## External/Internal Reinforcement

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## **External/Internal Reinforcement**

The difference between External and Internal reinforcement is that one mesh will be placed with cover defined from the External side of the wall and the other from the Internal side of the wall. Other settings are the same.

R Wall Reinforcement Configurations			-		×
Configuration : Default Configuration	Y Save Save	e As Rename Delete			
Common settings	Vertical Rebar Horizontal Create Rebar: Rebar bar type:	I Rebar Covers			
External reinforcement	Rebar Hook Type Start: Rebar Hook Type End:	No Hook ~ No Hook ~			
Internal reinforcement	Spacing/Step First/Last Spacing Distance:	200 mm			
Opening reinforcement	Usage:	<ul> <li>Use for First</li> <li>Use for Last</li> <li>Use for Both</li> <li>Equal</li> </ul>			
Perimeter reinforcement					
			Save & Close	Can	cel

Create Rebar – select if you want to create selected rebar.

Rebar bar type - select Rebar Type.

Spacing/Step - define distance between rebar.

Rebar Hook Type Start/End - choose hook type for rebar

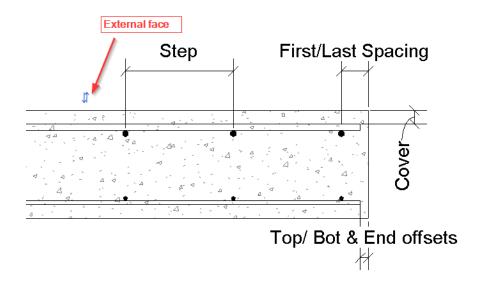
## First/Last Spacing:

Distance - define distance from wall start/end to first rebar.

Use for First/Last - choose from which side of the wall rebar should be distributed.

**Use for Both** option works together with Minimal Rebar distance in common settings. The sofware will try to create rebar at the start and end of the wall with defined distance, then it will distribute bars from the start of the wall, and if the last step is smaller than the Minimal Rebar Distance, rebar at the end will be removed. Check common settings description.

**Equal** - use this option to get same distance on both sides. Distance from edges of the wall to first and last rebar will be equal to value between Distance and Spacing/Step inputs.



## **Covers tab**

R Wall Reinforcement Configurations				
Configuration: only main external	✓ Save Save As	Rename Delete		
Common settings	Vertical Rebar Horizontal Rebar Covers			
	Major Rebar:	⊃ Vertical ● Horizontal		
	Cover:	25 mm		
External reinforcement	Vertical Rebars Top Offset:	15 mm		
	Vertical Rebars Bottom Offset:	15 mm		
Internal reinforcement	Horizontal Rebars Start Offset:	15 mm		
	Horizontal Rebars End Offset:	15 mm		

**Major Rebar** – select which one will be near the wall face: Vertical or Horizontal rebar. **Cover** – cover from External/Internal wall face.

Vertical Rebar Top/Bottom Offset - offset from wall edges for vertical rebar.

Horizontal Rebar Start/End Offset - offset from wall edges for horizontal rebar.

NOTE: you can use negative values for offsets to extend bars outside wall boundary.

