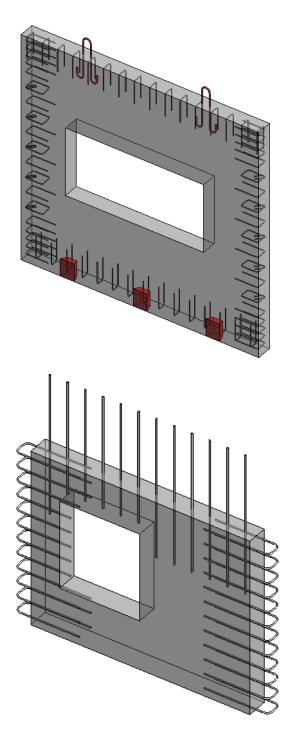
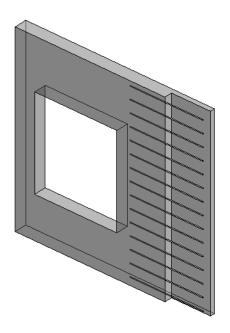
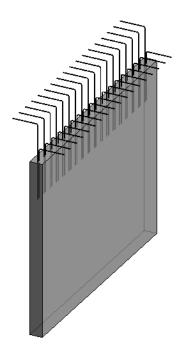
Additional Reinforcement

Modified on: Tue, 6 Apr, 2021 at 10:56 AM

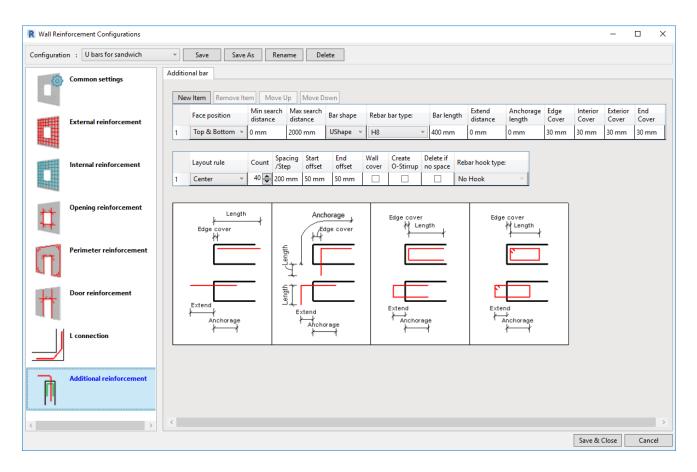
This feature allows you to place U, L, O, and straight bar shapes at selected wall edges. Edges may be horizontal or vertical.







Configuration Settings



Face position - pick the side(s) where rebar should be created Min/Max Search distance - sets the limits of cuts on wall edges

Bar shape - different rebar shapes are pictured in the configurations window https://helpdesk.agacad.com/support/solutions/articles/44002172501-additional-reinforcement

Rebar bar type - select type of reinforcement

Bar length, Extend distance, Anchorage length, Edge cover - refer to the images in the configurations window Interior/Exterior cover - cover from selected side of the wall layer

NOTE: For L and straight bar shapes, you can select one of the cover options. This will affect the direction on hooks/bends for those bars!!!

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0	Common settings	Addition	nal bar														
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	Opening reinforc	ement	2	Center	~	44 🗢 200 mi	m 50 mm	50 mm			Standar	d - 180 deg	. *				

End cover - if bar end will intersect with another boundary of the wall, this distance will be used as an offset from it

Layout rules along the edge

Layout rule

Center - number of rebar with defined spacing will be distributed symmetrically around center of the edge **Start/End** - rebar set with defined spacing will be created starting from selected end of edge line with defined offset. Opposite end offset will control where to stop laying out bars.

Start End - rebar will be created at exact positions of Start/End offsets and distributed with defined spacing. In this case, a rebar set might be created and then one single bar at the end of the layout.

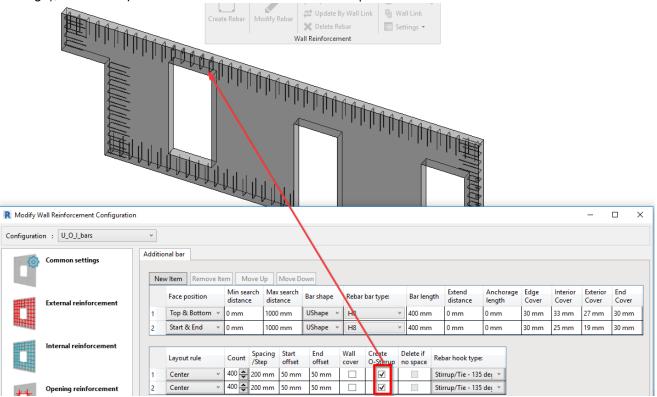
Spacing - distance between bars

Start/End offsets - distance from the start/end of wall edge ends

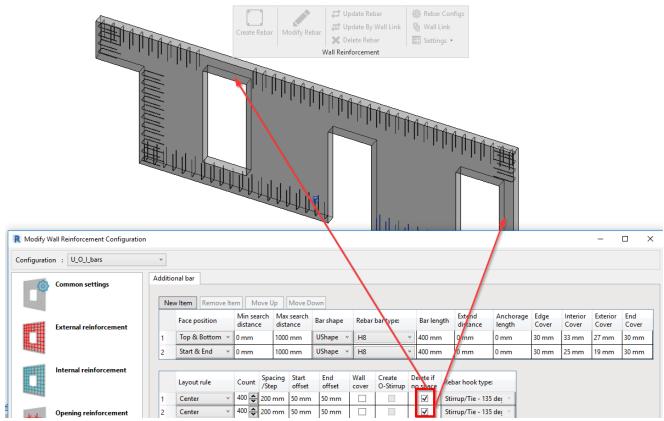
Wall cover - available only for U and O shapes. If this option is turned ON, then cover settings will be calculated from Wall sides, not from Wall layer sides.

R Modify Wall Reinforcement Configuration	in												
Configuration : Finland sandwich 480 v													
Common settings Additional bar New Item Remove Item Move Up Move Down													
External reinforcement	Face position Min search distance Max search distance Bar shape Rebar bar type: Bar length Extend distance Anchorage Edge Cover Inter Cover												
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mum	2 Bottom v 0 mm 2000 mm UShape v H8 v 400 mm 0 mm 0 mm 25 mm 25 m	Im											
Internal reinforcement	Layout rule Count /Step offset Court OrStirrup Rebar hook type:												
	3 Start v 50 🗢 200 mm 200 mm 70 mm 🔽 🗌 No Hook v												
Opening reinforcement	2 Start v 50 200 mm 180 mm 70 mm												
Perimeter reinforcement	Edge cover Edge cover H Edge cover H Length Length Length												
Door reinforcement													
	Extend Extend Anchorage Anchorage Anchorage												

Create O stirrup - available for U shape only. If there is no space to place rebar of defined length (e.g. opening is near the edge), then O-shaped bar will be created instead of U-shaped bar.



Delete if no spcae - available for U and O shapes only. If there is no space to place rebar of defined length (e.g. opening is near the edge), rebar will be deleted.



Additional Reinforcement : AGACAD

Rebar hook type - select a hook type that is available in your project.