FRAMING CONFIGURATION – Wall Framing

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Framing Configuration may be found in two locations:



Wall Framing

Paneling Configuration

Details Configuration

Trawing Configuration

Numbering Configuration

FRAMING CONFIGURATION – Wall Framing : AGACAD

^	Vertical Stud Top Plate Bottom Plate Offsets				
Common Settings	Add Studs	^			
	Align with Project Base Point				
Wall Framing	Stud Spacing 2' - 0"				
	First/Last Spacing				
	Spacing 2' - 0"				
Opening Framing	First/Last Spacing				
	 Use for First 				
	Use for Last				
L Connection					
	Custom Join				
		D.L.			
End Connection	Predefined Layout Name: Stud Save to Database Duplicate Rename Delete				
	Select Layout from Database Configuration: Select	¥			
V Connection	New Item Remove Item Move Up Move Down				
		Define Rotate			
-	X-Position Count Type	Depth 90°			
T Connection	1 Center ∨ 1 🖍 I_MF Stud-Joist : 600S162-43 ∨				
~	<	>			

Wall Framing – here you can control regular studs (Vertical Stud tab), top (Top Plate tab) plates and bottom (Bottom Plate tab) plates:



Add Studs

7/9/2021

FRAMING CONFIGURATION – Wall Framing : AGACAD

	Vertical Stud Top Plate Bottom Plate Offsets				
Common Settings	Add Studs				
	Align with Project Base Point				
Wall Framing	Stud Spacing 2' - 0"				
	First/Last Spacing				
	Eirst / art Spacing				
Cpenning Hanning	Use for First				
	Use for Last				
L Connection	O Use for Both				
	Custom Join —				
End Connection	Predefined Layout Name: Stud Save to Database Duplicate Rename Delete				
	Select Layout from Database Configuration:				
V Connection	New Item Remove Item Move Up Move Down				
	X-Position Count Type Define Rotate Depth 90°				
T Connection	1 Center v 1 → I MF Stud-Joist : 600S162-43 v V				
~					

Add Studs – adds studs with rules listed below to the frame. The frame can be created without studs, just using, for example, horizontal elements.

Align with Project Base Point

	Vertical Stud Top Plate Bottom Plate Offsets
Common Settings	Type M_MF C+C Stud : C10251-15 ×
	Width (b) 5.08
Wall Framing	Depth (h,d) 10.2
	Define Depth (h,d) by Layer Thickness 🔽
Opening Framing	Rotate 180°
	Add Studs
L Connection	Align with Project Base Point
	Stud Spacing 600
End Connection	First/Last Spacing600
	First/Last Spacing
V Connection	 Use for First Use for Last Use for Both
—	

Align with Project Base Point – allows studs to be positioned not only in relation to each other but according to Revit gridlines.

Studs are positioned on the gridlines – and where necessary to fill in gaps or form intersections – so that they always match up across a corridor or room.

Notice how the studs are spaced according to the grid:



First step – unclip the state of the Revit Project Base Point and move it to the needed position:



For more convenience, switch on Revit **Work Plane** and move it to the **Project Base Point**. It will help you to understand if the studs or joists are created in the right position:

FRAMING CONFIGURATION – Wall Framing : AGACAD



Turn on Align with Project Base Point in the Framing Configuration dialog:

· · · · · · · · · · · · · · · · · · ·	Vertical Stud	Top Plate	Bottom Plate	Offsets
Common Settings	Туре	Туре		M_MF C+C Stud : C10251-15 V
	Width (b)			5.08
Wall Framing	Depth (h,d)		10.2
	Define Dep	Define Depth (h,d) by Layer Thickness		
Opening Framing	Rotate 180	•		
	Add Studs			\checkmark
L Connection	Align with	Project Bas	e Point	
	Stud Spaci	ng		600
End Connection	First/Last S	pacing —		
	Spacing			600
	First/Last S	pacing		
V Connection	<u>ا</u> ا	lse for First		
		lse for Last Ise for Both		

Frame the walls, floors, or roof:



In the case you need to relocate the frame, just move the **Project Base Point** to the new position and update the frame!

Stud Spacing and First/Last Spacing

	Vertical Stud Top Plate Bottom Plate Offsets			
Common Settings	Add Studs			
	Align with Project Base Point			
Wall Framing	Stud Spacing 600			
	- First/Last Spacing			
Opening Framing	5pacing 600			
	First/Last Spacing			
L Connection	 Use for First Use for Last Use for Both 			

Stud Spacing – defines the distance between the studs.



FRAMING CONFIGURATION - Wall Framing : AGACAD

First/Last Spacing is dependent on the exterior side of wall as shown below. The beginning of the armament starts from the left side looking from the exterior side of a wall.



First/Last Spacing – first spacing will be on the side of the left side, and last on the right side.



Custom Join

^	Vertical Stud Top Plate Bottom Plate Offsets			
Common Settings	Custom Join			
	Predefined Lavout Name: Stud Save to Database Duplicate Repar	me Delete		
Wall Framing	Predenned Layout Name. State Save to Database Dupicate Rename Delete			
	Select Layout from Database Configuration: Select V			
	New Item Remove Item Move Up Move Down			
Opening Framing	X-Position Count Type	Define Rotate Rotate Depth 90° 180°		
	1 Center v 1 🔹 M_MF C+C Stud : C10251-15 v			
	Sumbolic Draview			
End Connection				
V Connection				
T Connection				
Ridge Stud				
↓ ↓ ↓↓	<	>		

Custom Join – is a multi-functional dialog where user can define rules for studs including size, count, position, rotation, spacing, alignment etc. All these rules can be saved and used in other framing configurations or shared with other users. This type of dialog is used frequently in our products, so here you can find **Custom Join detailed description** >> (https://agacad.freshdesk.com/support/solutions/articles/44001990031-custom-join)

Sloped and Non-Sloped Plates are symmetrical

^		Vertical Stud Top Plate Bottom Plate Offsets
Common Settings	Top Plate Top Cover	
		Sloped and Non-Sloped Plates are symmetrical 🔽
Wall Framing	Cut Type Don't Cut *	
		Custom Join
Opening Framing		Predefined Layout Name: Plate Save to Database Duplicate Delete

Sloped and Non-Sloped Plates are symmetrical – define if top/bottom plates should be the same for sloped and non sloped plates.

Sloped top plates:



Non-sloped bottom plates:



Cut Type

^	\sim	Vertical Stud Top Plate Bottom Plate Offsets		
Common Settings		Top Plate Top Cover		
Wall Framing	Sloped and Non-Sloped Plates are symmetrical 🔽			
	Cut Type	Don't Cut *		
		Custom Join		
Opening Framing		Configuration — Predefined Layout Name: <i>Plate</i> Save to Da	atabase Duplicate Delete	

Cut Type – select top/bottom plate cutting type.

Example: when **Plate Cut Studs** is selected:



Number of Elements not to Cut

	~ V	ertical Stud Top Plate Bottom Plate Offsets	
Common Settings		Bottom Plate Bottom Pad	
	Sloped and Non-Sloped Plates are symm		
Wall Framing		CotTra-	Deck Cet
		Cut lype	Don't Cut *
		Number of Elements not Cut	1

Number of Elements not to Cut – if there is at least one bottom plate, you can cut it or leave it as a whole.



Top Cover/Bottom Pad

^	Vertical Stud Top Plate Bottom Plate Offsets
Common Settings	Top Plate Top Cover
	Sloped and Non-Sloped Plates are symmetrical
	sioped and ton sioped nates are symmetrical e
	Custom Join
	Predefined Layout Name: Ton Plate Save to Database Duplicate Delete
Opening Framing	Predemied Edyode Name. Top Plate Save to Database Dupicate Delete
	Select Layout from Database Configuration: Select v

Top/Bottom Pad will be added above/below the main frame.



Offsets



Offset - frame offsets from wall top or bottom.

