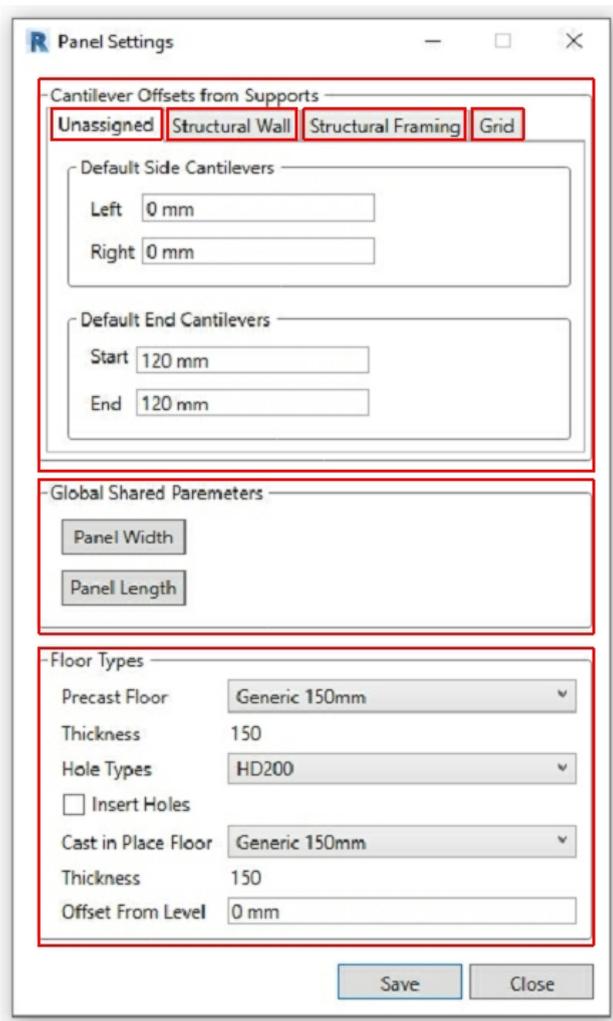
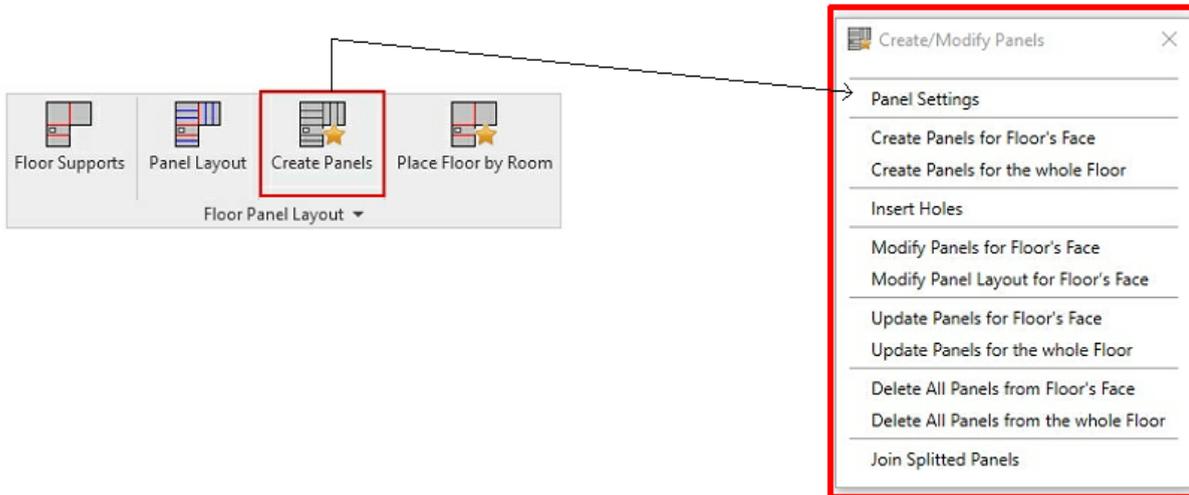


# Create Panels

Modified on: Wed, 5 Aug, 2020 at 3:20 PM

- Select **Create Panels** in the **Floor Panel Layout** menu.
- Select **Panel Settings** from **Create/Modify Panels** menu.

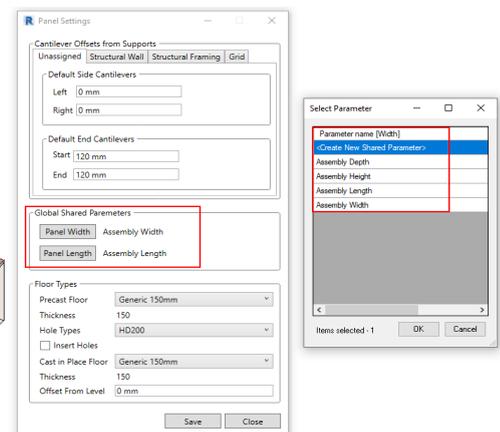
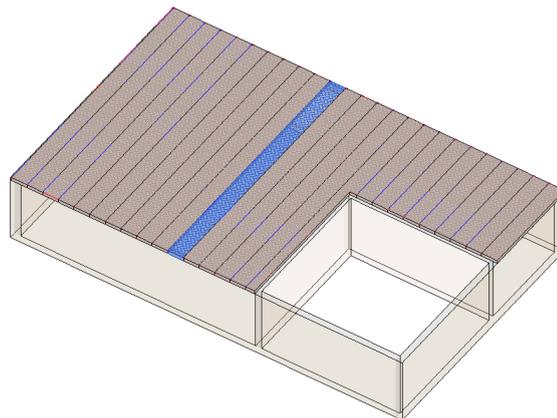


The **Cantilever Offsets from Supports** section lets you define parameters for left/right and start/end cantilevering from structural support for:

- **Unassigned** - use this parameter when floor boundary is not assigned to a Floor Support. Use **Default End Cantilevers (Start/End)** to define offsets for newly created panels.
- **Structural Wall** - use this parameter when floor is assigned to a Floor Support made of structural wall elements. Use this parameter to define start/end offsets from core boundary.
- **Structural Framing** - use this parameter when floor is assigned to a Floor Support made of structural framing elements (i.e. beams). Use this parameter to define start/end offsets from side surface.
- **Grid** - use this parameter when floor is assigned to a Floor Support made of grid elements. Use this parameter to define start/end offsets from grid location line.

**Global Shared Parameters** - software will calculate width and length of floor panels. Assign assembly dimension parameters in Global Shared Parameters. When panels are generated, width, length, height, and depth parameter values will be generated automatically and inserted into corresponding Identity Data fields. You can also create your own parameters.

Unique Frame	
Structural	<input checked="" type="checkbox"/>
Enable Analytical Model	<input checked="" type="checkbox"/>
Rebar Cover - Top Face	Rebar Cover 1 <25 mm>
Rebar Cover - Bottom Face	Rebar Cover 1 <25 mm>
Rebar Cover - Other Faces	Rebar Cover 1 <25 mm>
Dimensions	
Slope	
Perimeter	19868.0
Area	5,500 m <sup>2</sup>
Volume	0,840 m <sup>3</sup>
Elevation at Top	3150.0
Elevation at Bottom	3000.0
Thickness	150.0
Identity Data	
Image	
Comments	
Mark	
Field Sort/Mark	
Assembly Area	
Assembly Volume	
Assembly Width	9334.0
Assembly Depth	
Assembly Length	600.0
Assembly Height	
Phasing	
Phase Created	New Construction
Phase Demolished	None



**Floor Types** - allows you to select which floor type will be used. Penetration holes and type can also be defined.

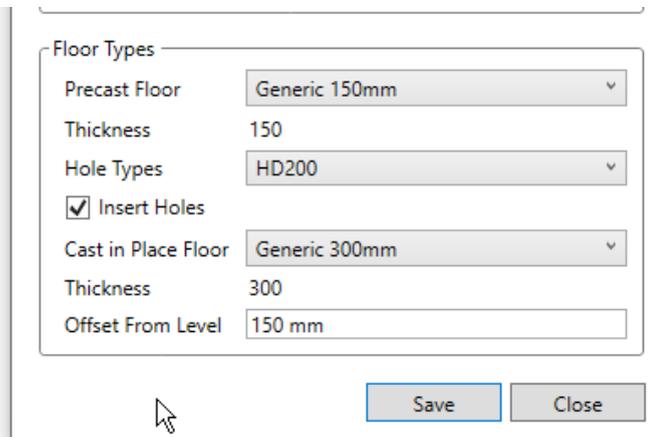
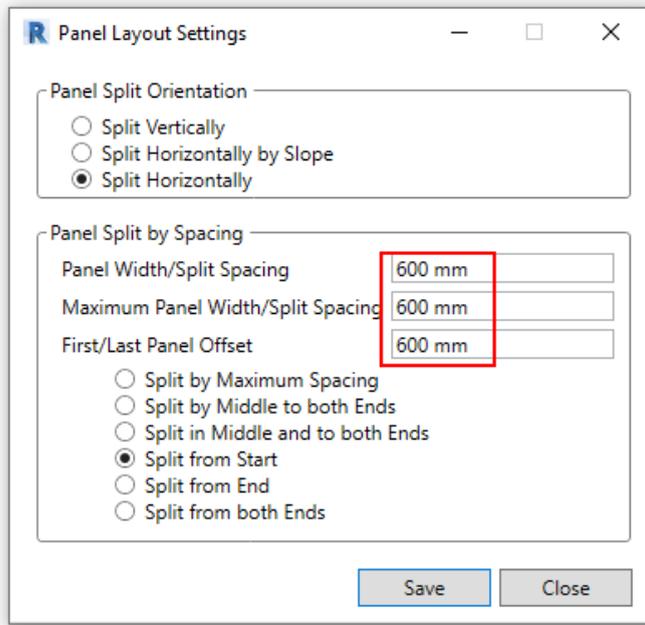
**Precast Floor** is a floor type which will be used for generating panels. Sizes defined in **Panel Layout Settings** (i.e. panel width) will be the generic layout width. Chosen **Precast Floor** type will be used for generating panels at generic layout widths (e.g. 600mm)

**Cast in Place Floor** is a floor type which will be used when the floor panel layout is an abnormal size (e.g. greater than 600 mm)

**Offset from Level** - allows you to offset **Cast in Place Floor** type from level.

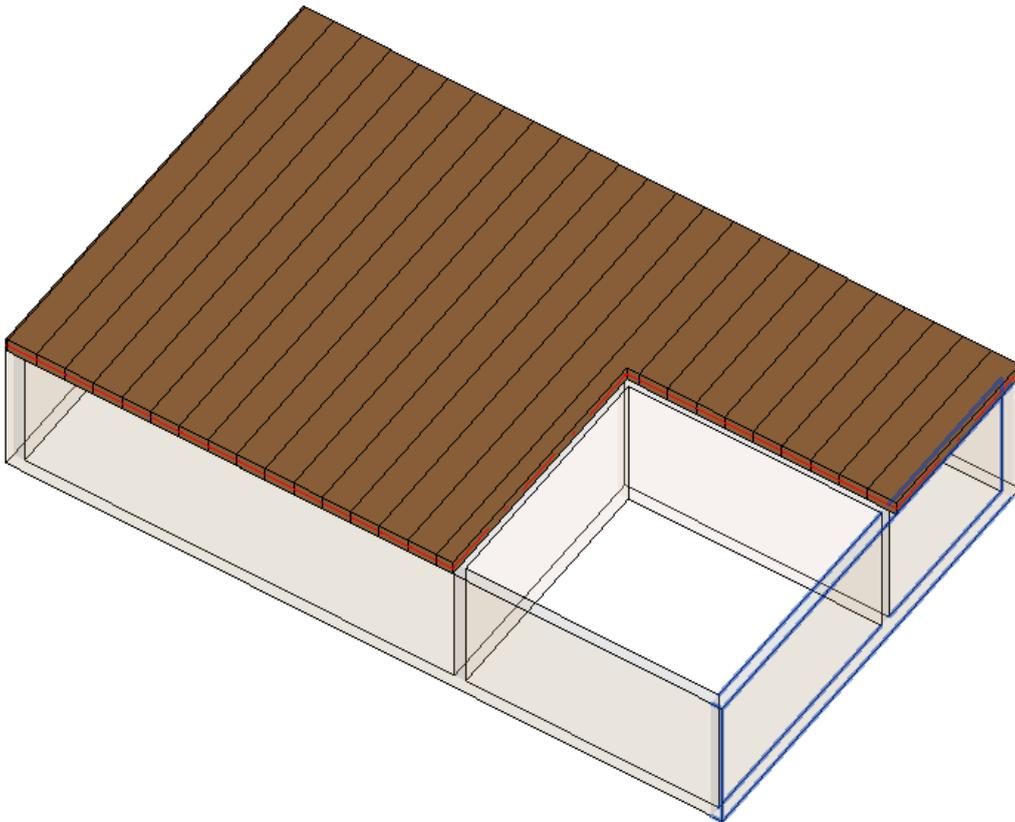
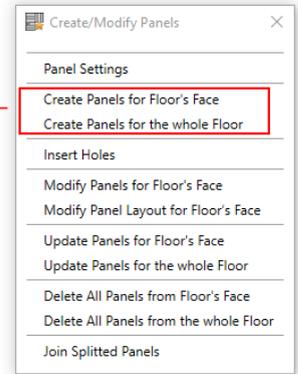
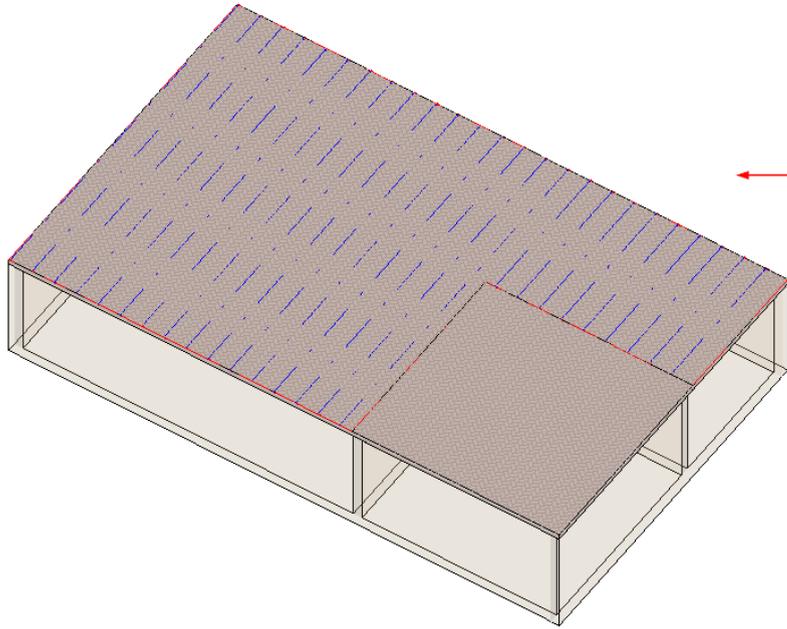
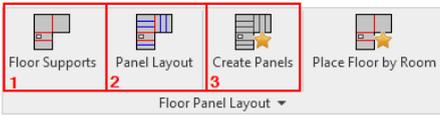
Note: **Precast Floor** type is a level reference point. Offsets will be calculated from **Precast Floor**.

**Hole Types** - software comes with generic penetration hole families. You can modify or create your own new hole families.



Once **Panel Layout Settings** and **Create Panel - Panel Settings** are ready, you can **Create Panels for Floor's Face** or **Create Panels for the whole Floor**.

Created panels can further be modified/updated/deleted or joined.



For a faster workflow, you can simply define panel layout and create panels with only a few clicks.

