

June 2026

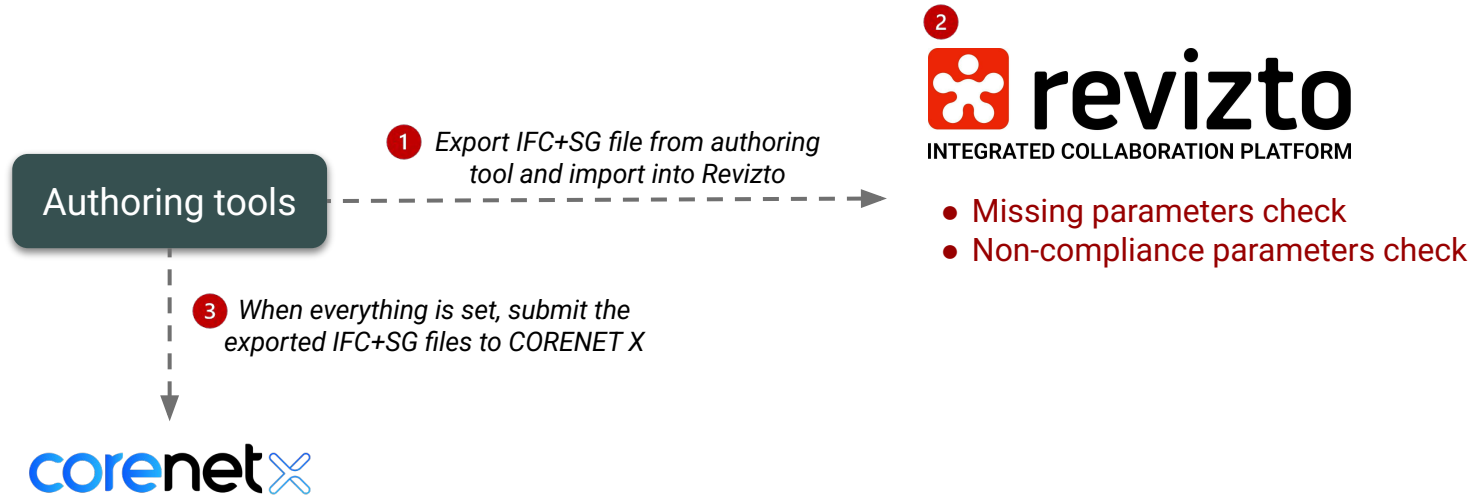
# IFC+SG review and quality checking

corenetX

# 01 Workflow

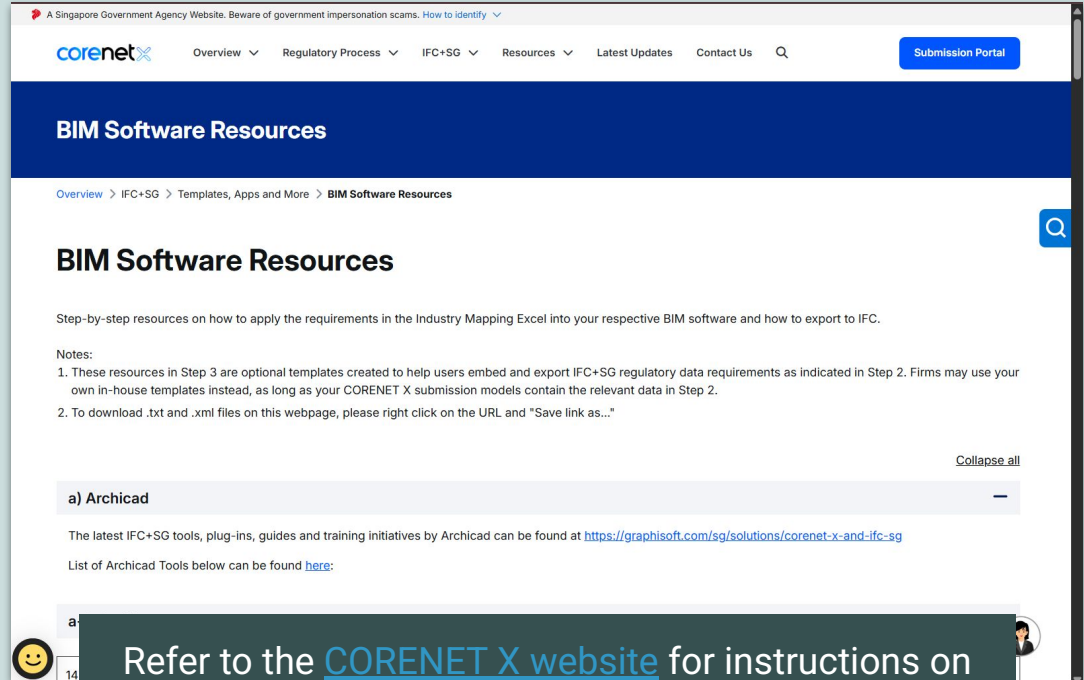
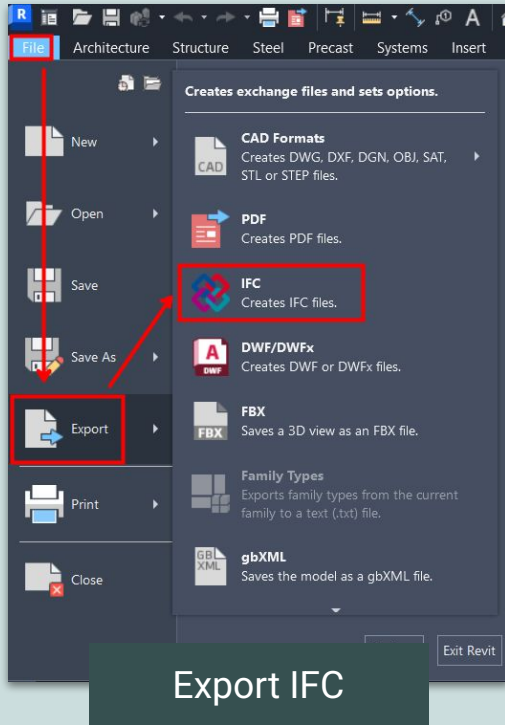


# IFC+SG review and quality checking

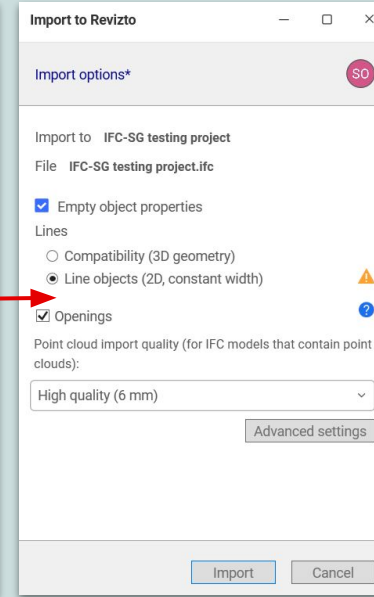
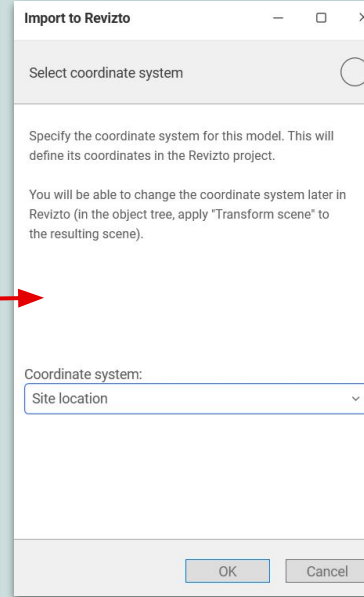
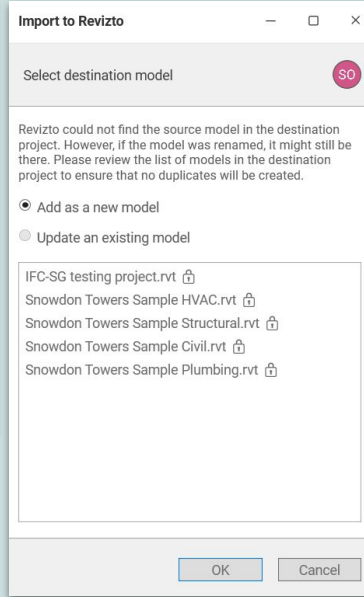
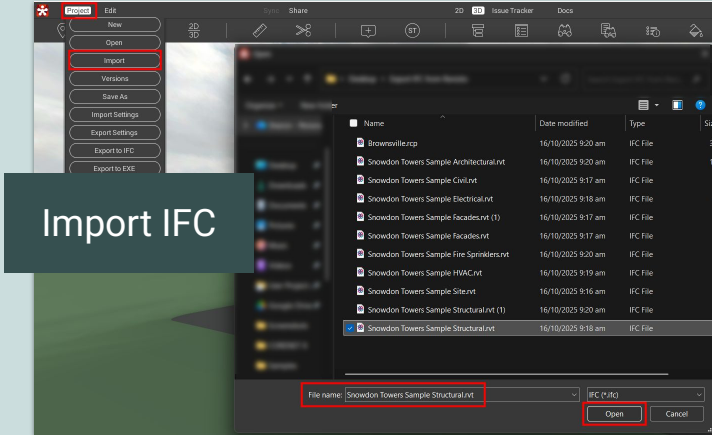


- 1 Export IFC+SG file and import it into Revizto to check IFC+SG parameters
- 2 Check the IFC+SG parameters in Revizto
- 3 Submit the exported IFC+SG files to CORENET X

# 1.1 - Export IFC+SG file from authoring tool

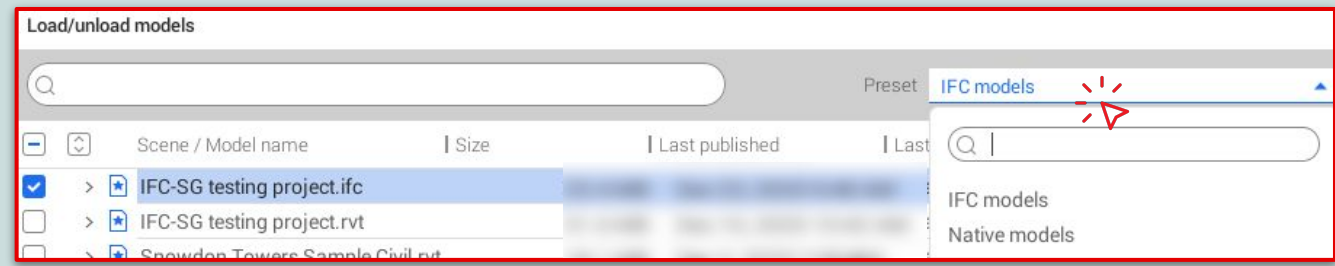
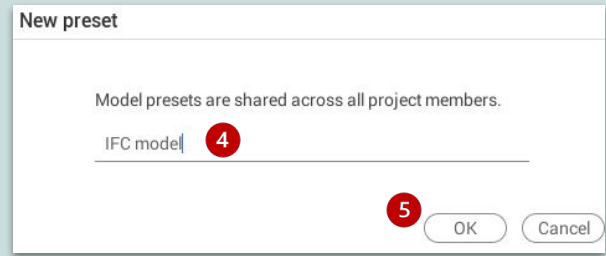
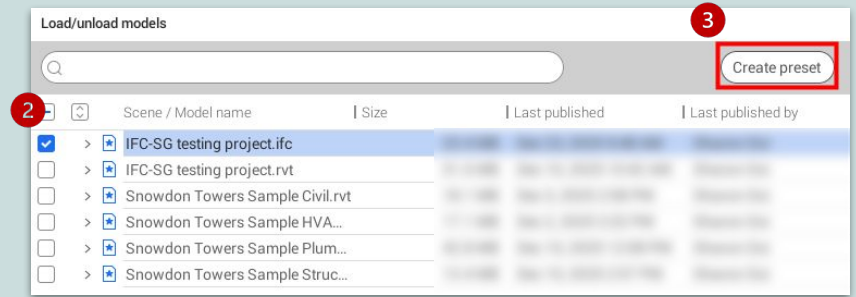
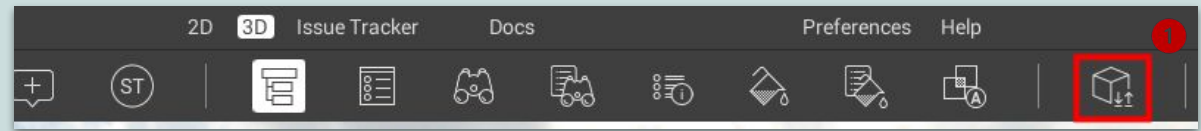


# 1.2- Import IFC+SG into Revizto



# 1.2- Import IFC+SG into Revizto (con't)

💡 *Tips: Model presets for segregating native and IFC models in the same Revizto project*



# 1.2- Import IFC+SG into Revizto (con't)

**Properties**

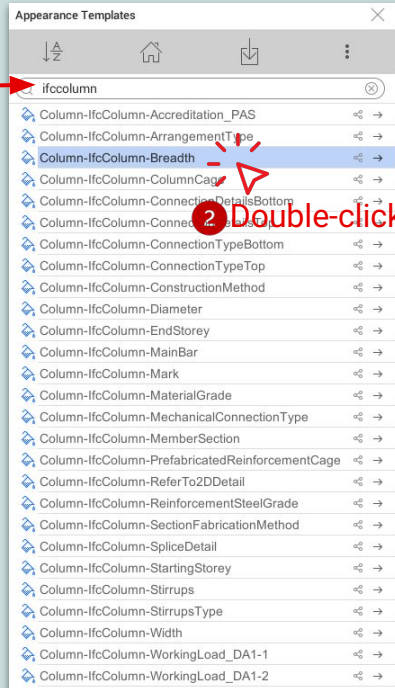
Property	Value
<input type="checkbox"/> Material Name	Concrete - Cast-in-Place Concrete
<input type="checkbox"/> Pset_EnvironmentalImpactIndicators	
<input type="checkbox"/> Reference	300mm
<input type="checkbox"/> Profile 1	
<input type="checkbox"/> Profile Name	300mm
<input type="checkbox"/> Qto_ColumnBaseQuantities	
<input type="checkbox"/> Length	3800 mm
<input type="checkbox"/> CrossSectionArea	0.071 m <sup>2</sup>
<input type="checkbox"/> OuterSurfaceArea	3.581 m <sup>2</sup>
<input type="checkbox"/> GrossVolume	0.269 m <sup>3</sup>
<input type="checkbox"/> NetVolume	0.269 m <sup>3</sup>
<input type="checkbox"/> Pset_ColumnCommon	
<input type="checkbox"/> IsExternal	No
<input type="checkbox"/> LoadBearing	Yes
<input type="checkbox"/> LoadBearing	Yes
<input type="checkbox"/> Reference	300mm
<input type="checkbox"/> Pset_ReinforcementBarPitchOfColumn	
<input type="checkbox"/> Reference	300mm
<input type="checkbox"/> SGPset_Column	
<input type="checkbox"/> Accreditation_PAS	Yes
<input type="checkbox"/> ConstructionMethod	CIS
<input type="checkbox"/> SGPset_ColumnDimension	
<input type="checkbox"/> Breadth	300 mm
<input type="checkbox"/> SGPset_ColumnReinforcement	
<input type="checkbox"/> PrefabricatedReinforcementCage	Yes
<input type="checkbox"/> ColumnCage	Yes
<input type="checkbox"/> SGPset_PrecastConcreteElementGeneral	
<input type="checkbox"/> ArrangementType	Multi-Tier
<input type="checkbox"/> SGPset_SteelConnection	
<input type="checkbox"/> ConnectionDetailsBottom	Detail 1
<input type="checkbox"/> ConnectionDetailsTop	Detail 1
<input type="checkbox"/> ConnectionTypeBottom	Pinned
<input type="checkbox"/> ConnectionTypeTop	Pinned

Exported IFC+SG file can be reviewed in Revizto

## 2- Check the IFC+SG parameters in Revizto

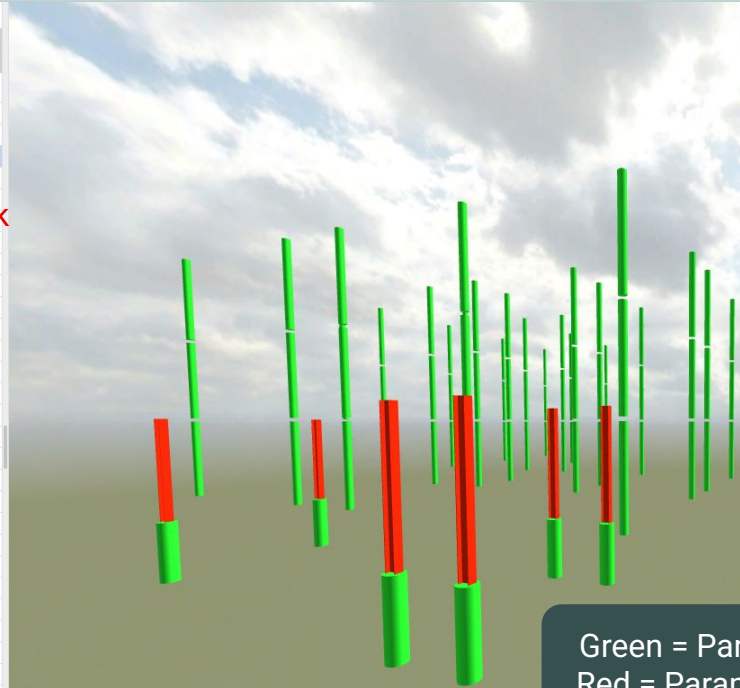
*Review undefined parameter in colour coding*

### Appearance Template



1 Sort by Ifc type or parameter name

2 Double-click



Green = Parameter defined  
Red = Parameter undefined



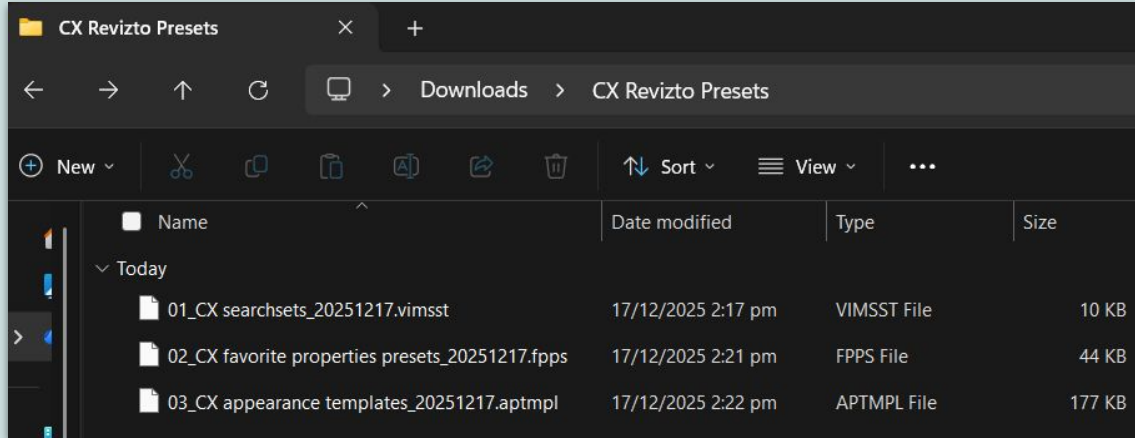
# 02

## Implementing Revizto presets for CORENET X workflows

Note: If you have imported the presets during  
modelling stage, you may jump to page xxx



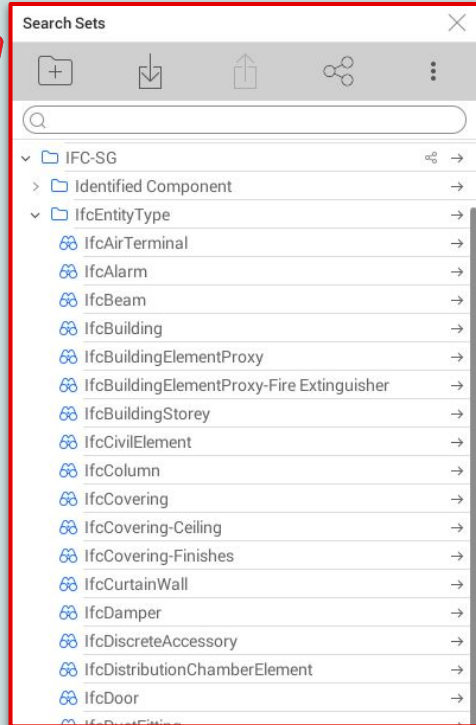
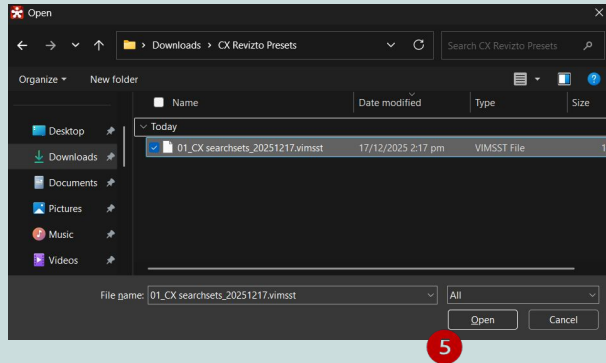
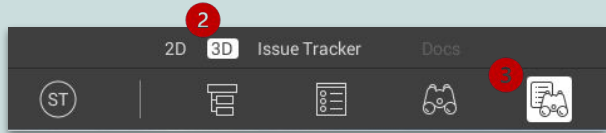
# Locating and preparing preset files



1. **Download:** Access the latest Preset Files by clicking [here](#).
2. **Extract:** Ensure the downloaded ZIP folder is fully extracted to a local directory before attempting to import the files into your Revizto project.

**⚠ Important maintenance note:**  
To ensure ongoing compliance, these preset files are subject to periodic reviews. In the event of an update to the CORENET X Code of Practice (COP), the presets will be updated accordingly. Users are encouraged to verify they are using the most current version prior to each major submission milestone.

# Step-by-step: Importing presets into Revizto

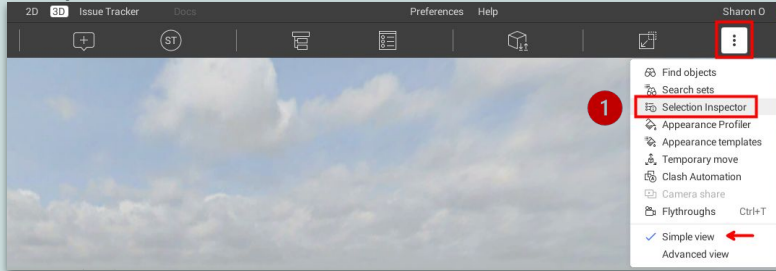


## Importing search set:

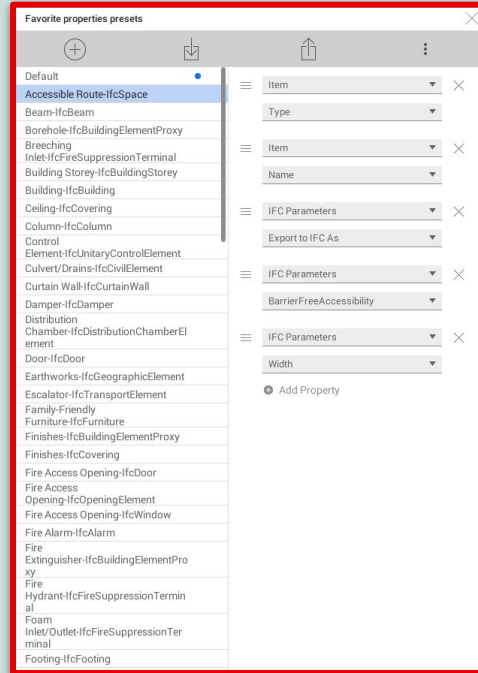
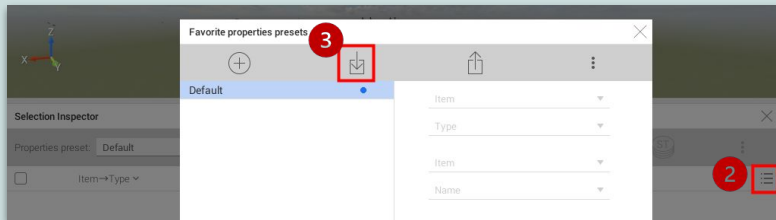
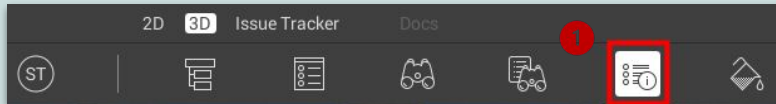
1. In the Revizto application, open a project.
2. At the top of the application window, click **3D**.
3. On the top toolbar, click **Search Sets**.
4. At the top of the **Search Sets** pane, click **import**.
5. Select a file and click **open**.

# Step-by-step: Importing presets into Revizto

## Simple view:



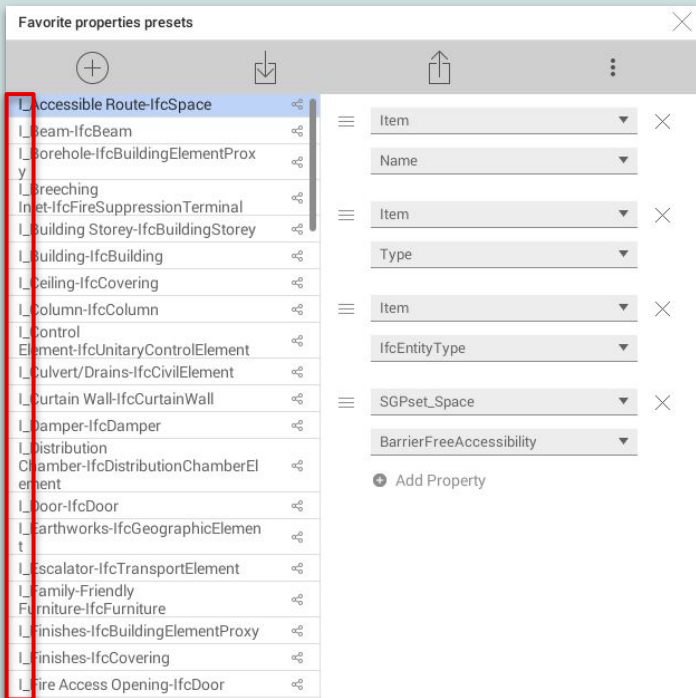
## Advanced view:



## Importing favorite properties:

1. Open the **Selection Inspector** pane by clicking **more** on the toolbar and selecting Selection Inspector, or by clicking **Selection Inspector** when in advanced view.
2. Open the **Favorite Properties** presets window.
3. Click **Import** to import the selected property to a preset file (.fpps).

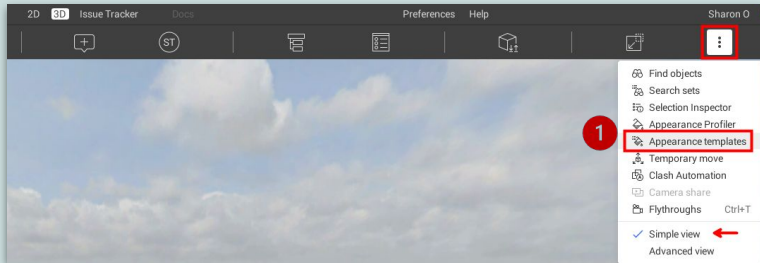
# Note for Favorite Properties



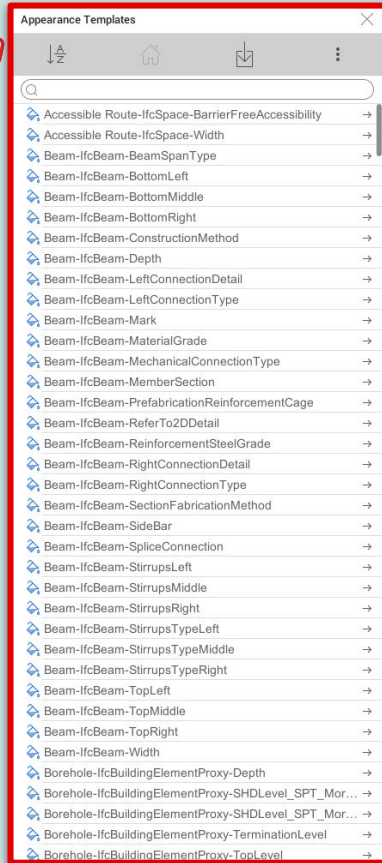
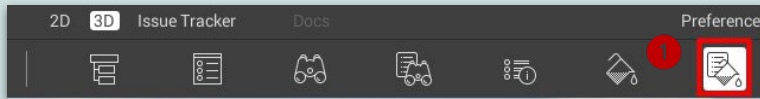
**Focus only on presets beginning with "I":**  
I - Utilised for checking IFC models

# Step-by-step: Importing presets into Revizto

## Simple view:



## Advanced view:



## Importing appearance templates:

1. Open the **Appearance Template** pane by clicking **more** on the toolbar and selecting Appearance Template, or by clicking **Appearance Template** when in advanced view.
2. Click **import** to import the selected template to a preset file (.aptmpl).

# 03

## Support & feedback

# Support & feedback

We are committed to the continuous improvement of our tools to better serve the industry. As the CORENET X standards evolve, your insights are invaluable.

If you have any feedback regarding the Revizto presets, or if you require technical clarification on the application, please contact our team:

**Primary contact:**

Sharon Ooi - Industry Consultant ([lm.ooi@revizto.com](mailto:lm.ooi@revizto.com))

**Secondary contact:**

Chris Mawson - Reg. CS Director (APAC) ([c.mawson@revizto.com](mailto:c.mawson@revizto.com))



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When it has to be made right,  
it has to be Revizto.

Thank you.

 revizto