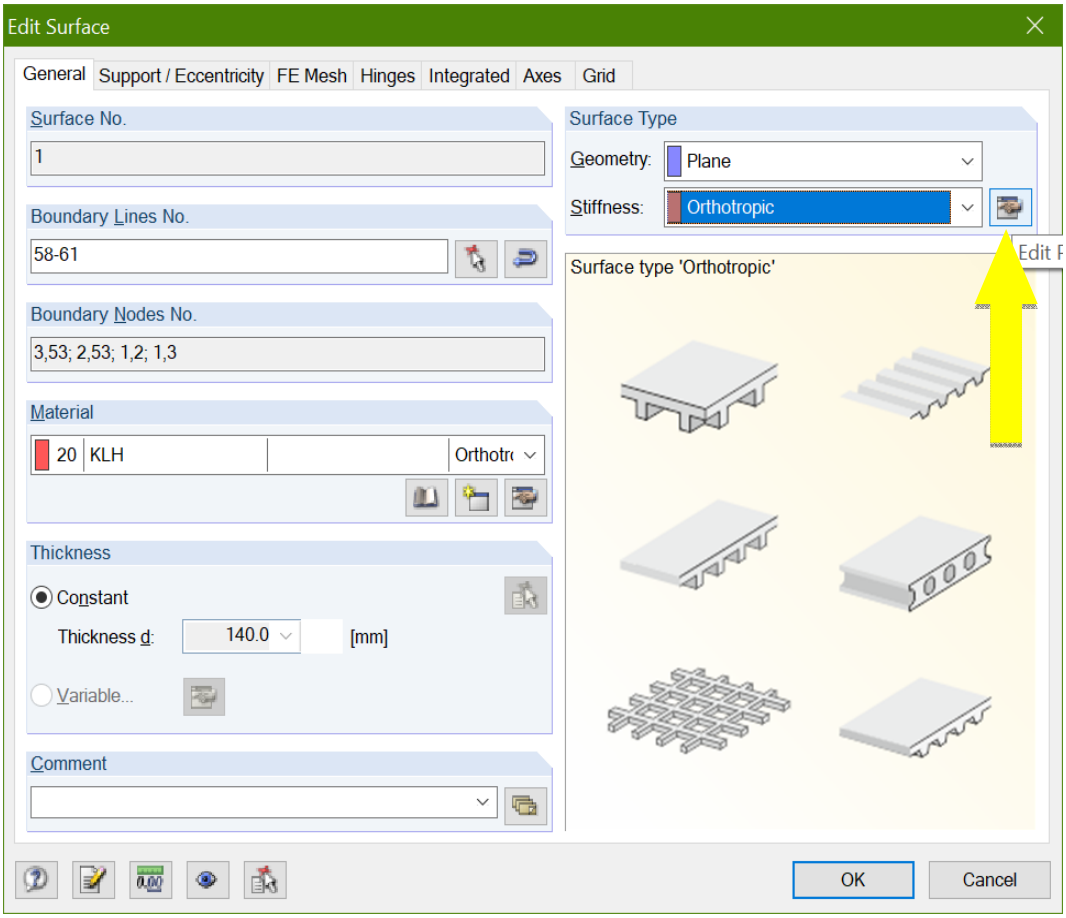
Import KLH stiffness properties into Dlubal RFEM

Step 1: Create a model in Dlubal RFEM – as you are used to. Create a surface (or edit an existing one) and go to "Edit Surface", choose Stiffness "Orthotropic" and click "Edit"



Note: When you provide the stiffness properties to a surface, it does not matter which material properties you give in the "Material" section.

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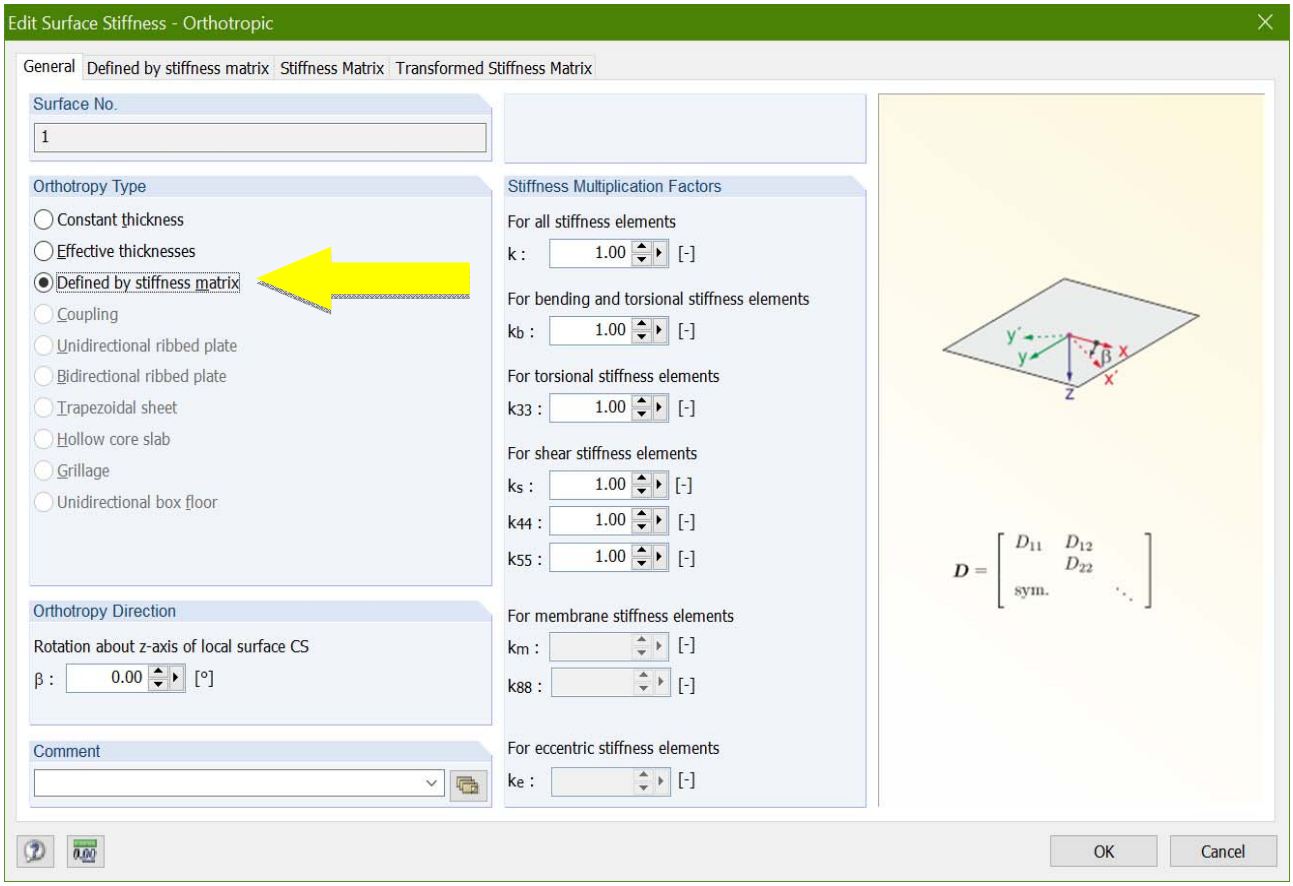
Step 2: Select Orthotropy Type: “Defined by stiffness matrix” in the “General” tab



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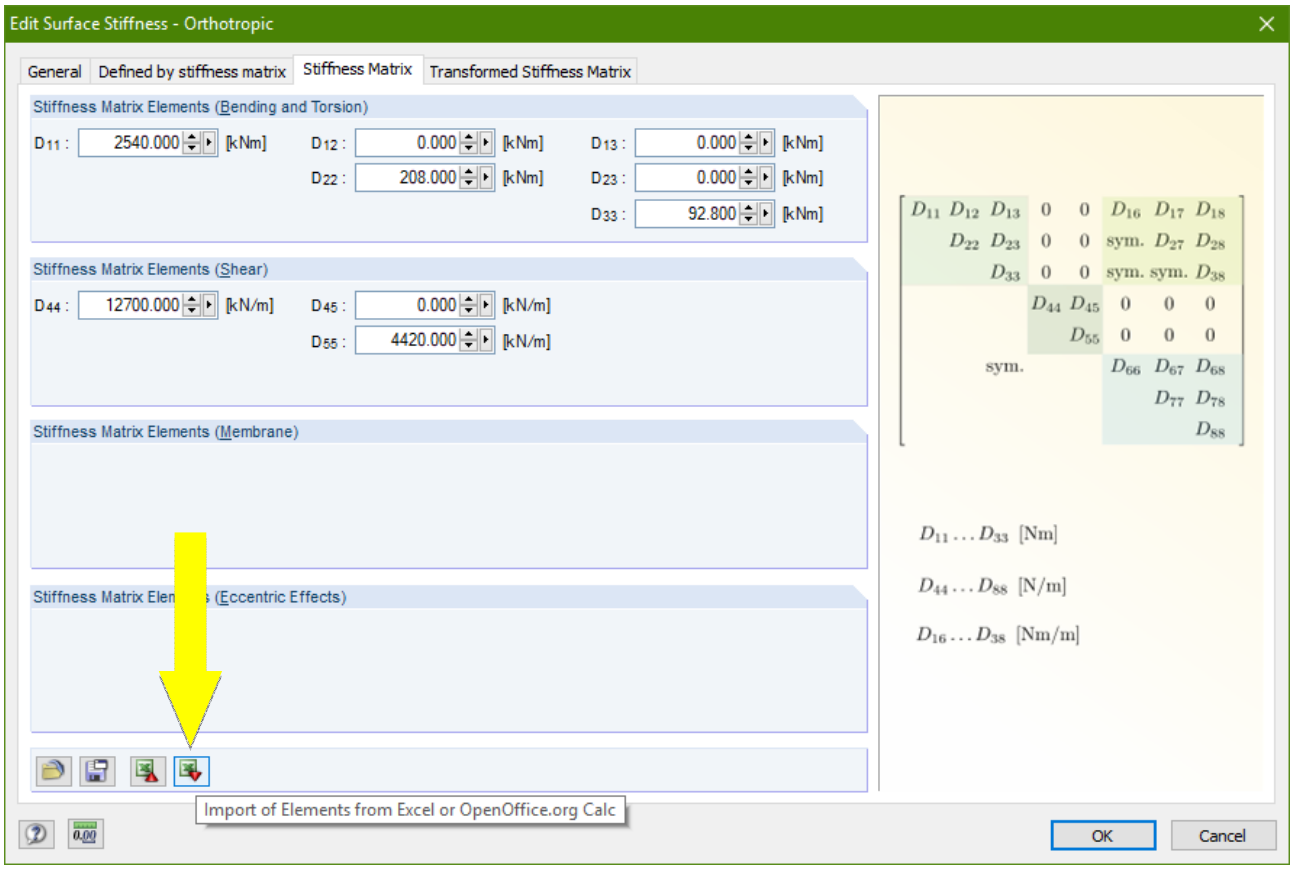
Step 3: Switch to the “Stiffness Matrix” tab and click “Import of Elements from Excel...”



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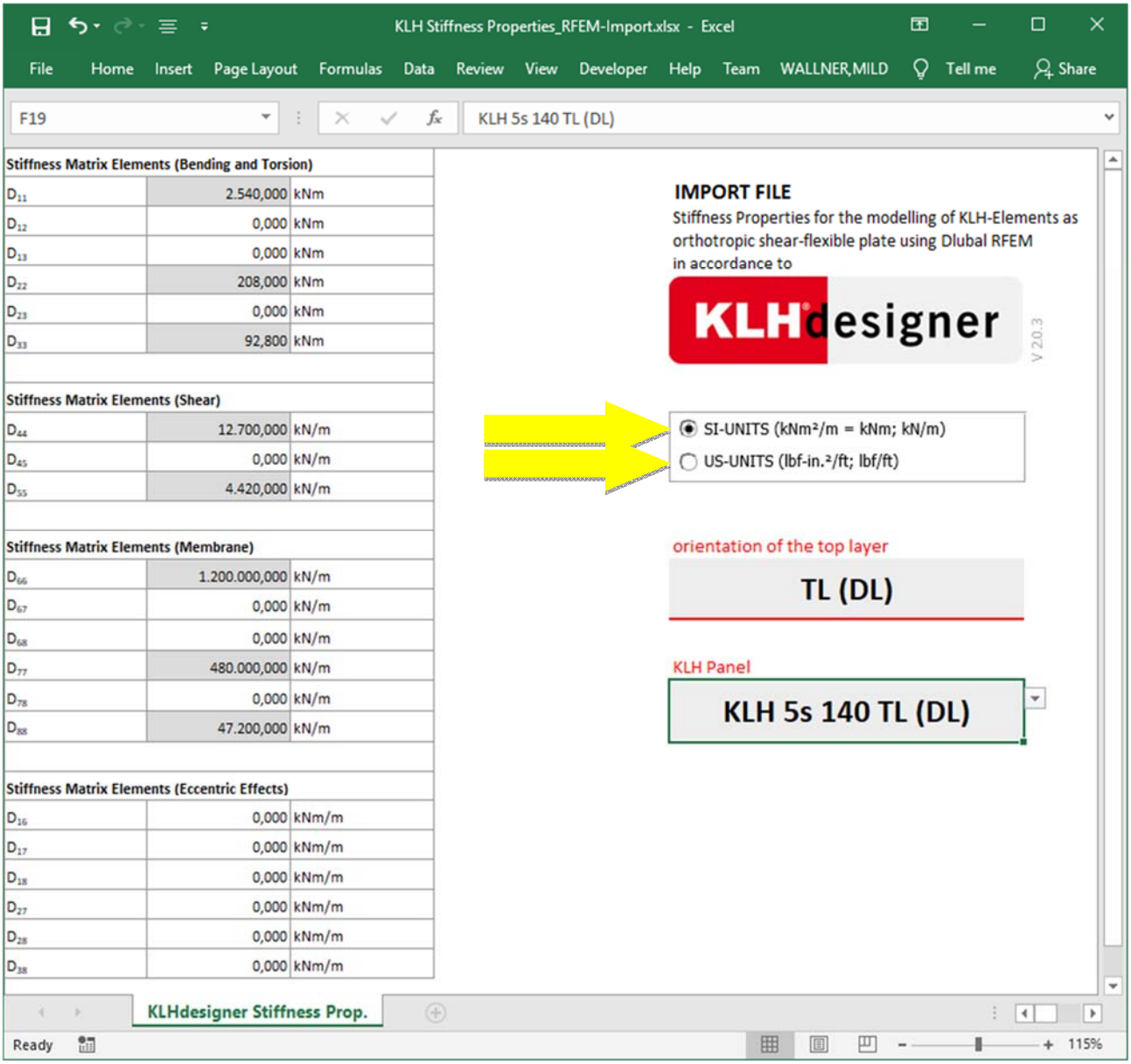
Step 4: Open Excel-File: KLH Stiffness Properties_RFEM-Import and choose the units (SI/US) you want to import the stiffness values.



Note: Make sure, that you are using the same units in RFEM as the vales are given in the Excel-File. You can change the units in RFEM by navigating to “Options” and “Units and Decimal Places” in the menu bar.

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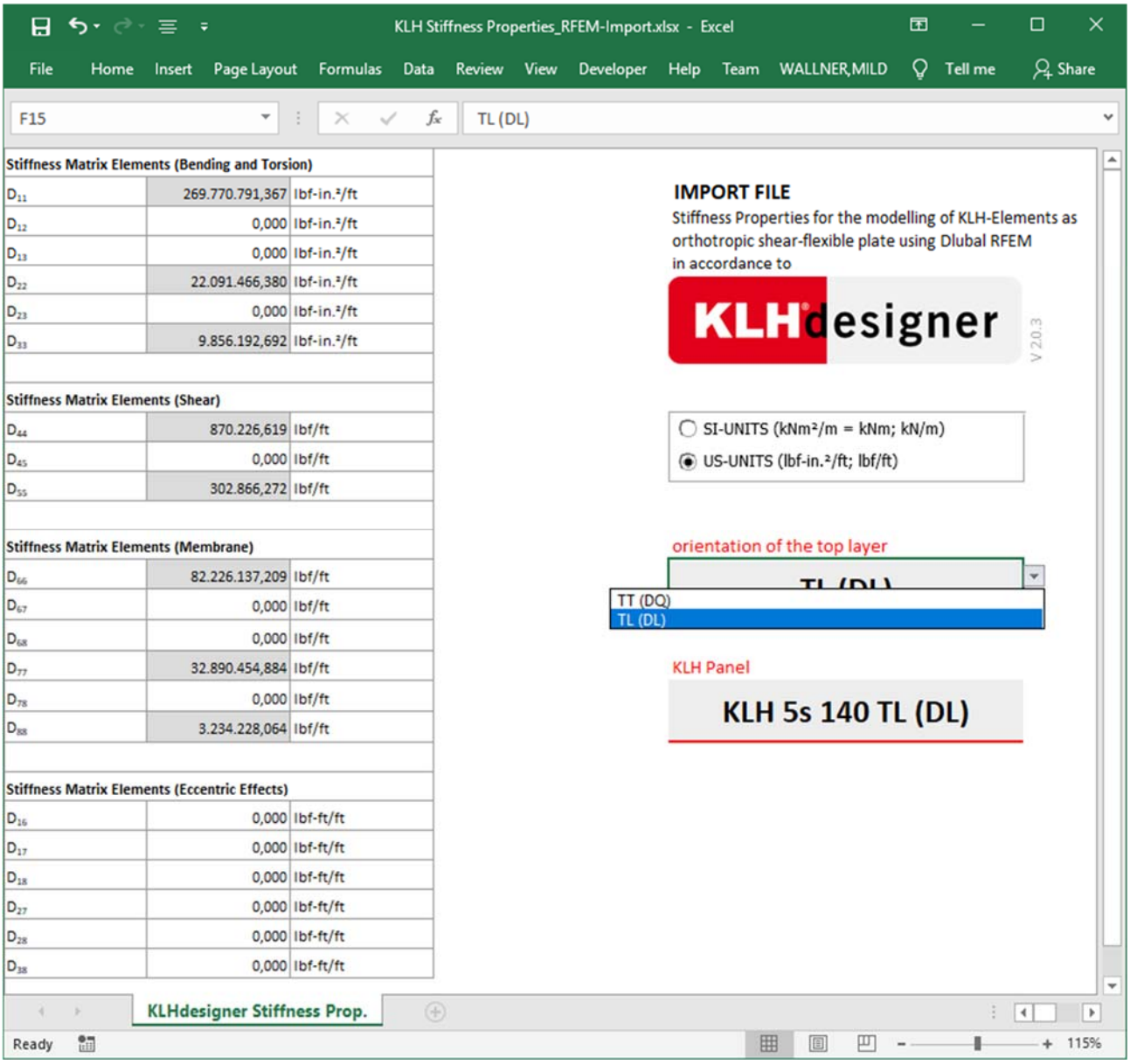
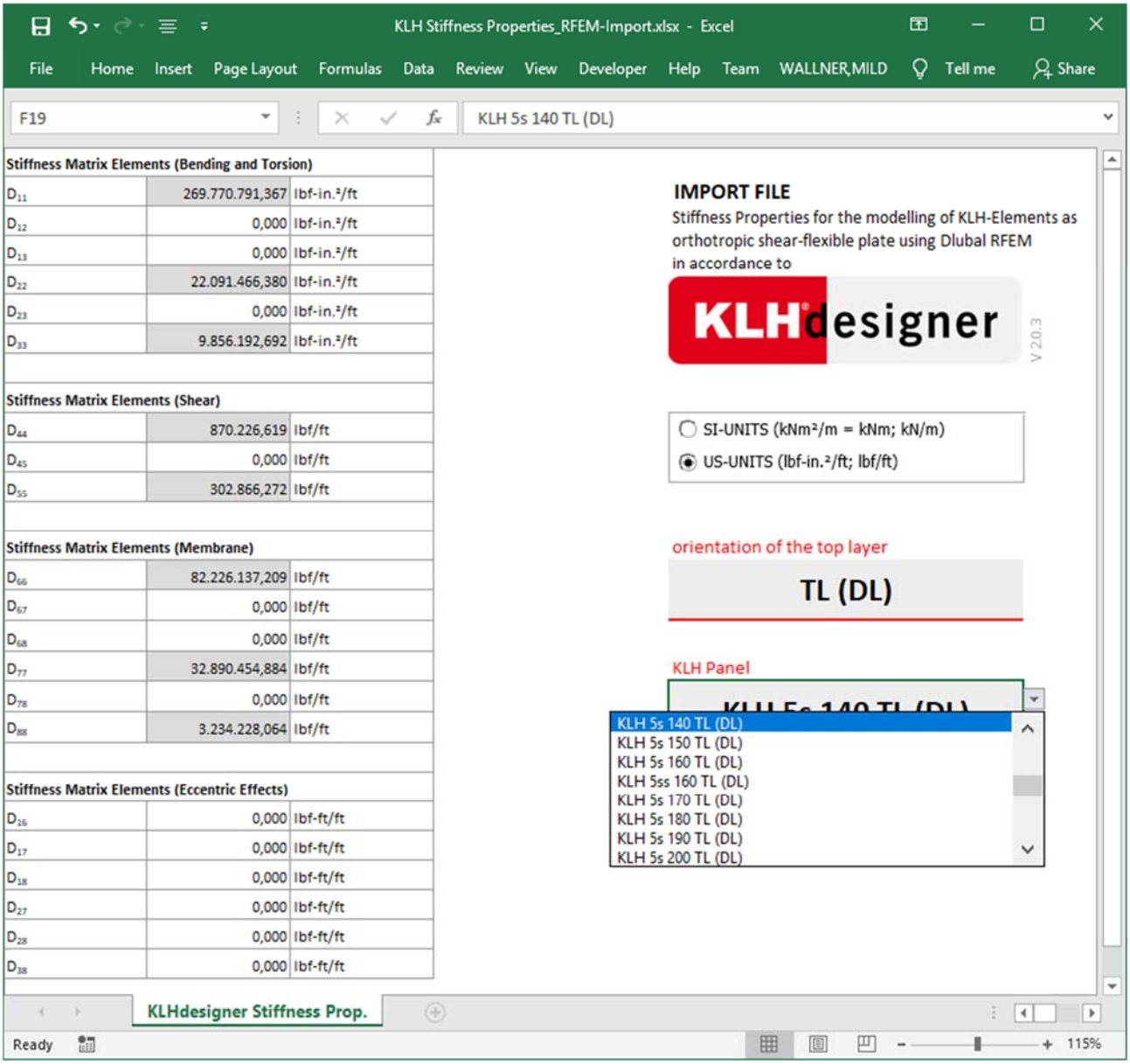
Step 5: Choose the KLH-panel you wish to import



Import KLH stiffness properties into Dlubal RFEM



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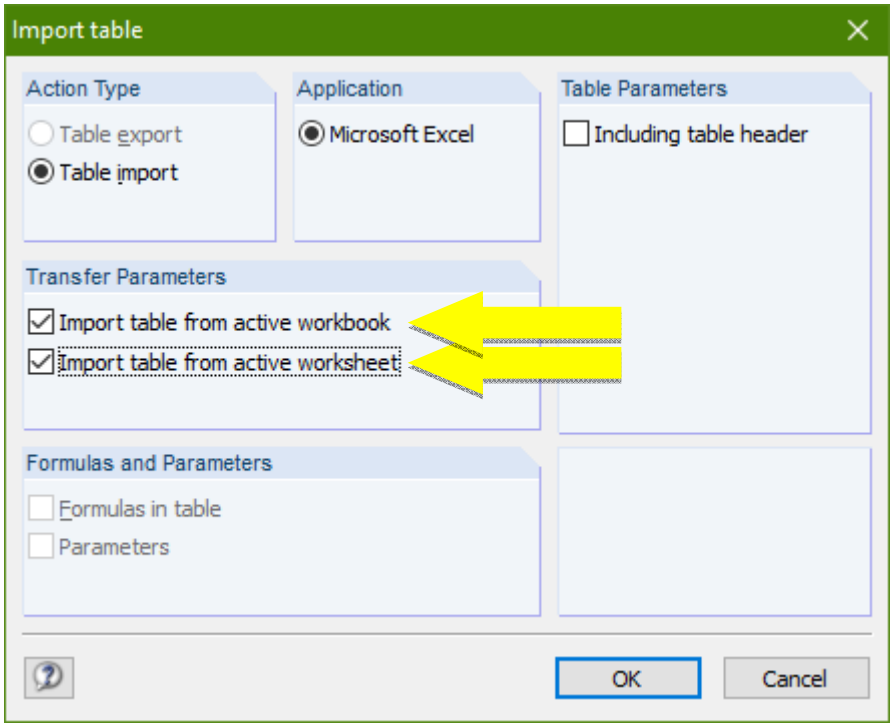
Step 6: Check the following “Transfer Parameters” in RFEM



Step 7: Import the KLH stiffness properties by confirming with a click on “OK”