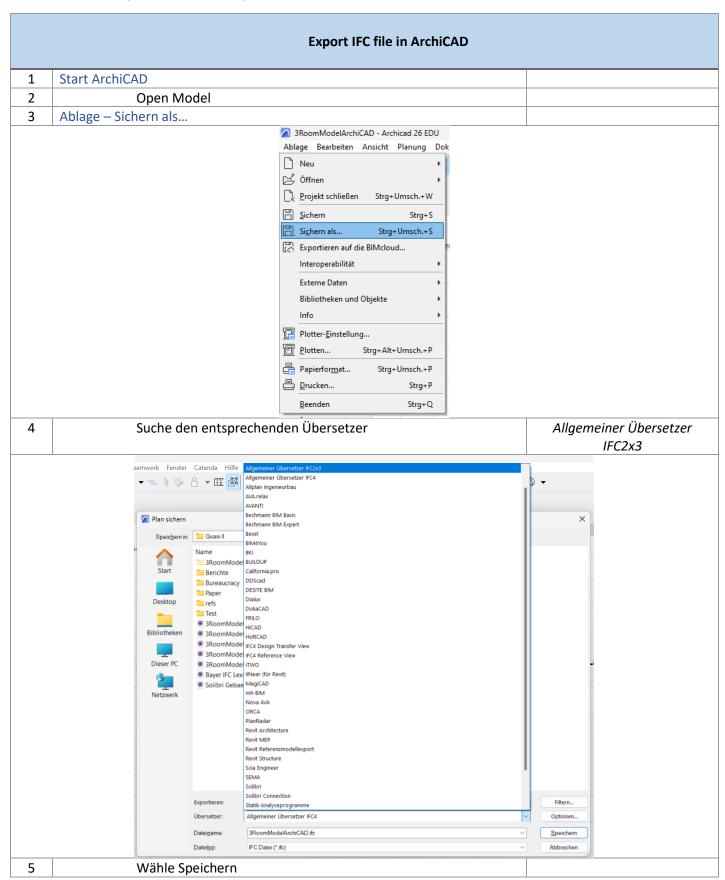
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## **Model checking with Solibri**

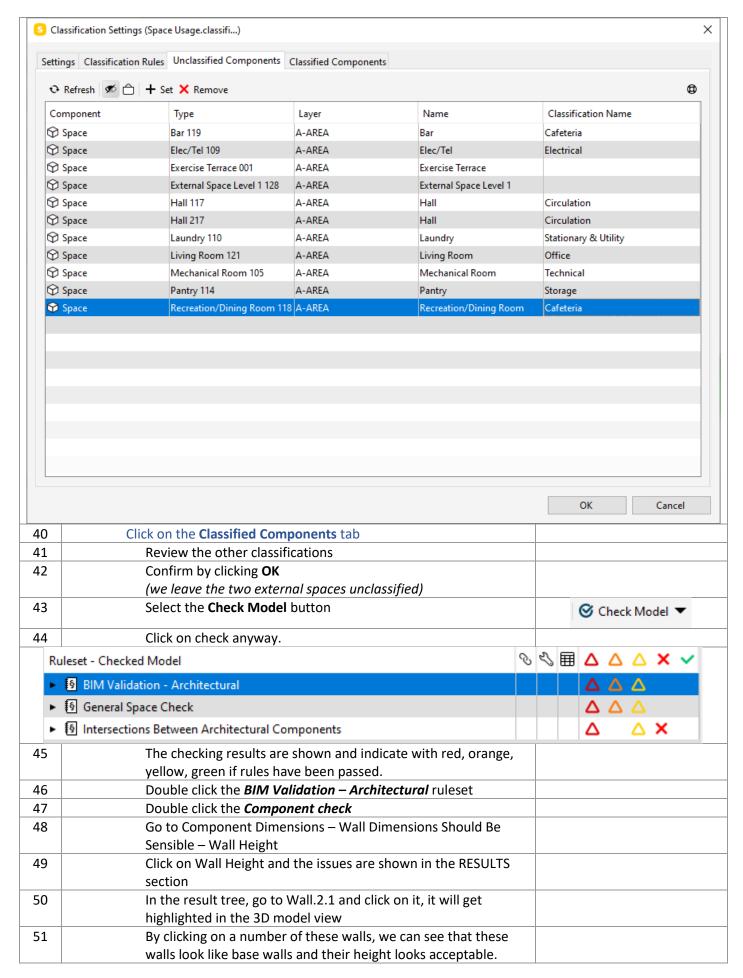
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	Lesson 1: Architectural model checking	
	Start Solibri	
7	Select <b>SOLIBRI OFFICE</b> on the welcome screen and press	
,	CONTINUE	
8	In the <b>FILE</b> Layout	
9	Click on <b>Roles</b>	
10	Click on the <b>Open</b> Button	
11	Select	Architectural Checking
12	Press the <b>Open</b> Button	
13	Click on <b>Open Model</b>	
14	Select the architectural IFC file named	Dormitory-ARC.ifc
15	Confirm the default discipline <b>Architectural</b> by pressing the <b>OK</b> button	
16	Go to the <b>CHECKING</b> Layout	
17	Click on Do 'Building Elements – General' classification	To-Do ✓ Show Complete   ☐ Classification Tasks  Do 'Building Elements - General' classification  Do 'Space Usage' classification
18	Click on Open Classification Settings	
19	On the <b>Unclassified Components</b> tab	
20	Several unclassified components will appear	
21	Assign the Flow Terminals the following Classification Name	"Plumbing Fixtures"
22	Assign the Light Fixtures the following Classification Name	"Lighting"
23	Click on the Classified Components tab	
24	Review the other classifications	
25	Click on the <b>Unclassified Components</b> tab	
26	This list should now be all empty, all components are classified.	
27	Confirm by clicking <b>OK</b>	
28	Click on Do 'Space Usage' classification	To-Do   ✓ Show Complete   ☑ Classification Tasks  Do 'Space Usage' classification
29	Click on Open Classification Settings	
30	Quite a number of spaces are not classified into Space Usage types yet, including several bathrooms	
31	Click on the <b>Classification Rules</b> tab	
32	Click on <b>add a new row</b>	E. T
33	A new row will be added at the bottom of the table, so scroll down and make the following adjustments	
34	Set the Type cell value to	*
35	Set the Name cell value to	Bath
36	Set the Classification Name cell value to	Bathroom
37	Click on the Unclassified Components tab	
38	All the bathrooms will disappear from the unclassified list	
39	Now we manually assign the other unclassified spaces as follows:	



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52	Dight aliak on the ten neds in the DECLILE coation and Mark as	
52	Right click on the top node in the RESULT section and <b>Mark as</b>	
	Accepted	
53	Click on the Wall Length rule	
54	Click on Wall.0.49 and Wall.0.50	
55	In both cases the wall length is very small, and it looks like a	
	modelling error	
56	Right click the Wrong value of Property – Length: 125 mm node	
	in the tree and select <b>Add slide</b>	
57	A popup window shows up and summarized the issue	
58	Make changes as you see fit and close the window	
59	Click on the <b>COMMUNICATION</b> Layout	
60	Click on <b>New Presentation</b>	
61	Select From Checking Results checkbox and press OK	
62	The issue we just created was automatically added to this	
	presentation	
63	Go to the <b>CHECKING</b> Layout	
64	There is another wall length issue	
65	This one appears to be a false negative and we make it as	
	resolved	
66	Go through more of the results and add two issues of the three	
	rule sets to your presentation (6 in total)	
	- BIM Validation – Architectural	
	- General Space Check	
	- Intersections between Architectural Components	
67	Go to the FILE Layout	
68	When you are done go to the file Layout and save the file as	
	smc file. This file will include your issue presentation.	
69	Close the model	

Lesson 2: Coordination check				
		1		
70	Start Solibri			
71	Select <b>SOLIBRI OFFICE</b> on the welcome screen and press <b>CONTINUE</b>			
72	In the <b>FILE</b> Layout			
73	Click on <b>Roles</b>			
74	Click on the <b>Open</b> Button			
75	Select	BIM Coordination		
76	Press the <b>Open</b> Button			
77	In the Rulesets list unselect all but <b>MEP models and</b>			
	Architectural model Rulesets			
	Rulesets\MEP Rules\			
	Structural versus Architectural.cset RuleSets\Structural Rules\	*		
	BIM Validation - Architectural.cset Rulesets\Architectural Rules\	*		
	Intersections Between Architectural Components.cset Rulesets\Architectural Rules\	*		
	MEP models and Structural model.cset Rulesets\MEP Rules\	*		
	BIM Validation-Structural.cset  Rulesets\Structural Rules\	*		
	Intersections Between Structural Components.cset Rulesets\Structural Rules\	*		
78	Click on <b>Open Model</b>			
79	Select the architectural IFC file named	Dormitory-ARC.ifc		
80	Confirm the default discipline <b>Architectural</b> by pressing the <b>OK</b> button			
81	Click on the <b>FILE</b> Layout			
82	Click on ADD Model	_		
83	Select the mechanical IFC file named	Dormitory-HVAC.ifc		
84	Change the default discipline to <b>HVAC</b> and pressing the <b>OK</b> button			
85	Click on the <b>CHECKING</b> Layout			
86	Click on Check Model and Check Anyway			
87	Great, 0 (zero) errors, but wait a sec			
88	Click on the MODEL Layout  Select the HVAC model in the tree			
90	Right click and select <b>Move or Rotate Model</b>			
91	Set delta Z to	-100 m		
92	Click on OK	200 111		
93	Click on the CHECKING Layout			
94	Click on Check Model and Check Anyway			
95	Now review those errors and generate a presentation with 3 issues that you found			
96	Close the model			
	close the model	<u> </u>		