

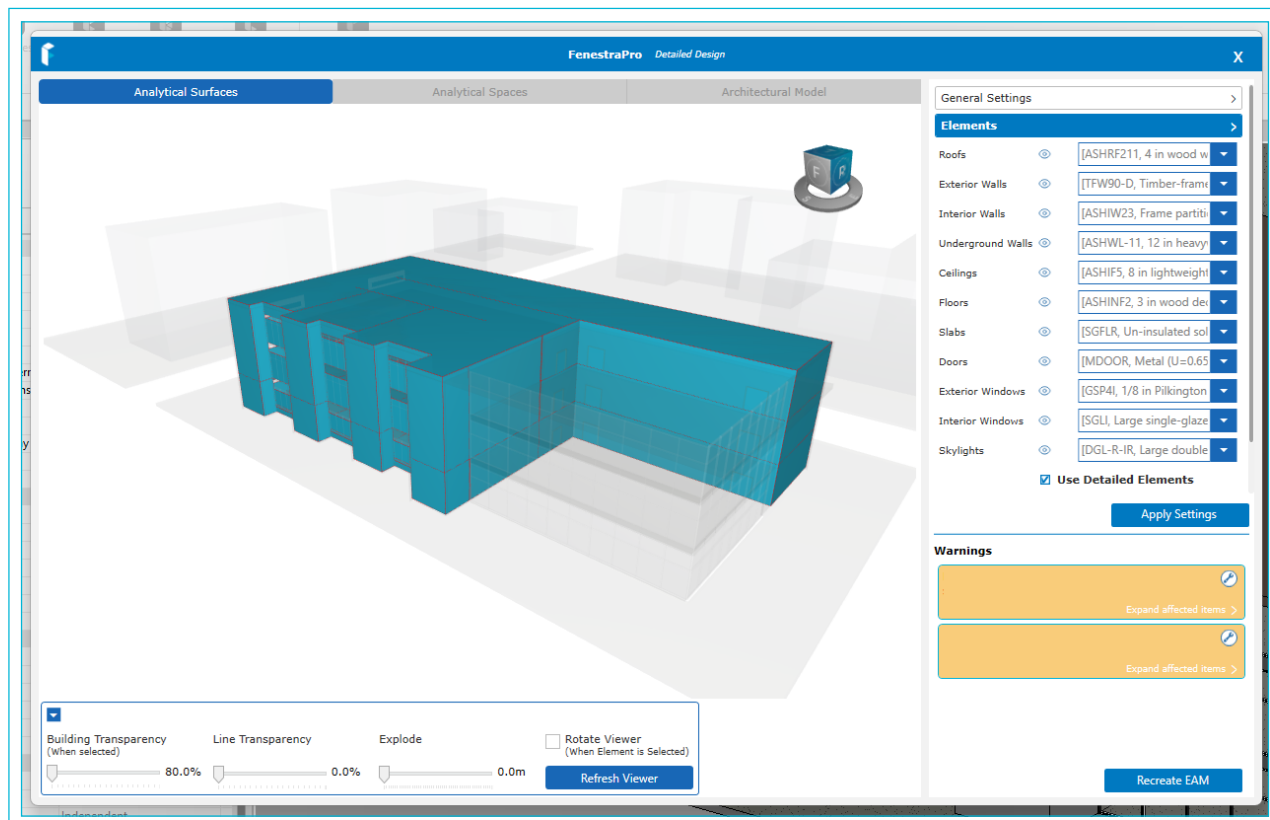


Instructions for exercises with FenestraPro for Revit



Instructions for exercises with FenestraPro for Revit (imperial)

1. Open the EAM Check tool (you may need to log into your FenestraPro Account first). Note the list of schematic types in Revit are listed here under the '**Elements**' dropdown section. Some parts of the model appear to be missing in the Viewer. Review the warnings. You may expand the details using the '**Expand affected elements**' and using the eye icon, these can be highlighted in the Viewer. Answer Question 1 in the form provided.

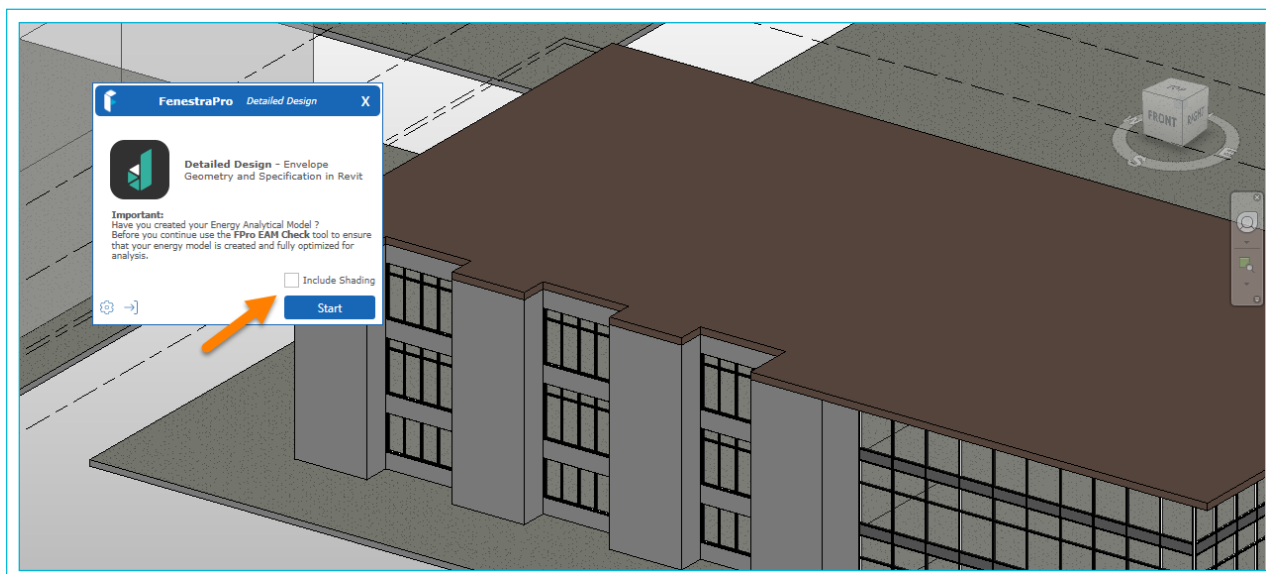




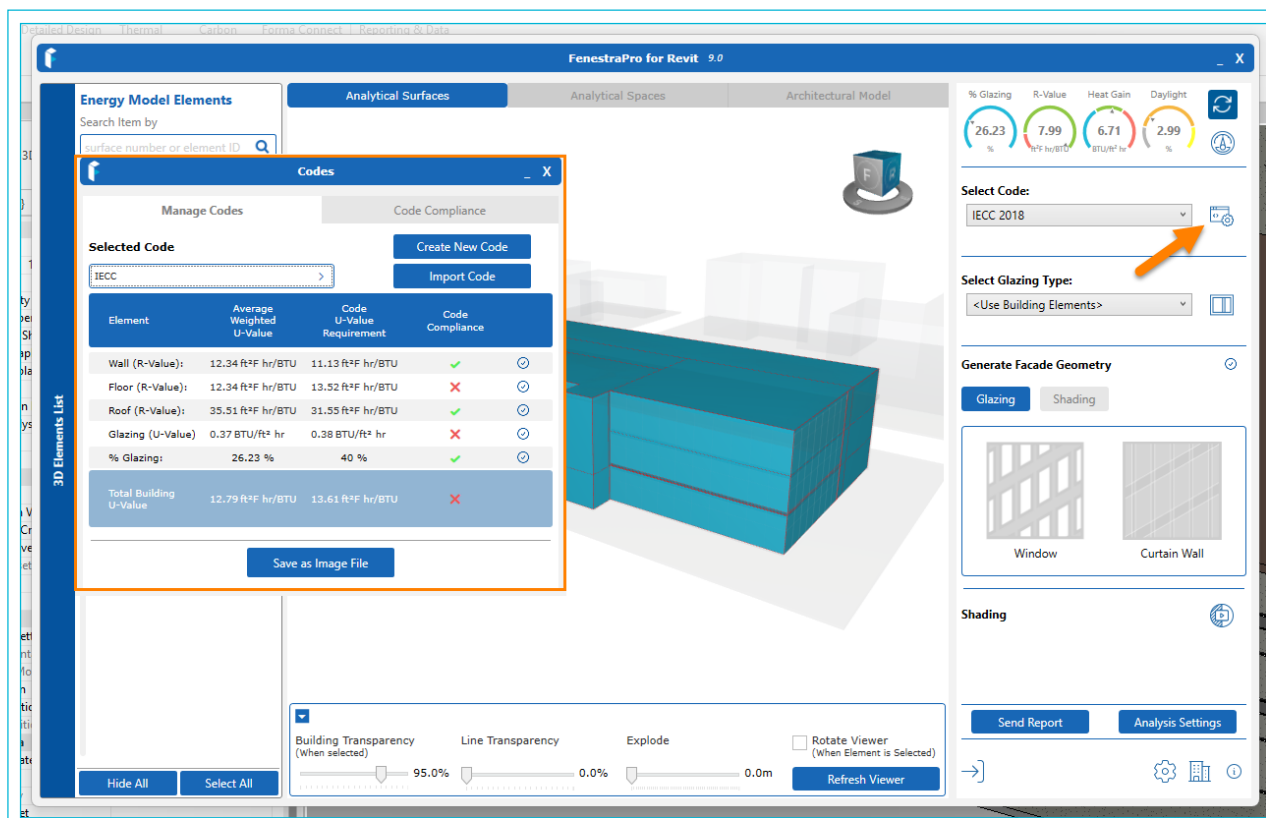
Instructions for exercises with FenestraPro for Revit (imperial)

2. Fix the warning in the **EAM Check** tool by using the wrench icon. Then Recreate the EAM (Energy Analytical model). The issue should now be resolved and you should see the entire model complete in the Viewer. You can close the **EAM Check** tool.

Open the **Detailed Design** tool in the **FenestraPro** menu. Start with the Shading option unchecked.



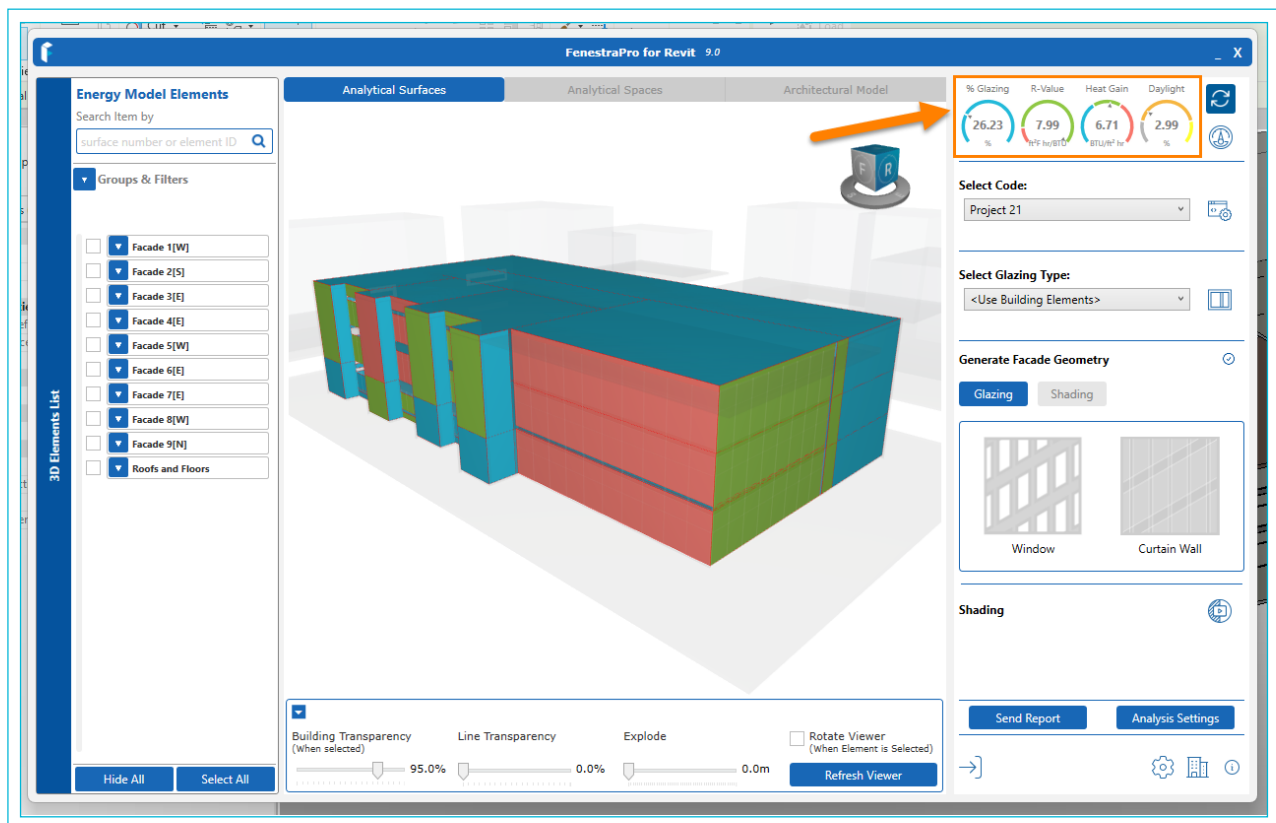
When the application has loaded, open the **Energy Codes** window as shown. Answer Question 2 in the form.





Instructions for exercises with FenestraPro for Revit (imperial)

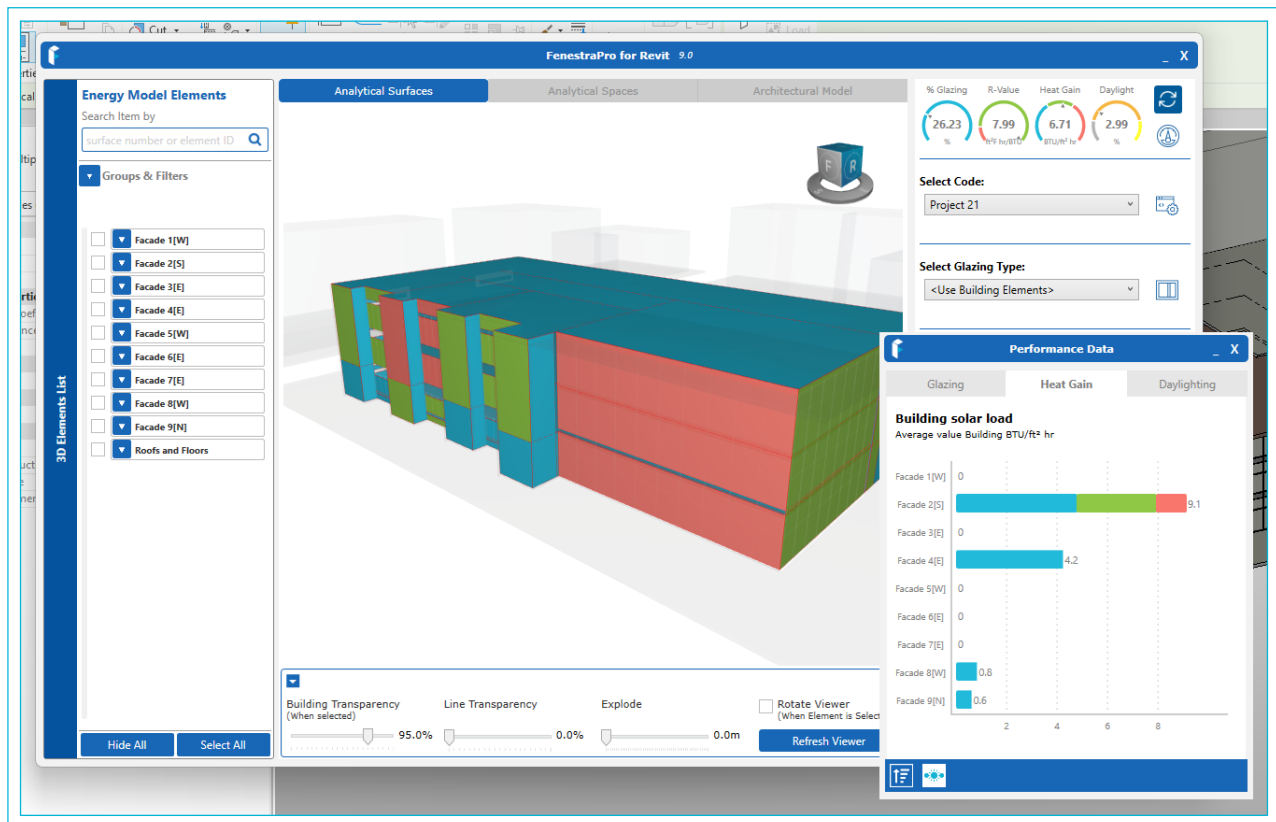
3. Review the results area on the Dashboard of the **Detailed Design** tool and answer Question 3.





Instructions for exercises with FenestraPro for Revit (imperial)

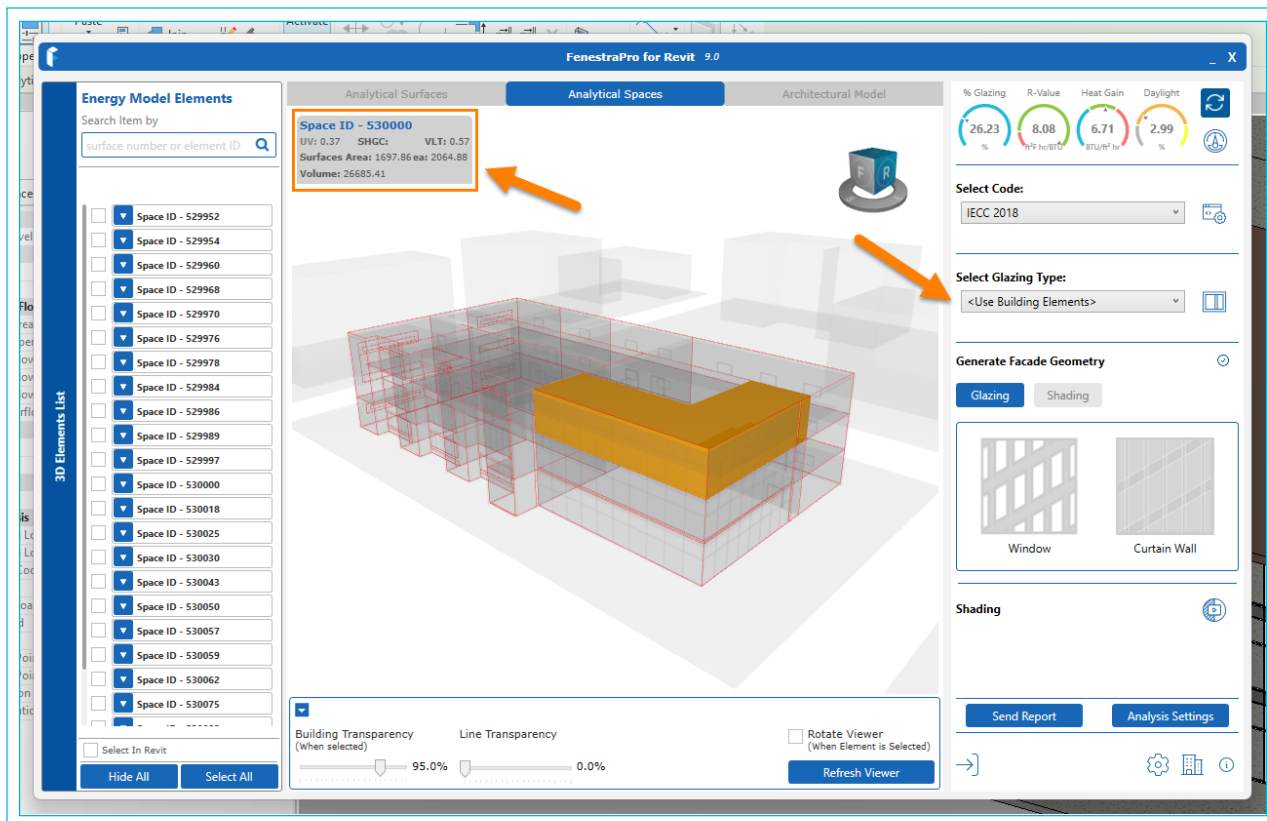
4. Open the Charts in the **Detailed Design** tool and click on the Heat Gain tab. Review the values for the Facades. Answer Question 4. You may select and highlight Facades by noting the name and clicking on the Facades list on the left-hand side. The relevant Facades or Surfaces will then highlight in the Viewer.





Instructions for exercises with FenestraPro for Revit (imperial)

5. Open the **Analytical Spaces** tab at the top of the Viewer. Analytical Spaces will then display in the Viewer. Select a space and hover over this in the Viewer. A properties panel will display in the top left corner of the Viewer with values for elements associated with that space. Open the Select Glazing Type dropdown and select the third entry in the list (1/8 in Pilkington single glazing). Hover over the selected space in the Viewer and answer Question 5.

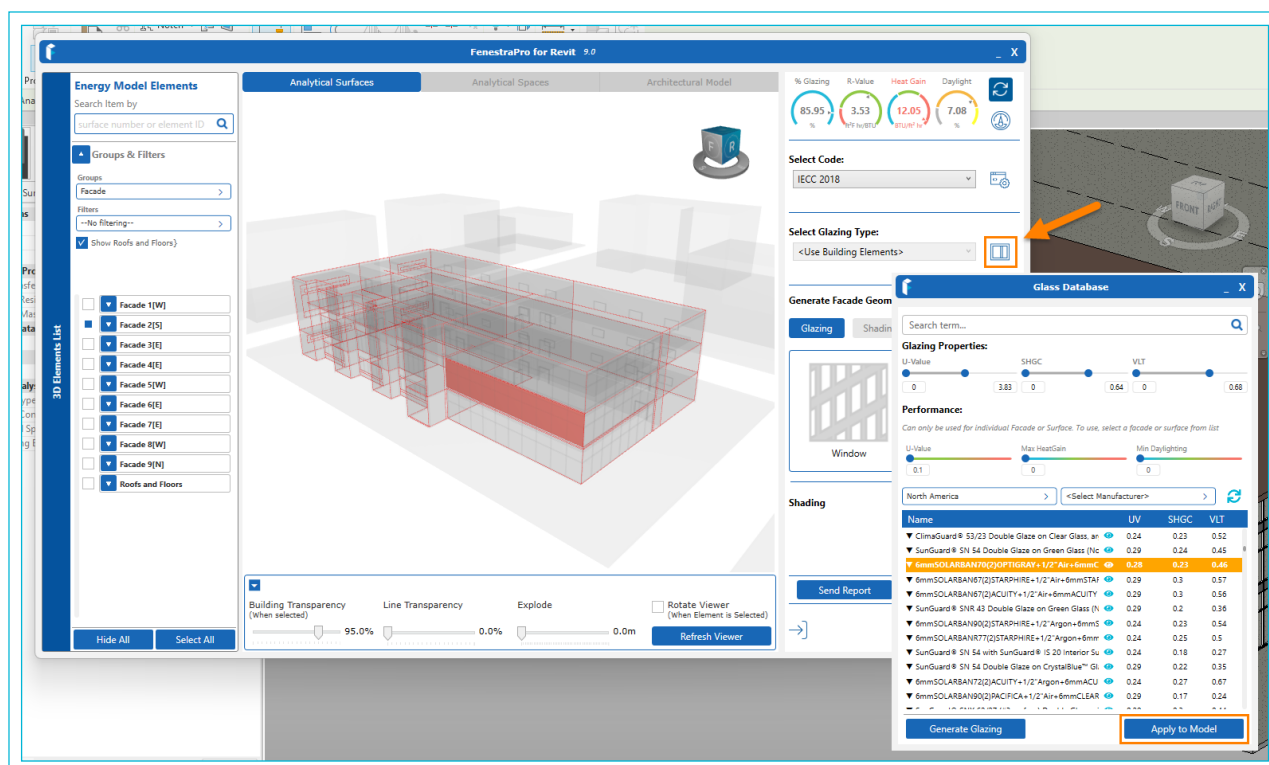




Instructions for exercises with FenestraPro for Revit (imperial)

- With the **Select Glazing Type** on 'Use Building Elements' again, the application will now use detailed properties in Revit if they are available. **Select** a space or Surface in the Viewer depending on which tab you have open (Analytical Surfaces or Analytical Spaces). Open the Glass Database. You may filter the list using the sliders at the top of this window (under 'Glazing Properties') or sort the list by clicking on the headings (UV, SHGC, VLT).

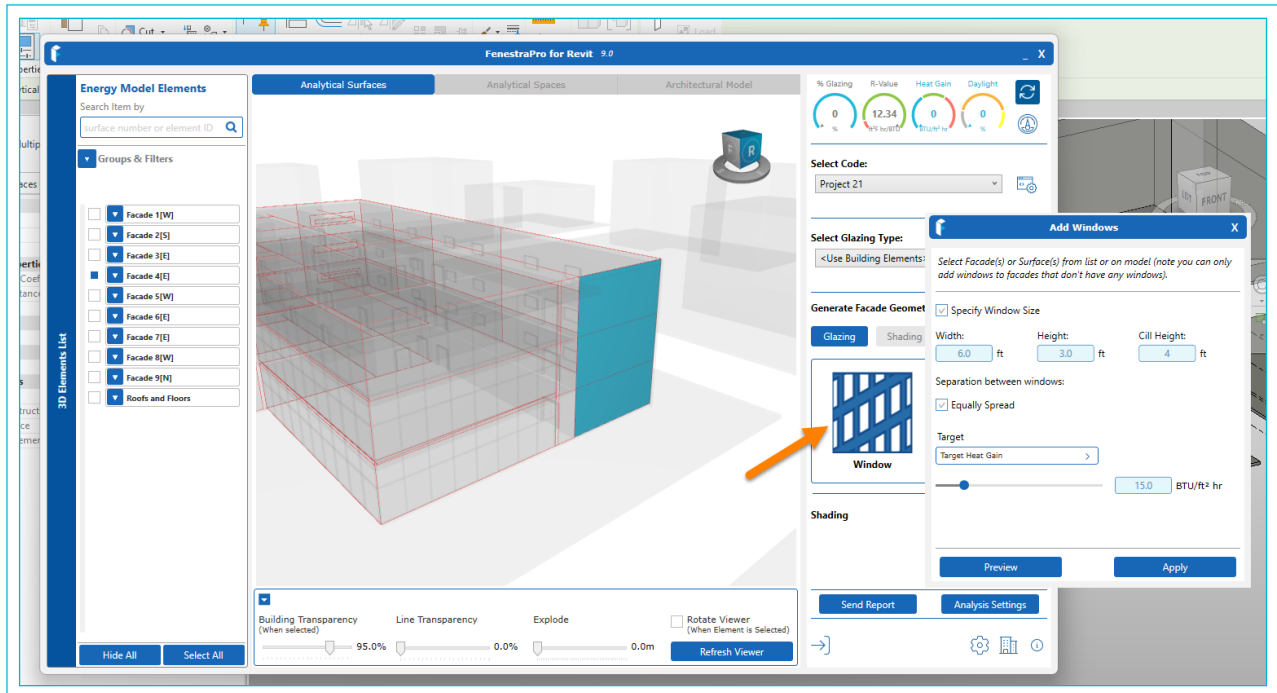
Select a glass type and click on the **Apply to Model** button. A message will appear with options. Answer Question 6.





Instructions for exercises with FenestraPro for Revit (imperial)

- Close the Glazing Database from the last question. Select the East Surfaces which have no glazing elements. Note the values in the results dials. Click on the **Add Window** feature and set the window dimensions to 6 feet wide, 3 feet high and 4 feet sill. Preview the new elements in the Viewer and then write these windows to the Revit model using the **Apply** button. Then use the Refresh button beside the results dials to update the results. Answer Question 7.





FenestraPro

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