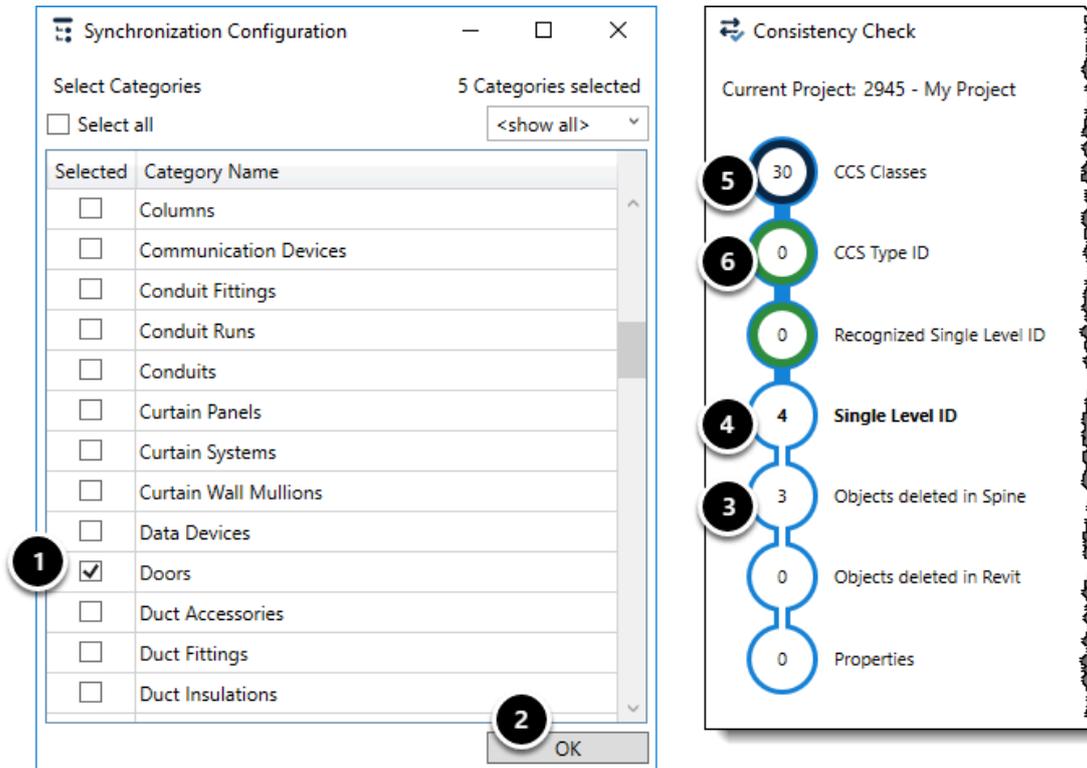


Consistency Check

Check the consistency between [Revit files](#) and [spine Projects](#). Check for missing or inconsistency data.

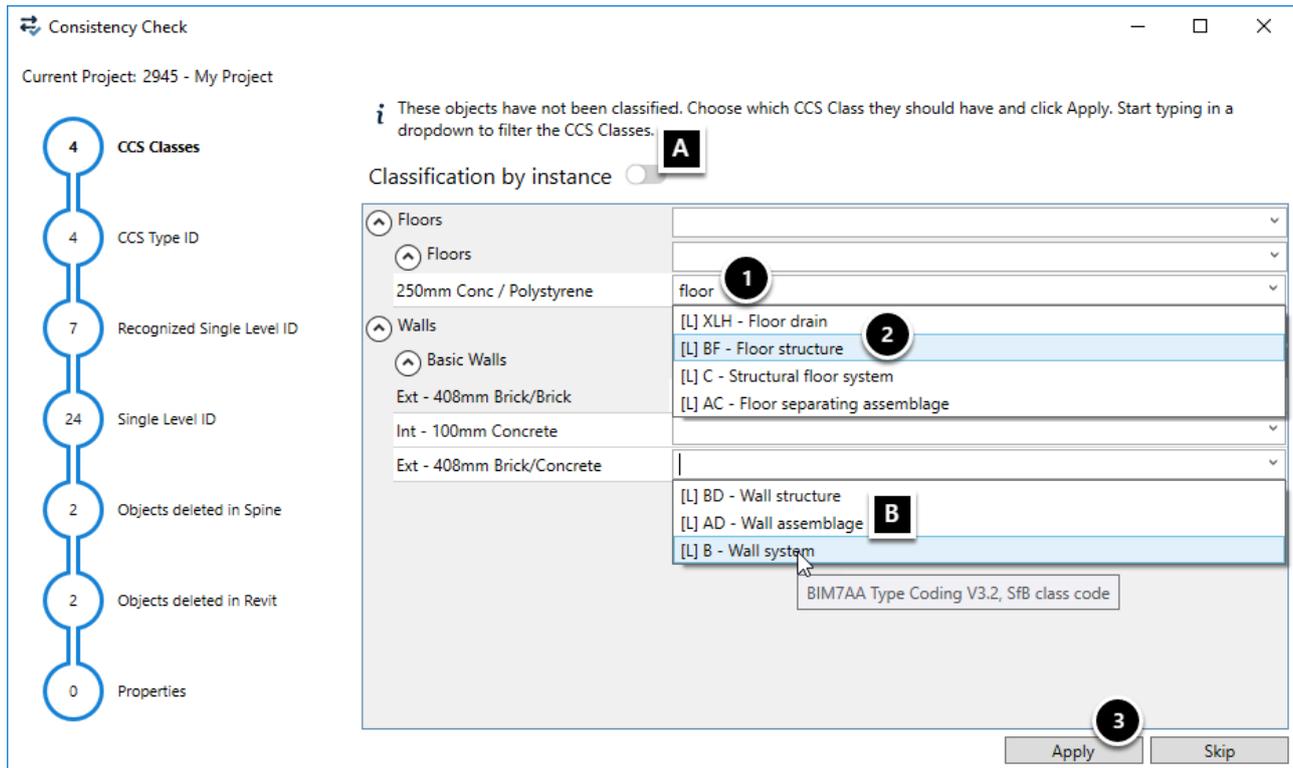
[Consistency Check Tutorial \(Video English\)](#)

1. Synchronization Configuration and process line



1. Select [Revit categories](#) to be checked
2. Click OK
3. Number of issues
4. Bold text indicate the current step
5. The blue color indicate that there is still issues to be considered
6. The green color indicate that all issues has been handled

2. CCS Classes



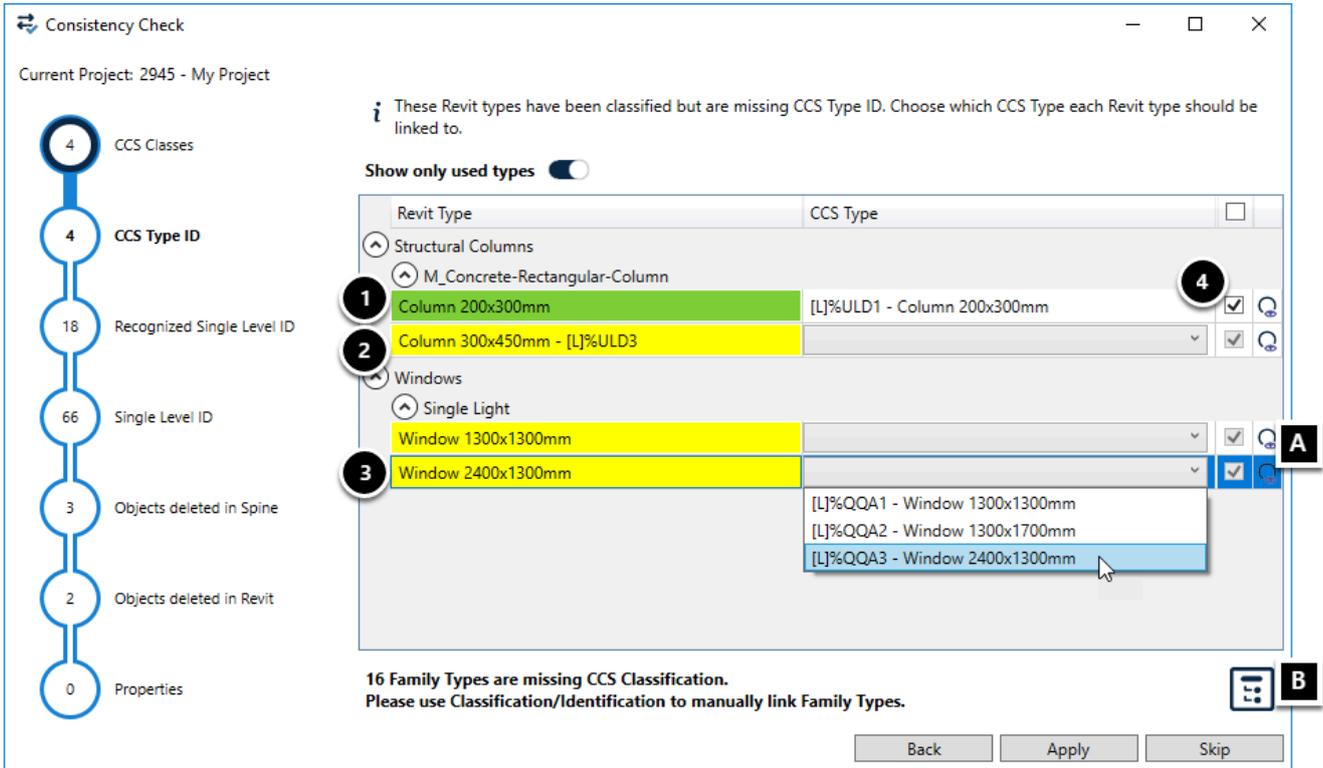
Objects without a [CCS Class](#)

1. Type in a synonym for the class
2. Select a class
3. Click Apply

A: Toggle 'Classification by instance' to add classes as instance [parameters](#)

B: If an object have a class from [another standard](#), the dropdown display suggested CCS classes

3. CCS Type ID



Consistency Check

Current Project: 2945 - My Project

These Revit types have been classified but are missing CCS Type ID. Choose which CCS Type each Revit type should be linked to.

Show only used types

Revit Type	CCS Type	
Structural Columns		
M_Concrete-Rectangular-Column		
Column 200x300mm	[L]%ULD1 - Column 200x300mm	<input checked="" type="checkbox"/>
Column 300x450mm - [L]%ULD3	[L]%ULD3	<input checked="" type="checkbox"/>
Windows		
Single Light		
Window 1300x1300mm	[L]%QQA1 - Window 1300x1300mm	<input checked="" type="checkbox"/>
Window 2400x1300mm	[L]%QQA2 - Window 1300x1700mm	<input checked="" type="checkbox"/>
	[L]%QQA3 - Window 2400x1300mm	<input checked="" type="checkbox"/>

16 Family Types are missing CCS Classification.
Please use Classification/Identification to manually link Family Types.

Back Apply Skip

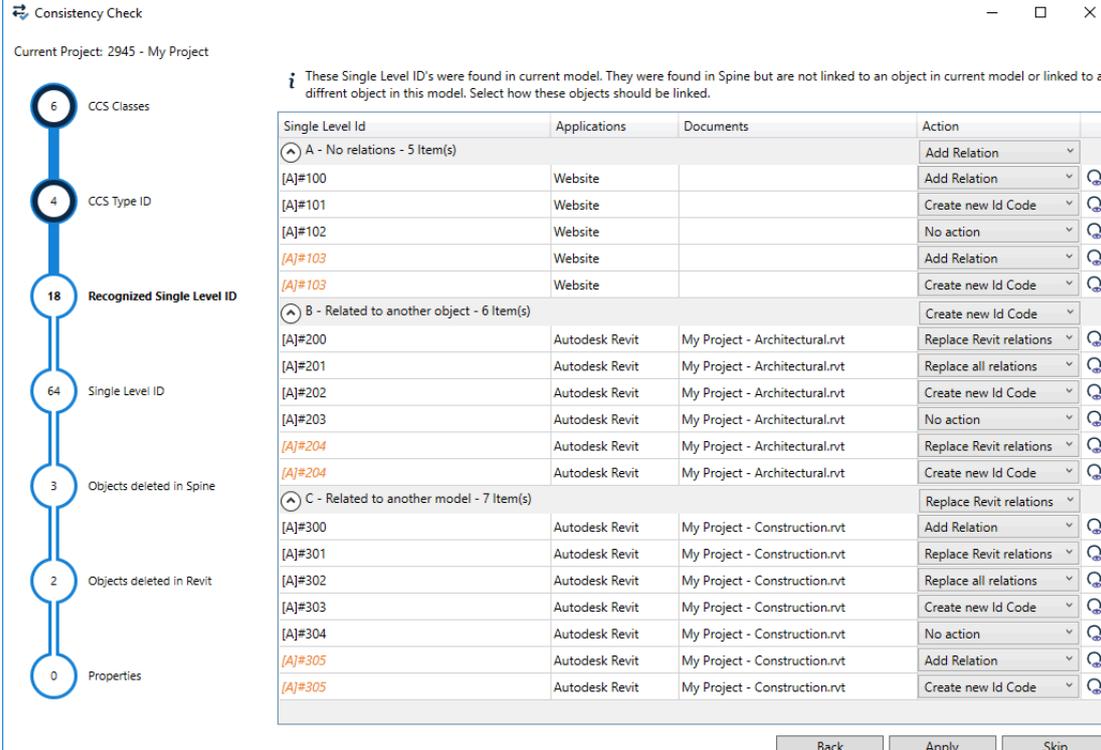
Objects with a [CCS Class](#), but without a [CCS Type](#)

1. The [Revit Type](#) is linked to a CCS Type in another file, and that type is suggested
2. The Revit Type has been linked to the CCS Type [L]%ULD3, which no longer exist in the [Spine Project](#). Select a new CCS Type
3. The drop-down display CCS Types within the CCS Class
4. Tick types to be linked

A: See Revit Type in the model

B: Go to [classification](#)

4. Recognized Single Level ID



Current Project: 2945 - My Project

These Single Level ID's were found in current model. They were found in Spine but are not linked to an object in current model or linked to a different object in this model. Select how these objects should be linked.

Single Level Id	Applications	Documents	Action
A - No relations - 5 Item(s)			
[A]#100	Website		Add Relation
[A]#101	Website		Create new Id Code
[A]#102	Website		No action
<i>[A]#103</i>	Website		Add Relation
<i>[A]#103</i>	Website		Create new Id Code
B - Related to another object - 6 Item(s)			
[A]#200	Autodesk Revit	My Project - Architectural.rvt	Replace Revit relations
[A]#201	Autodesk Revit	My Project - Architectural.rvt	Replace all relations
[A]#202	Autodesk Revit	My Project - Architectural.rvt	Create new Id Code
[A]#203	Autodesk Revit	My Project - Architectural.rvt	No action
<i>[A]#204</i>	Autodesk Revit	My Project - Architectural.rvt	Replace Revit relations
<i>[A]#204</i>	Autodesk Revit	My Project - Architectural.rvt	Create new Id Code
C - Related to another model - 7 Item(s)			
[A]#300	Autodesk Revit	My Project - Construction.rvt	Add Relation
[A]#301	Autodesk Revit	My Project - Construction.rvt	Replace Revit relations
[A]#302	Autodesk Revit	My Project - Construction.rvt	Replace all relations
[A]#303	Autodesk Revit	My Project - Construction.rvt	Create new Id Code
[A]#304	Autodesk Revit	My Project - Construction.rvt	No action
<i>[A]#305</i>	Autodesk Revit	My Project - Construction.rvt	Add Relation
<i>[A]#305</i>	Autodesk Revit	My Project - Construction.rvt	Create new Id Code

Buttons: Back, Apply, Skip

[Single Level ID's](#) in the current model with a mismatch in relations.

If an ID appears multiple times in a [document](#), it is displayed in *cursive and orange* and the relation can only be added to one of the objects.

A - No relations

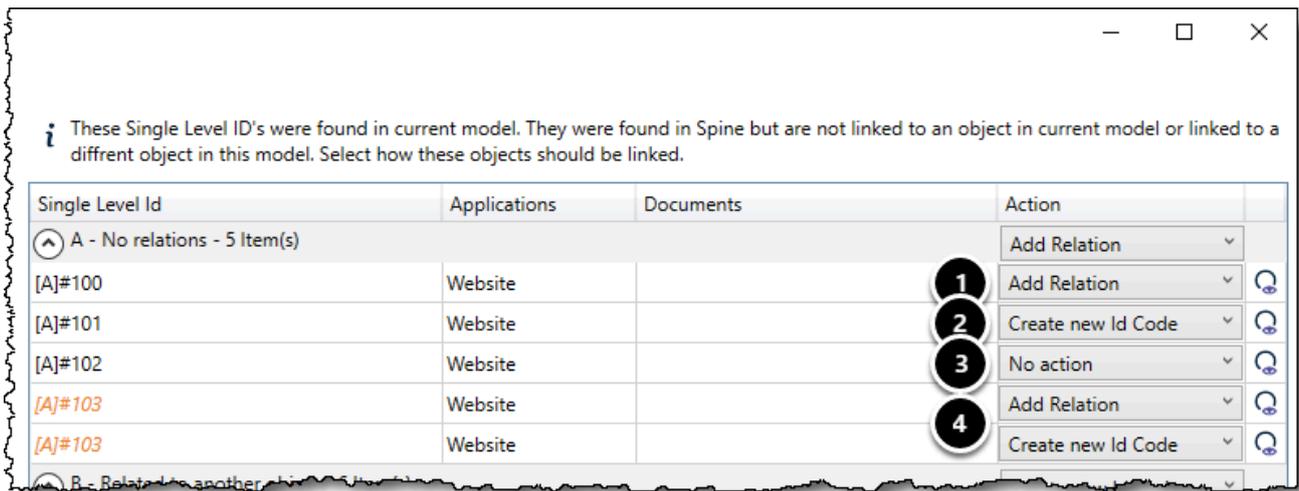
ID Code was found in the spine project, but has no relations to any [documents](#).

Actions:

Add Relation: Adds a new relation between Revit object and spine object. Relations to other models or [applications](#) remains.

Create new Id Code: Creates a new Id Code with next available number. Current Id Code will be replaced with the newly created.

No action: Revit object will not be related to a spine object.



A	B	C	D	E	F
Name	Number	CCS Topnode	CCS Class Code	CCS Class Name	CCS Single Level ID
Corridor	06	[A]	EAC	Corridor	[A]#100
Corridor	13	[A]	EAC	Corridor	[A]#101
Corridor	23	[A]	EAC	Corridor	[A]#102
Corridor	24	[A]	EAC	Corridor	[A]#103
Corridor	30	[A]	EAC	Corridor	[A]#103

Result:

- Add Relation:** 'Corridor 06' is related to spine object [A]#100
- Create new Id Code:** 'Corridor 13' is related to a new spine object [A]#3, and spine object [A]#101 is not related to the current model
- No action:** Nothing happens to 'Corridor 23'
- 'Corridor 24' and 'Corridor 30' has the same CCS Single Level ID value [A]#103. Select one to be related to spine object [A]#103 and one to get a new ID Code
Create new Id Code: 'Corridor 24' is related to new spine object [A]#4
Add Relation: 'Corridor 30' is related to spine object [A]#103

A	B	C	D	E	F
Name	Number	CCS Topnode	CCS Class Code	CCS Class Name	CCS Single Level ID
Corridor	06	[A]	EAC	Corridor	[A]#100
Corridor	13	[A]	EAC	Corridor	[A]#3
Corridor	23	[A]	EAC	Corridor	[A]#102
Corridor	24	[A]	EAC	Corridor	[A]#4
Corridor	30	[A]	EAC	Corridor	[A]#103

B - Related to another object

ID Code already has a relation in current [model](#), but it differs from the object defined in the [spine project](#).

Actions:

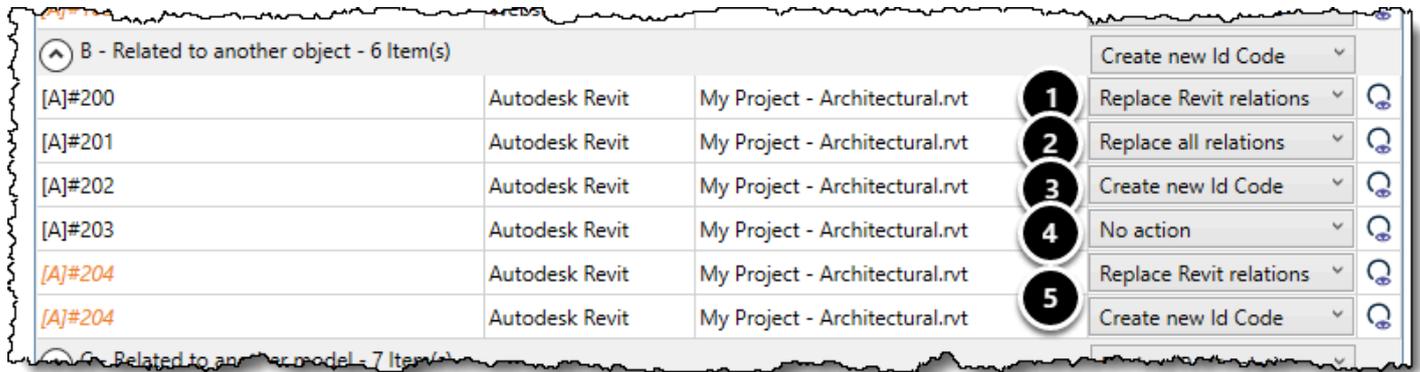
Replace Revit relations: Replaces all Revit relations. This deletes all other Revit model relations. Relations to other [applications](#) are not affected by this action.

Replace all relations: Replace all previous relations. This deletes all other relations regardless

application.

Create new Id Code: Creates a new Id Code with the next available number. Current Id Code will be replaced with the newly created.

No action: Revit object will not be related to a spine object.



A	B	C	D	E	F
Name	Number	CCS Topnode	CCS Class Code	CCS Class Name	CCS Single Level ID
Office	21	[A]	ADA	Office	[A]#200
Office	22	[A]	ADA	Office	[A]#201
Office	38	[A]	ADA	Office	[A]#202
Office	40	[A]	ADA	Office	[A]#203
Office	41	[A]	ADA	Office	[A]#204
Office	42	[A]	ADA	Office	[A]#204
Office	50	[A]	ADA	Office	[A]#204

Result:

- Replace Revit relations:** 'Office 21' is related to spine object [A]#200. All other Revit model relations to [A]#200 is deleted
- Replace all relations:** 'Office 22' is related to spine object [A]#201. All other relations to [A]#201 is deleted
- Create new Id Code:** 'Office 38' is related to new spine object [A]#5 and spine object [A]#202 will not be related to the current model
- No action:** 'Office 40' still has the Single Level ID value [A]#203, but spine object [A]#203 is not related to the Revit object
- 'Office 41' and 'Office 42' has the same CCS Single Level ID value [A]#204. Select one to be related to spine object [A]#204 and one to get a new ID Code

Replace Revit relations: 'Office 41' is related to [A]#204

Create new Id Code: 'Office 42' is related to new spine object [A]#6

A	B	C	D	E	F
Name	Number	CCS Topnode	CCS Class Code	CCS Class Name	CCS Single Level ID
Office	21	[A]	ADA	Kontor	[A]#200
Office	22	[A]	ADA	Kontor	[A]#201
Office	38	[A]	ADA	Kontor	[A]#5
Office	40	[A]	ADA	Kontor	[A]#203
Office	41	[A]	ADA	Kontor	[A]#204
Office	42	[A]	ADA	Kontor	[A]#6

C - Related to another model

ID Code is related to an object in another model.

Actions:

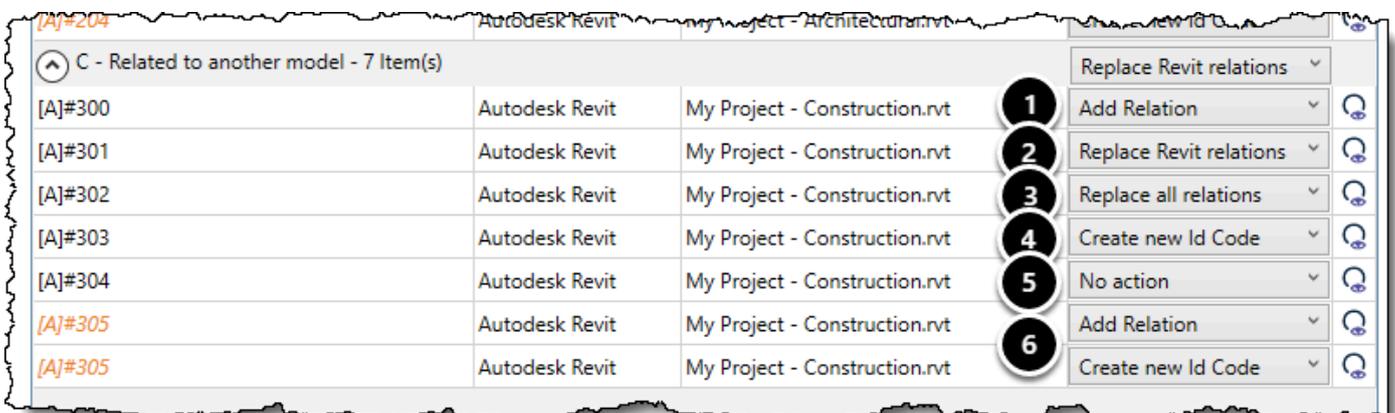
Add Relation: Adds a new relation between Revit object and spine object. Relations to other models or [applications](#) remains.

Replace Revit relations: Replaces all Revit relations. This deletes all other Revit model relations. Relations to other applications are not affected by this action.

Replace all relations: Replace all previous relations. This deletes all other relations regardless application.

Create new Id Code: Creates a new Id Code with next available number. Current Id Code will be replaced with the newly created.

No action: Revit object will not be related to a spine object.



A	B	C	D	E	F
Name	Number	CCS Topnode	CCS Class Code	CCS Class Name	CCS Single Level ID
Toilet	07	[A]	ABB	Toilet	[A]#300
Toilet	08	[A]	ABB	Toilet	[A]#301
Toilet	15	[A]	ABB	Toilet	[A]#302
Toilet	16	[A]	ABB	Toilet	[A]#303
Toilet	25	[A]	ABB	Toilet	[A]#304
Toilet	26	[A]	ABB	Toilet	[A]#305
Toilet	32	[A]	ABB	Toilet	[A]#305

Result:

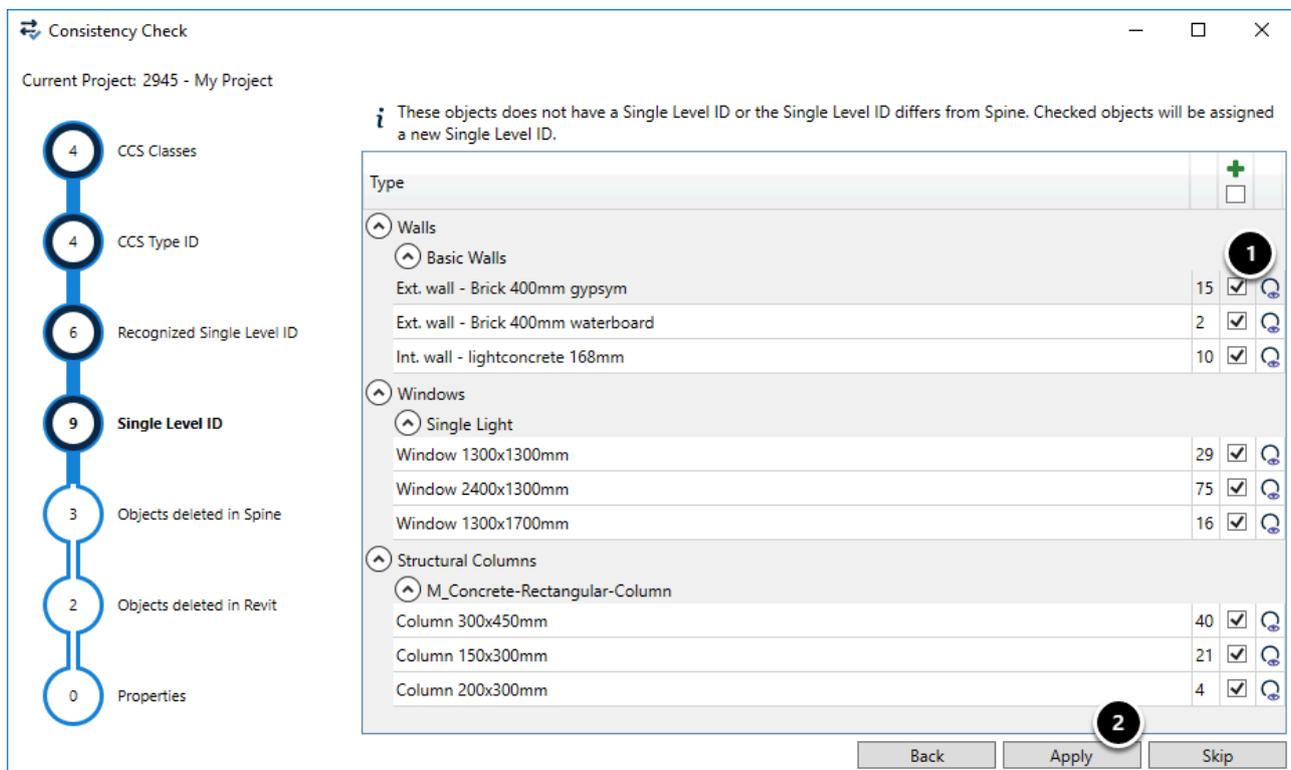
- Add Relation:** 'Toilet 07' is related to spine object [A]#300. spine object [A]#300 is still related to a Revit object in another model
- Replace Revit Relations:** 'Toilet 08' is related to spine object [A]#301. spine object [A]#301 is no longer related to a Revit objects in another model
- Replace all Relations:** 'Toilet 15' is related to a spine object [A]#302. spine object [A]#302 is no longer related to objects in other models
- Create new Id Code:** 'Toilet 16' is related to a new spine object [A]#7.
- No Action:** Nothing happens
- 'Toilet 26' and 'Toilet 32' has the same CCS Single Level ID value [A]#305. Select ont to be related to spine object [A]#305 and one the get a new ID Code

Add Relation: 'Toilet 26' is related to [A]#305

Create new Id Code: 'Toilet 32' is related to new spine object [A]#8

A	B	C	D	E	F
Name	Number	CCS Topnode	CCS Class Code	CCS Class Name	CCS Single Level ID
Toilet	07	[A]	ABB	Toilet	[A]#300
Toilet	08	[A]	ABB	Toilet	[A]#301
Toilet	15	[A]	ABB	Toilet	[A]#302
Toilet	16	[A]	ABB	Toilet	[A]#7
Toilet	25	[A]	ABB	Toilet	[A]#304
Toilet	26	[A]	ABB	Toilet	[A]#305
Toilet	32	[A]	ABB	Toilet	[A]#8

5. Single Level ID



Consistency Check

Current Project: 2945 - My Project

These objects does not have a Single Level ID or the Single Level ID differs from Spine. Checked objects will be assigned a new Single Level ID.

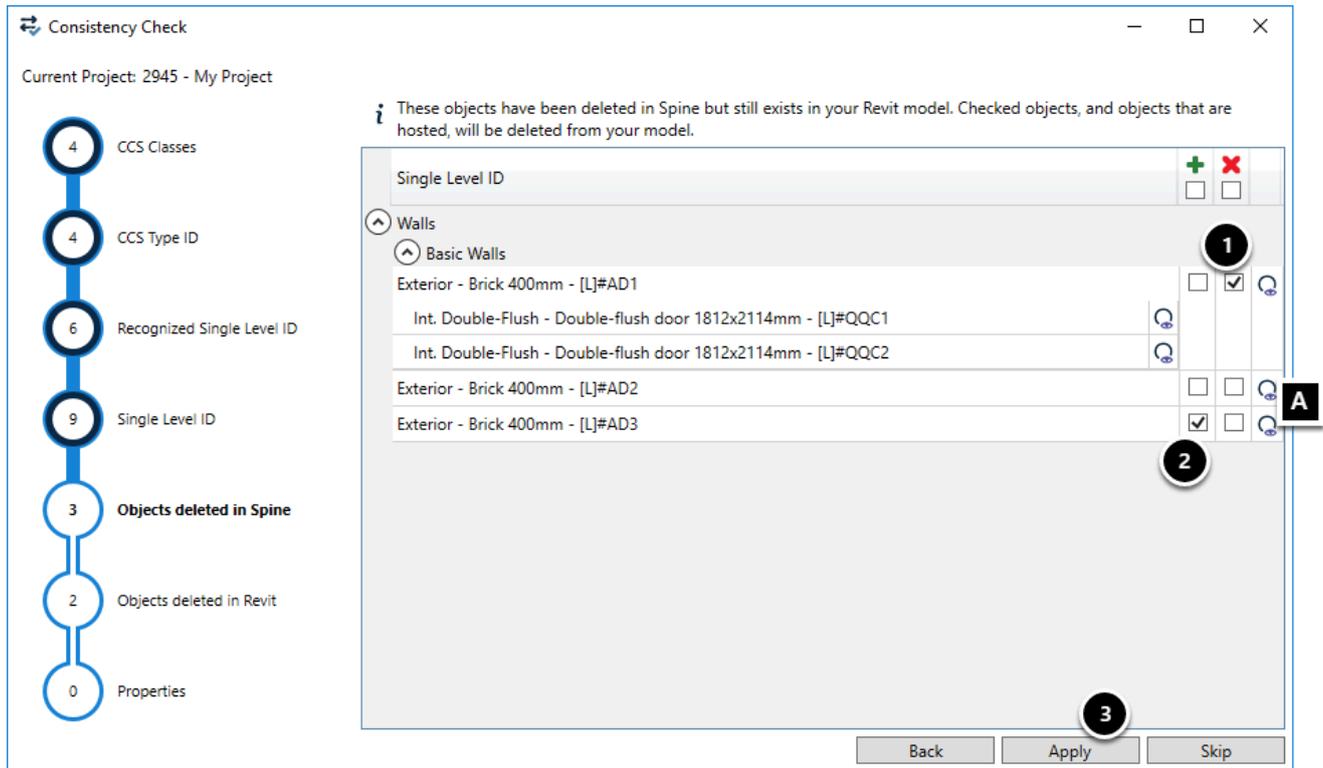
Type	Count	Checked	Reset
Walls			
Basic Walls			
Ext. wall - Brick 400mm gypsym	15	<input checked="" type="checkbox"/>	
Ext. wall - Brick 400mm waterboard	2	<input checked="" type="checkbox"/>	
Int. wall - lightconcrete 168mm	10	<input checked="" type="checkbox"/>	
Windows			
Single Light			
Window 1300x1300mm	29	<input checked="" type="checkbox"/>	
Window 2400x1300mm	75	<input checked="" type="checkbox"/>	
Window 1300x1700mm	16	<input checked="" type="checkbox"/>	
Structural Columns			
M_Concrete-Rectangular-Column			
Column 300x450mm	40	<input checked="" type="checkbox"/>	
Column 150x300mm	21	<input checked="" type="checkbox"/>	
Column 200x300mm	4	<input checked="" type="checkbox"/>	

Buttons: Back, Apply, Skip

Objects with a [CCS Class](#), but without a [Single Level ID](#)

1. Tick objects to be assigned a Single Level ID
2. Click apply

6. Objects deleted in spine

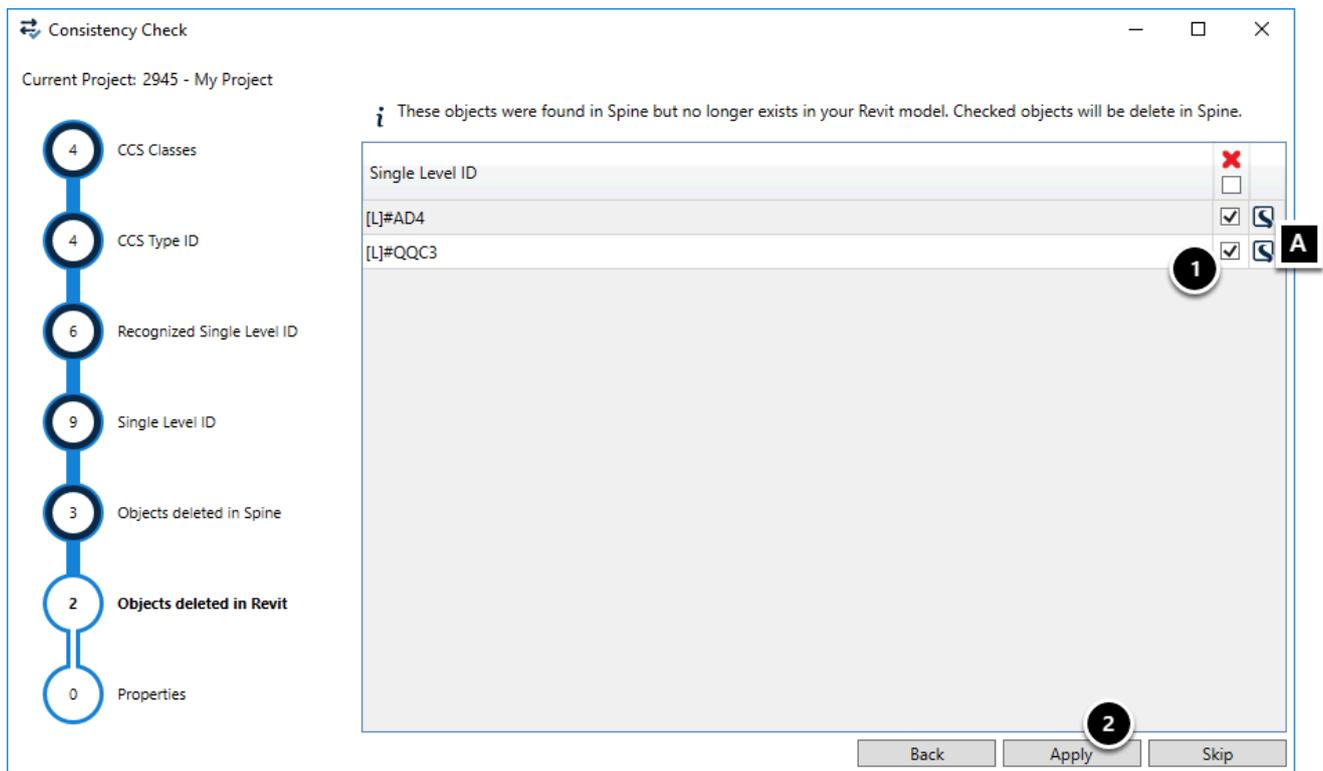


Objects deleted in the [spine Projects](#), that still exist in the current [Revit file](#).
Reassign a [Single Level ID](#) or delete the object in the Revit file.

1. Tick objects to be deleted in the Revit file
2. Tick objects to be reassigned a Single Level ID
3. Click apply

A: Display objects in the model

7. Objects deleted in Revit

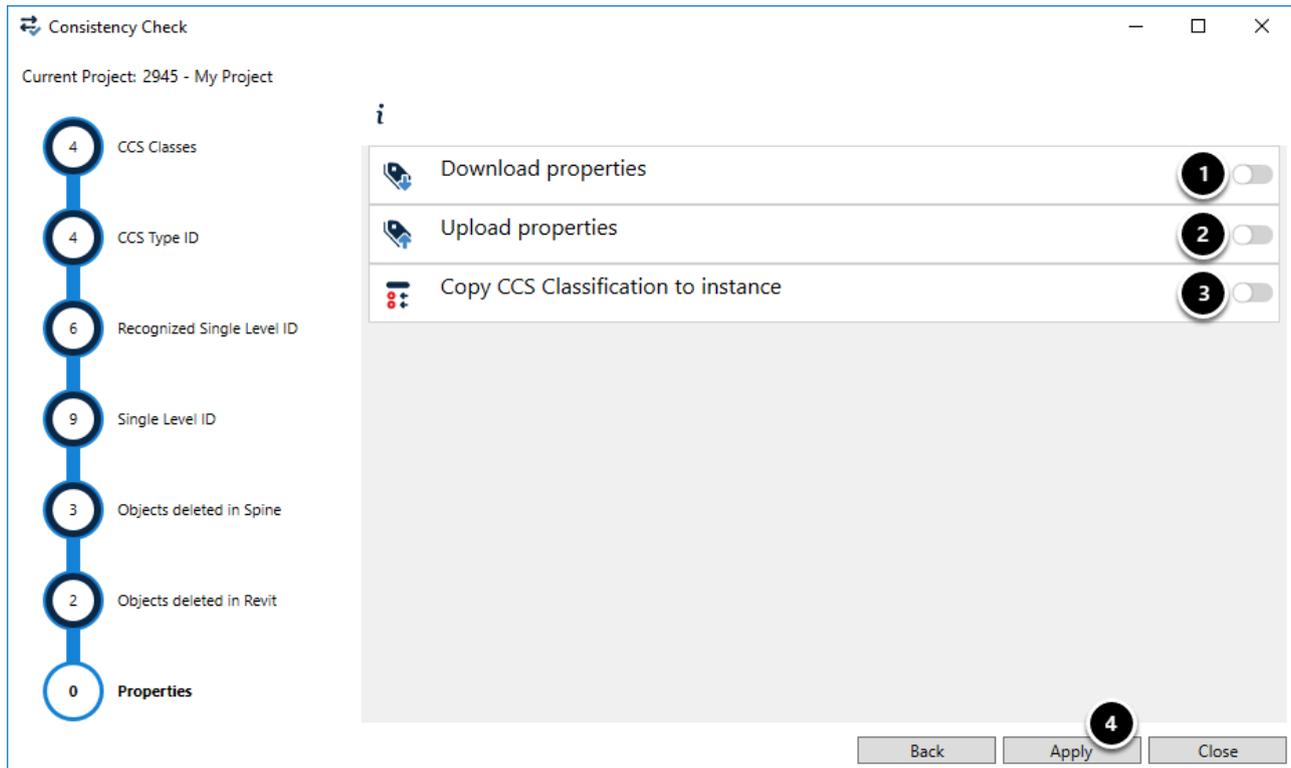


Objects found in the [spine Project](#), which no longer exist in the current [Revit file](#).

1. Tick objects to be deleted in the spine Project
2. Click apply

A: Display objects in the [spine Desktop & Viewer](#)

8. Properties



1. Download [property values](#) from the [spine Project](#) to the [Revit file](#)
2. Upload propertie values from the Revit file to the spine project
3. Copy CCS classification to [instances](#)
4. Click apply

9. Consistency Check Tutorial (Video English)