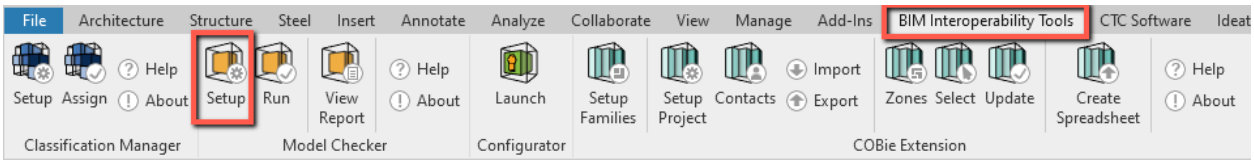
Install Revit Model Checker Tool

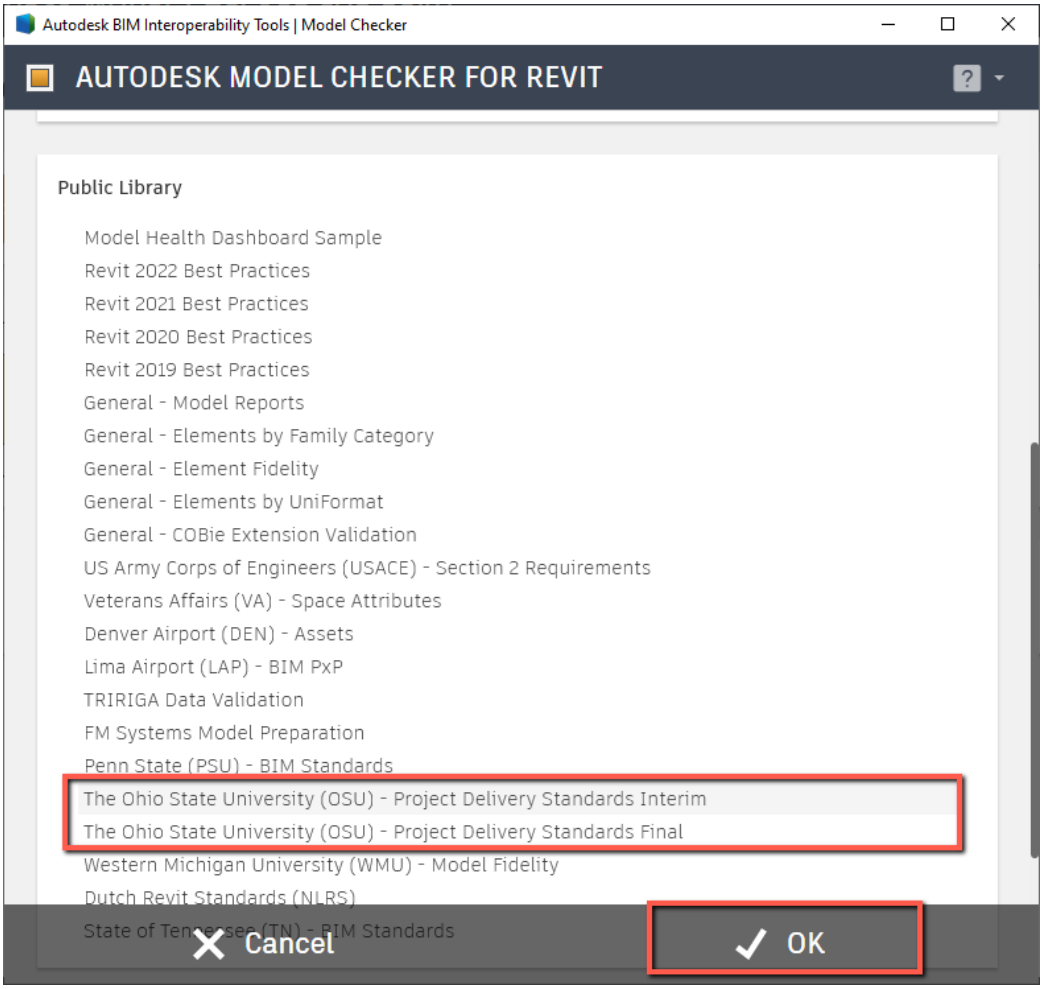
Open a detached copy of the model you want to check and save it. If you do not already have a tab in Revit for BIM Interoperability Tools, you can add it for your current version of Revit directly from the Autodesk Desktop App.

Open Configuration File

Go to BIM Interoperability Tools tab > Model Checker tile> Setup

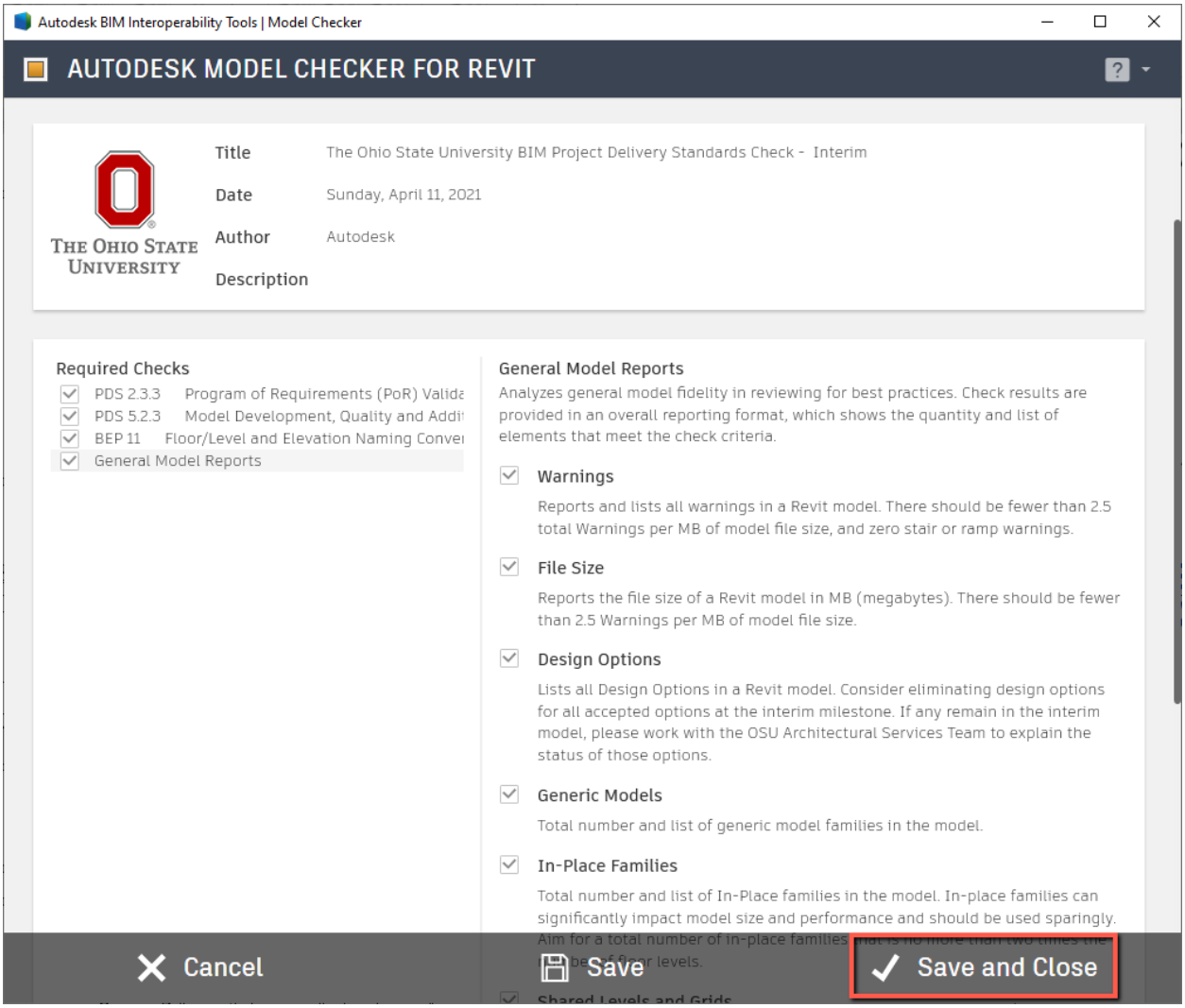


Scroll down in the pop-up window to the "Public Library" section and choose the appropriate file for the stage of the project, either "The Ohio State University BIM Project Delivery Standards Check_**Interim**" for DD or Interim CDIB submissions, or "The Ohio State University BIM Project Delivery Standards Check_**Final**" for the Final CDIB at project closeout. Then hit "OK."



Descrptions of Checks

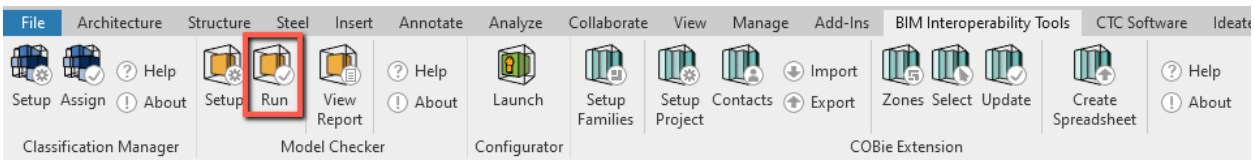
All checks are required. Selecting any rule group under the Required Checks category will give you a detailed description of what the Model Checker is checking in each group, as shown below.



Select “Save and Close”

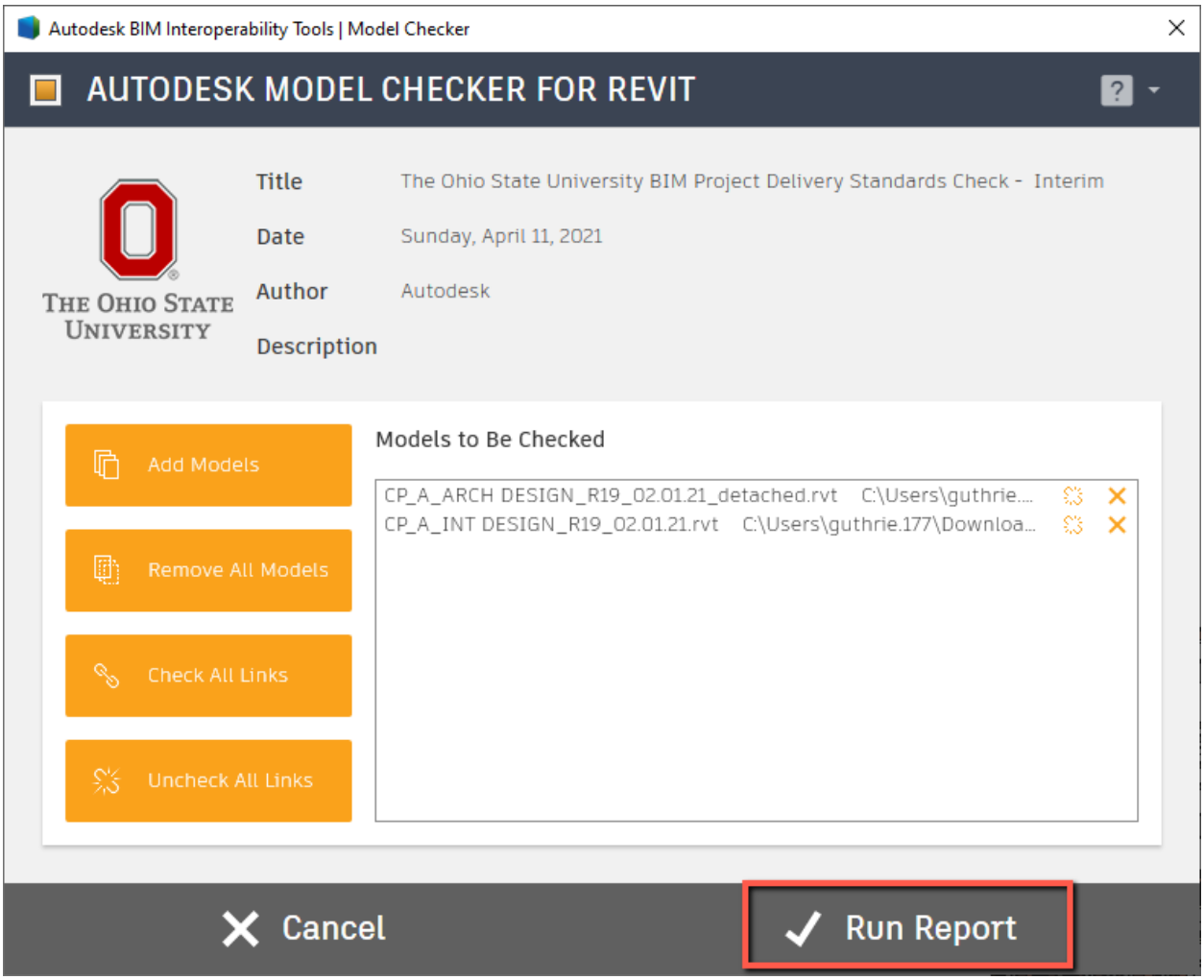
Run Model Checker

Go to BIM Interoperability Tools tab > Model Checker tile > Select “Run”



At this point, a dialog box will display giving you options as to which models you want to check. You will only need to check the architectural model(s). If there is only one, click Uncheck All Links. If there are multiple architectural models, such as a core and shell and a separate interior fitout model, click Uncheck All Links and then Add Models to add the remaining architectural models to the list. Each model will appear in its own tab in the HTML report.

Check your current model(s) > Select “Run Report”

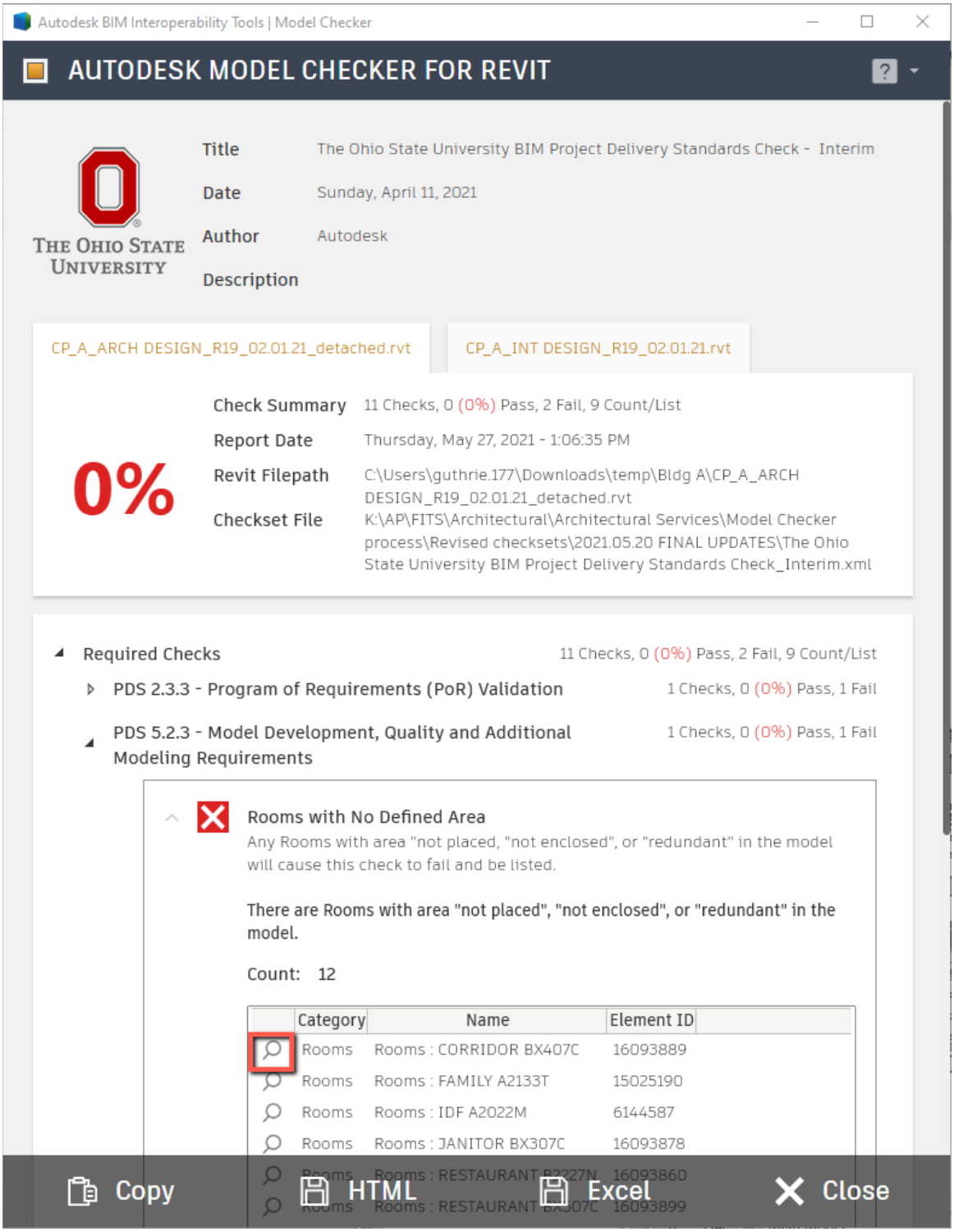


Review Report and Address Issues

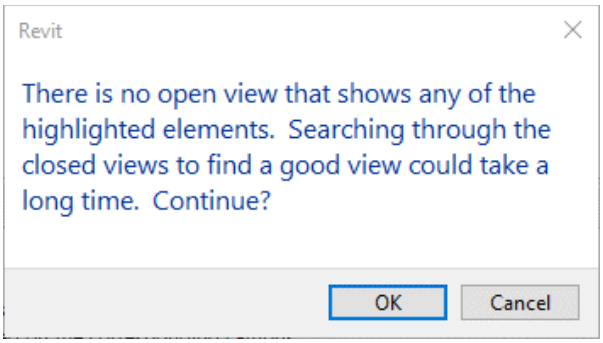
Some of the rules are not simple pass/fail checks, but report model information that is important to OSU’s standards. Read the description for more information.

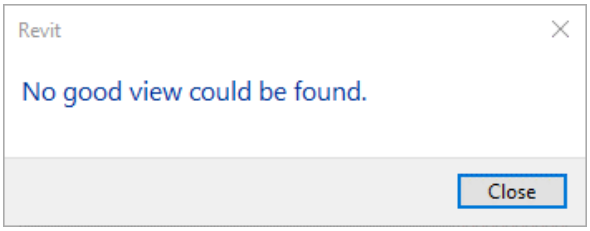
For some checks, the error report will show a Pass or Fail button next to the rule that was checked. It will also tell you the number of errors in each category. To expand the error, select the drop-down arrow to reveal errors or the expand all button, to locate and fix. (Shown Below)

Some errors will give you the option the select the “Magnifying Glass” button and the program may take you directly to the error, if it can find a good view.



In some cases, such as “not placed” rooms, no view will be found, and you can expect to see the errors shown below.



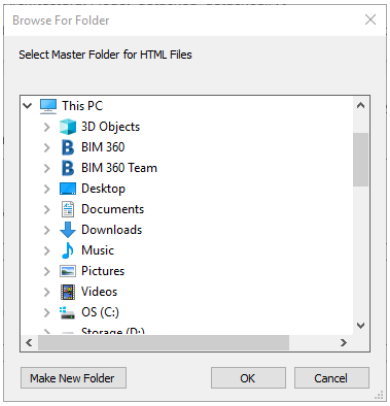


After fixing errors, re-run the check until the results all indicate “Pass.” For the more nuanced checks that are not pass/fail, read the description and make sure your model complies. This may require updates like renaming floor levels per OSU’s standard, addressing warnings, accepting design options, or replacing non-unique model-in-place families with loadable families.

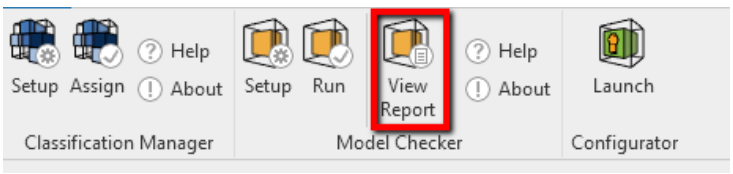
Save Results File

Select “HTML” at the bottom of the report box.

Select where you would like the report saved.



You can also select “View Report” on the Model Checker tile, on the BIM Interoperability Tools tab to view the latest report.



For further assistance visit the “Help” button, where you can gain access to the Online User Manual, links to YouTube videos, and Helpdesk Information