How To

This section will explain all icons in the previous section in depth

Wall module

How to draw a standard wall:

1. Start by clicking this icon



2. A menu will open where the wall properties can be changed.

🛜 Properties	—	D X
Properties		
Wall Properties		
PROFILE		
LSF Profile: 1 88.9mm - 41.15mm - 8.38mm 3508	\$162-33 ▼	
DESIGN OPTIONS		
Draw Offset (J): 2	•	
Assembly Labels: 3 false	•	
Draw Tooling Points: 4 true	•	
Line Format: 5 false	•	
Wall Cladding: 6 Osb_	board 🔻	
Wall Top Plate Height: 7 106.299 " 2700.	0 mm	
Pull Wall Height: 8 false	•	
Max Wall Length: 9 236.22 " 6000.	0 mm	
STUD OPTIONS		
Stud Spacing: 10 23.992 " 609.4	mm	
TOOLING		
Service Holes: 11 st300	st450 st1100 st2200	
GENERAL OPTIONS		
Wall Class: 12 interi	or 🔻	
Search for property		
ok ok and remember cancel		

- 1. LSF Profile: Changes Profile sizes.
- Draw Offset (J) Assigns Drawing offset (Left, Right or centre).
- **3.** Assembly Labels Enables or disables assembly Labels.

4. Draw Tooling Points

Enables or disables Tooling points for example Dimples etc.

5. Line Format

Enables or Disables Line format, 2D frame instead of 3D, visual steel, for faster generation of frames.

6. Wall Cladding Choose between the different types of Cladding for example OSB_Board, Fibre_cememt etc.

7. Wall Top Plate Height

This adjusts the height of the top plate of a wall (Height of the wall).

8. Pull Wall Height

This enables or disables the pull height function which allows the height of a wall to be dynamically selected.

9. Max Wall Length

This adjusts the maximum length a wall can be, before it splits into a new wall, for manufacturing purposes.

10. Stud Spacing

Adjusts the spacing between studs in a wall.

11. Service Holes

Adds a service hole according to users input for example st100|ng100.

12. Wall Class

Changes a walls class (Interior, Exterior, Other).

3. After adjusting properties click "ok".



if you want your setting to be saved click "ok and remember".

- First Point On Red Axis
- 4. Select the first point and second point for the wall.

5. After selecting the second point the wall will be drawn.



How to draw a gable wall:

1. Start by clicking this icon



2. A menu will open where the gable wall properties can be changed.

Gable Wall P	roperties		
DESIGN OPTIONS	1		*
LSF Profile: 1	88.9mm - 41.15mm - 8.38mm	3508162-33	
Draw Offset (J): 2		left	
Heel Height Right: 3	2700.0 mm	106.2992	
Heel Height Left: 4	2700.0 mm	106.2992	
Pull Wall Height: 5		false	•
RIDGE OPTIONS			
Roof type: 6		gable	•
Pitch (x-12): 7	14.04 deg	3	
Shift Roof Apex/Peak:	8 0.0 mm	0.0	
OVERHANG OPTIONS			
Overhang Right: 9	0.0 mm	0.0	
Overhang Left: 10	0.0 mm	0.0	
Enable Fascia: 11		leftright	•
Fascia: 12	200.0 mm	7.874	
Fascia Soffit: 13		none	•
Soffit Wall Clearance: 1	4 30.0 mm	1.1811	
TOOLING			
Draw Tooling Points: 15	5	true	•
Service Holes: 16			
GENERAL OPTIONS			
Assembly Labels: 17		false	•
Wall Class: 18		interior	•
rch for property			

- 1. LSF Profile: Changes Profile sizes.
- Draw Offset (J) Assigns Drawing offset (Left, Right or centre).
- 3. Heel height right:

Adjusts the height of the right side of the gable wall.

4. Heel height left:

Adjusts the height of the left side of the gable wall.

5. Pull Wall Height

This enables or disables the pull height function which allows a gable walls height to be dynamically selected.

6. Roof type:

Choose between the different roof types for the gable wall for example Gable or mono.

7. Pitch:

This adjusts the pitch of a Gable wall Truss.

8. Shift roof apex/peak

This shifts the apex/peak of the gable wall (negative numbers make the apex/peak move to the left and positive numbers will make it go to the right).

9. Overhang right

Adjusts overhang on the right side of the gable wall.

10. Overhang left

Adjusts overhang on the left side of the gable wall.

11. Enable fascia

Enable or disable fascia (left, right, Leftright, none).

12. Fascia

Adjusts the length of the fascia.

13. Fascia soffit

Enable or disable fascia soffit (left, right, Leftright, none).

14. Soffit wall clearance

Adjusts the distance between the soffit and the wall.

15. Draw Tooling Points

Enables or disables Tooling points for example Dimples etc.

16. Service Holes

Adds a service hole according to users input for example [st100|ng100].

17. Assembly Labels

Enables Assembly Labels (True or False).

18. Wall Class

Changes a walls class (Interior, Exterior, Other).

3. After adjusting settings click "ok".

arepsilon if you want your setting to be saved click "ok and remember".



4. Select the first point then the second point

5. After selecting the second point the wall will be drawn.





How to edit a wall:

- 1. Use SketchUp's "Select Tool" will be highlighted in blue).
- •

to select the wall that needs to be edited (the wall



3. The wall properties menu will open where the properties of the wall can be edited.

1	Properties	_		×
	Properties Advanced Properties			
	🗖 Wall Properties ————————————————————————————————————			
	PROFILE		*	
	LSF Profile: 1 88.9mm - 41.15mm - 8.38mm 350S162-33	•		
	DIMENSIONS			
	Wall Top Plate Height: 2 106.299 " 2700.0 mm			
	Pull Wall Height: 3 false	•		
	STUD OPTIONS			
	Stud Spacing: 4 23.622 " 600.0 mm			
	Studs Even: 5 false	•		
	First Stud Adjust Position: 6 0.0 "			
	Last Stud Adjust Position: 7 0.0 "			
	Back to Back Studs: 8 faise	•		
	Stud Spacing On Center: 9 true	•		
	Frame End Stud+1: 10 none	•		
	Frame End Stud+1 Offset: 11 ^{5.906} " 150.0 mm			
	NOG OPTIONS			
	Stagger Nogging: 12 false	•		
	Noggings Stagger Spacing: 1.626 " 13 41.3 mm			
	First Nog : 14 53.15 " 1350.0 mm			
	Nog Spacing: 15 53.15 " 1350.0 mm			
	Stick Frame Noggings Style: 16 c_noggin_1	•		
	Stick Frame U Nog Fold Up: 0.0 " 17 0.0 mm			
	Stick Frame Noggings Tie: 9.843 " 18 250.0 mm			
	TOOLING			
	Draw Tooling Points: 19 true	•		
	Mitre/Chamfer Ends: 20 true	•		
	Hold Down Spacing: 21 0.0 " 0.0 mm			
	Bolt Hole Spacing: 22 0.0 "			
	Service Holes: 23			
	Frame End Web Holes: 24 st500*			

GENERAL OPTIONS				
Assembly Labels: 25	false	•		
Wall Class: 26	interior	•		
Wall Trace Label Size: 27	1	•	-	
Search for property				

- 1. LSF profile: Changes the steel profile used.
- 2. Wall top plate height

Adjusts the walls top plate height (Height of wall).

3. Pull wall height:

This enables or disables the pull height function which allows the height of the wall to be dynamically selected.

- 4. Stud spacing Adjusts spacing between studs in a wall.
- 5. Studs even Enable or disable even studs in a wall.
- **6. First stud adjust position:** Adjusts the position of the first stud.
- **7.** Last stud adjust position Adjusts the position of the last stud.
- 8. Back-to-back studs Enables or disables back-to-back studs.
- **9.** Stud spacing on centre Spaces studs from the start of a wall to the centre of studs.
- **10. Frame end stud+1** Adds extra studs at the end of the frame.

- **11. Frame end stud+1 offset:** Adjusts the offset or size of the extra stud.
- **12. Stagger nogging** Enables or disables stagger nogging.
- **13. Noggings stagger spacing** Adjusts the spacing between staggered nogs.
- **14. First nog** Adjusts the height of the first nog.
- **15. Nog spacing** Adjusts spacing between nogs.
- **16. Stick frame nogging style:** Changes the nogging style on a stick frame.
- 17. Stick frame U nog fold up: `Shows cut and fold up of nogging ends on a stick frame.
- **18. Stick frame nogging tie:** Adds fixing points for connecting nogs to studs.
- **19. Draw tooling points:** Enables or disables tooling points for example Dimples etc.
- **20. Mitre/chamfer ends:77** Mitres a brace profile ends.
- **21. Hold down spacing** Adjusts spacing between hold down points on a frame.
- **22. Bolt hole spacing** Adjusts spacing between bolt holes on a frame.
- **23.** Service holes Adds a service hole according to users input for example st100|ng100.
- **24. Frame end web holes** Adds a frame end web holes according to user's input.
- 25. Assembly labels Enables Assembly Labels (True or False).
- 26. Wall class Changes a wall class (Interior, Exterior, Other)

27. Wall trace label sizes

Adjusts the size of the wall trace labels when tracing.

Properties				—		×
Properties Advance	d Properties					
Advanced Wal	l Propertie	es —				
DESIGN OPTIONS					*	
Line Format: 1			false	•		
TOOLING						
Top Track Connection: 2			dimple	•		
CLEARANCES						
Edge Clearance: 3	0.079 "		2.0 mm			
Adjacent Clearance: 4	0.039 "		1.0 mm			
Chamfered End Clearance: 5	0.118 "		3.0 mm			
Brace Start End: 6	0.787 "		20.0 mm			
SPECIAL SPLIT FRAME OPTIC	ONS					
Split Frame: 7			false	•		
Split Height: 8	7.874 "		200.0 mm			
Split Side 1 Overlap: 9	0.0 "		0.0 mm			
Split Side 2 Overlap: 10	0.0 "		0.0 mm			
Split Top Overlap: 11	0.0 "		0.0 mm			
Split Stud Top Clearance: 12	0.0 "		0.0 mm			
Split Stud Ext Top Clearance:	0.0 " ₁₃		0.0 mm			
SPECIAL STICK FRAME OPTI	ONS					
Stick Frame Configuration:	14		false	•	-	
Search for property						
ok cancel						1

1. line format

Enables or disables line format instead of the visual steel.

2. Top track connection

Enables slots instead of dimples which allow for slight adjustments to a frame when assembling.

3. Edge clearance

Increases or decreases the clearance to the edge of a profile.

4. Adjacent clearance

Adjusts the adjacent clearance on a wall.

5. Chamfered end clearance Adjusts clearance of chamfered profiles on a wall.

- 6. Brace start end
- **7. Split frame** Enables or disables the split frame function.
- 8. Split height Adjusts the length of the split height.

9. Split side 1 overlap: Adjusts the length of the overlap on side 1.

10. Split side 2 overlap: Adjusts the length of the overlap on side 2.

11. Split top overlap

Adjusts the height of the top overlap on the frame.

12. Split stud top clearance

Adjust the clearance between the studs and the split.

13. Split stud Ext top clearance

Adjusts the clearance of the stud extensions and the frame.

14. Stick frame configuration

Enables or disables the stick frame configuration which removes all tooling etc.

To resize a wall:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



2. To resize a wall, start by clicking this icon



3. To adjust the height of a frame hover over the top corners of the frame, which will be highlighted in yellow and green



4. To adjust the length or rotate a frame hover over the bottom corners of the frame, which will be highlighted in yellow and green.







To reposition a Window, Door, Brace:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



2. To reposition a window opening, door opening or brace, start by clicking this icon





3. Select Wall, Window or Brace to reposition.



To redraw a wall:

1. Use SketchUp's "Select Tool" be highlighted in blue).

to select the wall that needs to be edited (the wall will



1. To redraw a wall, click on this icon



To rotate a component:

1. Use SketchUp's "Select Tool" be highlighted in blue).



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2. To rotate a component within a wall, click on this icon



3. Then select the component.



To Delete a component:

1. Use SketchUp's "Select Tool" be highlighted in blue).

to select the wall that needs to be edited (the wall will



1. To delete a component, click on this icon



2. Hover over a component that needs to be deleted (such as Window, Door, Brace, Stud or Nog) the component will be highlighted in red. Select the component then click "Yes" on the pop-up message to confirm.





How to add a window opening configuration:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



2. To add a window opening configuration to a selected wall, click this icon



3. A menu will open where window properties can be changed.

operties			—	
roperties				
Window Properties	s —			
DESIGN OPTIONS				*
Draw Offset (J): 1		left	•	
Finishing Material:2		aluminium	•	
Header Type: <mark>3</mark>		warren	•	
Header Top Chord Height: 4	106.299 "	2700.0 mm		
Header Bottom Chord Height: 5	82.677 "	2100.0 mm		
Enable Jack Stud Configuration: 6		true	•	
Qty King Studs: 7		1.0		
Width: 8	47.244 "	1200.0 mm		
Height: 9	59.055 "	1500.0 mm		
Pull Height: 10		false	•	
DESIGN OPTIONS				
Stick Frame Header Beam LGS 11 Profile:	152.4mm - 41.15mm - 13.72mm	600S162-54	Ŧ	
CLEARANCES				
Header Web Space: 12	5.906 "	150.0 mm		
Header Web Offset: 13	0.197 "	5.0 mm		
Header Web Configuration Start14 End:	0.315 "	8.0 mm		
Header Chord End: 15	0.079 "	2.0 mm		
King Stud Adjacent Clearance: 16	0.02 "	0.5 mm		
SPECIAL STICK FRAME OPTIONS				
Stick Frame Sill Fold Up: 17	0.0 "	0.0 mm		
Stick Frame Bottom Header Fold 18 Up:	0.0 "	0.0 mm		Ŧ
irch for property				
ok ok and remember c	ancel			

- 1. Draw Offset (J): Changes the Offset (Left, Right, Centre).
- **2. Finishing Material:** Changes the Finishing Material of the window (aluminium, wood).
- **3.** Header Type: Changes the header type (Howe, Pratt, Warren, Warren Vertical, Verticals, None).
- 4. Header Top Chord Height: Adjusts the top chord of the windows header.
- 5. Header Bottom Chord Height: Adjusts the bottom chord of the windows header.
- 6. Enable Jack Stud Configuration: Enables or disables jack stud configuration.
- Qty King Studs: Changes the number of king studs.
- 8. Width: Adjusts the width of the window.
- **9. Height** Adjusts the height of the window.
- 10. Pull Height

This enables or disables the pull height function which allows the height of the wall to be dynamically selected.

11. Stick Frame Header Beam LGS Profile:

Changes the stick frame header profiles.

12. Header Web Space:

Adjust web spacing in the windows header

13. Header Web Offset:

Changes the window opening header web offset.

- **14. Header Web Configuration Start End:** Changes the window opening header web configuration size from start to end.
- 15. Header Chord End:

Changes the size of the window openings header chord end.

16. King Stud Adjacent clearance:

Adjusts the king stud adjacent clearance on a window opening.

17. Stick Frame Sill Fold Up:

Adjust the size of the fold up on the sill of a window opening on a stick frame.

18. Stick Frame Bottom Header Fold Up:

Adjust the size of the fold up on the bottom header chord of a window opening on a stick frame.

- 4. Select the place/point on the wall where the window should go

How to Edit a Window:

 Use SketchUp's "Select Tool" be highlighted in blue). to select the wall that needs to be edited (the wall will



k-

2. To edit a window opening configuration, click this icon



3. Select the window that needs to be edited.



4. A properties menu will open where the window openings properties can be changes.

roperties				
Window Propertie	s ———			
DESIGN OPTIONS				*
Draw Offset (J): 1		left	•	
Finishing Material:2		aluminium	•	
Header Type: 3		warren	•	
Header Top Chord Height: 4	106.299 "	2700.0 mm		
Header Bottom Chord Height: 5	82.677 "	2100.0 mm		
Enable Jack Stud Configuration: 6		true	•	
Qty King Studs: 7		1.0		
Width: 8	47.244 "	1200.0 mm		
Height: 9	59.055 "	1500.0 mm		
Pull Height: 10		false	•	
DESIGN OPTIONS				
Stick Frame Header Beam LGS 11	152.4mm - 41.15mm - 13.72mm	600S162-54	•	
CLEARANCES				
Header Web Space: 12	5.906 "	150.0 mm		
Header Web Offset: 13	0.197 "	5.0 mm		
Header Web Configuration Start14	0.315 "	8.0 mm		
Header Chord End: 15	0.079 "	2.0 mm		
King Stud Adjacent Clearance: 16	0.02 "	0.5 mm		
SPECIAL STICK FRAME OPTIONS				
Stick Frame Sill Fold Up: 17	0.0 "	0.0 mm		
Stick Frame Bottom Header Fold 18	0.0 "	0.0 mm		
op:				-
ch for property				_
k ok and remember c	ancel			

- 1. Draw Offset (J): Changes the Offset (Left, Right, Centre).
- **2. Finishing Material:** Changes the Finishing Material of the window (aluminium, wood).
- **3. Header Type:** Changes the header type (Howe, Pratt, Warren, Warren_Vertical, Verticals, None).
- **4. Header Top Chord Height:** Adjusts the top chord of the windows header.
- 5. Header Bottom Chord Height: Adjusts the bottom chord of the windows header.
- 6. Enable Jack Stud Configuration: Enables or disables jack stud configuration.
- Qty King Studs: Changes the number of king studs.
- 8. Width: Adjusts the width of the window.
- **9. Height** Adjusts the height of the window.
- 10. Pull Height

This enables or disables the pull height function which allows the height of the wall to be dynamically selected.

- **11. Stick Frame Header Beam LGS Profile:** Changes the stick frame header profiles.
- **12. Header Web Space:** Adjust web spacing in the windows header
- **13. Header Web Offset:** Changes the window opening header web offset.
- **14. Header Web Configuration Start End:** Changes the window opening header web configuration size from start to end.

15. Header Chord End:

Changes the size of the window openings header chord end.

16. King Stud Adjacent clearance:

Adjusts the king stud adjacent clearance on a window opening.

17. Stick Frame Sill Fold Up:

Adjust the size of the fold up on the sill of a window opening on a stick frame.

18. Stick Frame Bottom Header Fold Up:

Adjust the size of the fold up on the bottom header chord of a window opening on a stick frame.

How to move a window in a wall:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



3. Select the window that needs to be moved (the window will be highlighted in red when hovered over)



4. Move the window




How to change windows default settings:

1. Start by clicking this icon



2. A menu will open where all default/global properties can be changed.

operties			-	
Properties				
- Windows Tool Prope	erties ———			
DESIGN OPTIONS				*
Draw Offset: 1		left	•	
Header Type: 2		warren	•	
Header Top Chord Height: 3	110.236"	2800.0mm		
Header Bottom Chord Height: 4	82.677"	2100.0mm		
Stick Frame Header Bottom Chord 5 Fold Up:	0.0"	0.0mm		
Stick Frame Sill Fold Up: 6	0.0"	0.0mm		
Finishing Material: 7		aluminium	•	
Enable Jack Stud Configuration: 8		true	•	
Qty King Studs: 9		1.0		
Width: 10	47.244"	1200.0mm		
Height: 11	59.055"	1500.0mm		
Pull Height: 12		false	•	
DESIGN OPTIONS				
Stick Frame Header Beam LGS Profile: ¹	3 152.4mm-41.15mm-13.72mm	600S162-54	•	
CLEARANCES				
Header Web Space: 14	5.906"	150.0mm		
Header Brace Chord Clearance:15	-0.157"	-4.0mm		
Header Web Offset: 16	0.197"	5.0mm		
Header Web Configuration Start End:1	7 0.315"	8.0mm		
Header Chord End: 18	0.079"	2.0mm		
King Stud Adjacent Clearance: 19	0.02"	0.5mm		~
arch for property				
irch for property				
ok cancel				8888

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An in-depth explanation of the menu:

1. Draw Offset

Changes the default Offset on a window opening (Left, Right, Centre).

2. Header Type Change the header type (Howe, Pratt, Warren, Warren Vertical, Verticals, None).

3. Header Top Chord Height

Changes the window opening default top header chord height.

4. Header Bottom Chord Height

Changes the window opening default bottom header chord height.

5. Stick Frame Header Bottom Chord Fold Up

Adjust the default size of the fold up on the bottom header chord of a window opening on a stick frame.

6. Stick Frame Sill Fold Up

Adjust the default size of the fold up on the sill of a window opening on a stick frame.

7. Finishing Material

Changes the default finishing material of a window opening (e.g., aluminium, wood).

8. Enable Jack Stud Configuration Enable or disables jack stud configuration on a window opening.

9. Qty King Studs

Changes the default quantity of king studs in a window opening.

10. Width

Changes the default Width of a window opening.

11. Height

Changes the default height of a window opening.

12. Pull Height

Makes the feature that dynamically allows you to select the height of an object, default.

13. Stick Frame Header Beam LGS Profile

Changes the default beam profile of a window opening in a stick frame.

14. Header Web Space

Changes the default web spacing in the window openings header.

15. Header Brace Chord Clearance

Changes default chord clearance for a brace in a window openings header.

16. Header Web Offset

Changes default web offset in a window openings header.

17. Header Web Configuration Start End

Changes the default window opening header web configuration size from start to end.

18. Header Chord End

Changes the default size of the window opening header chord end.

19. King Stud Adjacent Clearance

Adjusts the default king stud adjacent clearance on a window opening.

How to add a Door:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



2. To add a Door to a selected wall, click this icon



3. A menu will open where window properties can be changed

Door Properties DESIGN OPTIONS Draw Offset (J): 1 Bottom Plate Cutouts: 2 Material: 3 Header Type: 4 Header Type: 4 Header Type: 4 Header Top Chord Height: 5 106 299" 2700.0 mm Header Type: 4 Header Top Chord Height: 6 92677" 2100.0 mm Header Stud Configuration: 7 true Qty King Stud: 8 10 Width: 9 35.433" 900.0 mm Pull Height: 10 Top ESIGN OPTIONS Stick Frame Header Beam LGS 11 152 4mm - 41.15mm - 13.72mm Pools 12: Stick Frame Header Beam LGS 11 152 4mm - 41.15mm - 13.72mm Pools 12: Design OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm FLOOR PLAN OPTIONS Stick Frame Header Beam LGS 11 152 4mm - 41.15mm - 13.72mm Profile: Design OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm FLOOR PLAN OPTIONS Invert Door Symbol (D): 13 noor Symbol Sign (2): 14 Guerrer Web Space: 15 11.811" Header Web Configuration Start 17.0,315" Edit Mater Web Offset: 16 0.197" So mm Header Web Configuration Start 17.0,315" Edit King Stud Adjacent Clearance: 18 0.0 mm Up:	operties		-	
Door Properties DESIGN OPTIONS Draw Offset ()): 1 left Bottom Plate Cutouts: 2 true Material: 3 aluminium Header Type: 4 warren Header Top Chord Height: 5 106.299° Header Top Chord Height: 6 82.677° Itue (Integration) Header Sottom Chord Height: 6 82.677° Chy King Studs: 8 1.0 Width: 9 35.433° Pull Height: 10 false DESIGN OPTIONS 1.0 Stick Frame Header Beam LGS 11 DESIGN OPTIONS 5 Stick Frame Header Beam LGS 11 Design OPTIONS STICK FRAME 60005162-54 Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 6005162-54 Poor Symbol Chy: 13 inside_left 9 Invert Door Symbol Chy: 13 inside_left 9 CLEARANCES 11.811° 300.0 mm Header Web Configuration Start 17.0.315° 8.0 mm 9 King Stud Adjacent Clearance: 18 0.02° 0.5 mm 9 SpecLAL STICK FRAME OPTIONS	roperties			
DESIGN OPTIONS Draw Offset (J): 1 ieft Bottom Plate Cutouts: 2 true Material: 3 aluminium Header Type: 4 warren Header Type: 4 warren Header Top Chord Height: 5 106 299 " Header Top Chord Height: 6 82.677 " Leader Bottom Chord Height: 6 82.677 " Enable Jack Stud Configuration: 7 true Qty King Studs: 8 1.0 Width: 9 35.433 " 900.0 mm 900.0 mm Pull Height: 10 false DESIGN OPTIONS false Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 Poll Height: 10 false • DESIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • FLOOR PLAN OPTIONS inside_left • Stick Frame Header Beam LGS 11.811 * 300.0 mm • Header Web Oorfiguration Start 170.315 * 8.0 mm • Header Web Configuration Start 170.315 * 8.0 mm •	Door Properties			
Draw Offset (J): 1 left Bottom Plate Cutouts: 2 true Material: 3 aluminium Header Type: 4 warren Header Top Chord Height: 5 106.299" Z700.0 mm Header Bottom Chord Height: 6 82.677" 2100.0 mm Enable Jack Stud Configuration: 7 true Qty King Studs: 8 10 Width: 9 35.433" 900.0 mm Pull Height: 10 false DESIGN OPTIONS Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 • PESIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • PUI Height: 10 false DESIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • PUI Height: 12 152.4mm - 41.15mm - 13.72mm fLOOR PLAN OPTIONS Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm fLOOR PLAN OPTIONS Invert Door Symbol (D): 13 Invert Door Symbol (D): 13 Invert Door Symbol Sign (2): 14 CLEARANCES Header Web Space: 15 11.811" Bod omm Header Web Configuration Start 170.315" End: King Stud Adjacent Clearance: 18 0.02" 0.0 mm Stick Frame Bottom Header Foid 190.0" Up:	DESIGN OPTIONS			-
Bottom Plate Cutouts: 2 true Material: 3 aluminium Header Type: 4 warren Header Top Chord Height: 5 106.299" Header Top Chord Height: 6 82.677" Leader Bottom Chord Height: 6 82.677" Leader Bottom Chord Height: 6 82.677" Leader Jop Chord Height: 7 true Reader Bottom Chord Height: 6 82.677" Qty King Studs: 8 1.0 Width: 9 35.433" 900.0 mm 901.0 mm Pull Height: 10 false DESIGN OPTIONS 600S162-54 Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 Poffile: 600S162-54 DeSIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 FLOOR PLAN OPTIONS Invert Door Symbol (D): 13 inside_left Door Symbol Sign (2): 14 single Header Web Space: 15 11.811" Header Web Configuration Start 170.315" 8.0 mm Header Web Configuration Start 170.315" 8.0 mm Endition Theader Fold 190.0" <t< td=""><td>Draw Offset (J): 1</td><td>left</td><td>•</td><td></td></t<>	Draw Offset (J): 1	left	•	
Material: 3 aluminium • Header Type: 4 warren • Header Top Chord Height: 5 106.299 " 2700.0 mm Header Bottom Chord Height: 6 82.677 " 2100.0 mm Header Bottom Chord Height: 6 82.677 " 2100.0 mm Header Stud Configuration: 7 True • Qty King Studs: 8 10 9 Width: 9 35.433 " 900.0 mm Pull Height: 10 false • DESIGN OPTIONS 5 • • Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 • DESIGN OPTIONS 5 • • • • Buder Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • FLOOR PLAN OPTIONS 11 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • Invert Door Symbol (D): 13 inside_left • • Door Symbol Sign (2): 14 singile • Header Web	Bottom Plate Cutouts: 2	true	•	
Header Type: 4 warren Header Top Chord Height: 5 106.299 " 2700.0 mm Header Bottom Chord Height: 6 82.677 " 2100.0 mm Enable Jack Stud Configuration: 7 rue • Qty King Studs: 8 1.0 900.0 mm Width: 9 35.433 " 900.0 mm Pull Height: 10 false • DESIGN OPTIONS 5 1 Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 6008162-54 • PESIGN OPTIONS STICK FRAME • Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 6008162-54 • FLOOR PLAN OPTIONS inside_left • • Invert Door Symbol (D): 13 inside_left • Door Symbol Sign (2): 14 single • Header Web Space: 15 11.811 " 300.0 mm • Header Web Configuration Start 170.315 " 8.0 mm • • King Stud Adjacent Clearance: 18 0.0 2 " 0.5 mm • • SPECIAL STICK FRAME OPTIONS 0.0 mm • • <td< td=""><td>Material: 3</td><td>aluminium</td><td>•</td><td></td></td<>	Material: 3	aluminium	•	
Header Top Chord Height: 5 106.299 " 2700.0 mm Header Bottom Chord Height: 6 82.677 " 2100.0 mm Enable Jack Stud Configuration: 7 true • Qty King Studs: 8 1.0 900.0 mm Width: 9 35.433 " 900.0 mm Pull Height: 10 false • DESIGN OPTIONS 500 mm 900.0 mm • Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 • DESIGN OPTIONS STICK FRAME 600S162-54 • • Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • PLOOR PLAN OPTIONS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 • Invert Door Symbol (D): 13 inside_left • Door Symbol Sign (2): 14 single • CLEARANCES 11.811 " 300.0 mm • Header Web Offset: 16 0.197 " 5.0 mm • Header Web Configuration Start 17.0.315 " 8.0 mm • •	Header Type: 4	warren	٠	
Header Bottom Chord Height: 82 677 " 2100.0 mm Enable Jack Stud Configuration: 7 true • Qty King Studs: 8 1.0 • Width: 9 35.433 " 900.0 mm Pull Height: 10 false • DESIGN OPTIONS false • Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 • Pull Height: 10 152.4mm - 41.15mm - 13.72mm 600S162-54 • PESIGN OPTIONS STICK FRAME 600S162-54 • • Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • FLOOR PLAN OPTIONS Tick Frame inside_left • FLOOR PLAN OPTIONS 13 inside_left • Door Symbol (D): 13 inside_left • CLEARANCES * * * Header Web Space: 15 11.811 " 300.0 mm Header Web Configuration Start 17 0.315 " 8.0 mm * King Stud Adjacent Clearance: 18 0.0 mm *	Header Top Chord Height: 5 106.299 "	2700.0 mm		
Enable Jack Stud Configuration: 7 true Qty King Studs: 8 1.0 Width: 9 35.433 " 900.0 mm Pull Height: 10 false • DESIGN OPTIONS false • Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S 162-54 • DESIGN OPTIONS STICK FRAME 600S 162-54 • Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S 162-54 • FLOOR PLAN OPTIONS 12 152.4mm - 41.15mm - 13.72mm 600S 162-54 • Invert Door Symbol (D): 13 inside_left • • • Door Symbol Sign (2): 14 single • • • CLEARANCES 11.811 " 300.0 mm • • • Header Web Space: 15 11.811 " 300.0 mm • <td< td=""><td>Header Bottom Chord Height: 6 82.677 "</td><td>2100.0 mm</td><td></td><td></td></td<>	Header Bottom Chord Height: 6 82.677 "	2100.0 mm		
Qty King Studs: 8 1.0 Width: 9 35.433 " 900.0 mm Pull Height: 10 false • DESIGN OPTIONS - - Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 • DESIGN OPTIONS - - - - - DESIGN OPTIONS STICK FRAME - - - - - Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • - FLOOR PLAN OPTIONS - <	Enable Jack Stud Configuration: 7	true	٠	
Width: 9 35.433 " 900.0 mm Pull Height: 10 false • DESIGN OPTIONS - - - Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 • DESIGN OPTIONS - - - - - DESIGN OPTIONS STICK FRAME - - - - - Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 • FLOOR PLAN OPTIONS - - - - - Invert Door Symbol (D): 13 Inside_left • - <td>Qty King Studs: 8</td> <td>1.0</td> <td></td> <td></td>	Qty King Studs: 8	1.0		
Pull Height: 10 false DESIGN OPTIONS Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 Profile: DESIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 FLOOR PLAN OPTIONS Invert Door Symbol (D): 13 inside_left Door Symbol Sign (2): 14 single CLEARANCES Header Web Space: 15 11.811" Header Web Configuration Start 17 0.315" 8.0 mm Inig Stud Adjacent Clearance: 18 0.02" 0.5 mm SpecIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0" 0.0 mm Up:	Width: 9 35.433 "	900.0 mm		
DESIGN OPTIONS Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 Profile: DESIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 FLOOR PLAN OPTIONS Invert Door Symbol (D): 13 600S162-54 Invert Symbol (D): 14 600S162-54 Invert Symbol (D): 15 600S15 Invert Sym	Pull Height: 10	false	•	
Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm 600S162-54 Porofile: DESIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 FLOOR PLAN OPTIONS Invert Door Symbol (D): 13 inside_left poor Symbol Sign (2): 14 single CLEARANCES Header Web Space: 15 11.811" 300.0 mm Header Web Offset: 16 0.197" 5.0 mm Header Web Configuration Start 17 0.315" 8.0 mm Gustader Clearance: 18 0.02" 0.5 mm SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0" 0.0 mm The for property Ch for property Ch	DESIGN OPTIONS			
DESIGN OPTIONS STICK FRAME Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 FLOOR PLAN OPTIONS Invert Door Symbol (D): 13 Invert Door Symbol Sign (2): 14 Door Symbol Sign (2): 14 CLEARANCES Header Web Space: 15 Header Web Offset: 16 0.197" 5.0 mm Header Web Configuration Start 170.315" End: 0.5 mm King Stud Adjacent Clearance: 18 0.02 " 0.5 mm SPECIAL STICK FRAME OPTIONS	Stick Frame Header Beam LGS 11 152.4mm - 41.15mm - 13.72mm Profile:	600S162-54	•	
Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm 600S162-54 Image: Constrained and the state of the	DESIGN OPTIONS STICK FRAME			
FLOOR PLAN OPTIONS Invert Door Symbol (D): 13 noor Symbol Sign (2): 14 single CLEARANCES Header Web Space: 15 11.811 " 300.0 mm Header Web Offset: 16 0.197 " 5.0 mm Header Web Configuration Start 17 0.315 " 8.0 mm King Stud Adjacent Clearance: 18 0.02 " 0.5 mm Stick Frame Bottom Header Fold 190.0 " 0.0 mm	Header Bottom Chord Height: 12 152.4mm - 41.15mm - 13.72mm	600S162-54	٠	
Invert Door Symbol (D): 13 inside_left • Door Symbol Sign (2): 14 single • CLEARANCES Header Web Space: 15 11.811 * Header Web Offset: 16 0.197 * Header Web Configuration Start 17 0.315 * End: King Stud Adjacent Clearance: 18 0.02 * SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0 * Up:	FLOOR PLAN OPTIONS			
Door Symbol Sign (2): 14 single CLEARANCES Header Web Space: 15 11.811 Good mm Header Web Offset: 16 0.197 Good mm Header Web Configuration Start 17 0.315 Header Web Configuration Start 17 0.31	Invert Door Symbol (D): 13	inside_left	٠	
CLEARANCES Header Web Space: 15 11.811" Header Web Offset: 16 0.197" 1 5.0 mm Header Web Configuration Start 17 0.315 " 8.0 mm End: 0.5 mm King Stud Adjacent Clearance: 18 0.02 " SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0" 0.0 mm up: 0.0 mm	Door Symbol Sign (2): 14	single	•	
Header Web Space: 15 11.811" 300.0 mm Header Web Offset: 16 0.197 " 5.0 mm Header Web Configuration Start 17 0.315 " 8.0 mm 8.0 mm King Stud Adjacent Clearance: 18 0.02 " 0.5 mm SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0 " 0.0 mm up: 0.0 mm -	CLEARANCES			
Header Web Offset: 16 0.197 " 5.0 mm Header Web Configuration Start 17 0.315 " 8.0 mm End: 0.5 mm 0.5 mm SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0 " O.0 mm	Header Web Space: 15 11.811 "	300.0 mm		
Header Web Configuration Start 17 0.315 " End: King Stud Adjacent Clearance: 18 0.02 " 0.5 mm SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0 " Up: Ch for property	Header Web Offset: 16 0.197 "	5.0 mm		
King Stud Adjacent Clearance: 18 0.02 " 0.5 mm SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0 " Up: ch for property	Header Web Configuration Start 17 _{0.315} " End:	8.0 mm		
SPECIAL STICK FRAME OPTIONS Stick Frame Bottom Header Fold 190.0 " Up: Ch for property	King Stud Adjacent Clearance: 18 0.02 "	0.5 mm		
Stick Frame Bottom Header Fold 190.0 " Up: Ch for property	SPECIAL STICK FRAME OPTIONS			
ich for property	Stick Frame Bottom Header Fold <u>190.0</u> " Up:	0.0 mm		Ŧ
	rch for property			
k ok and remember cancer	k ok and remember cancel			

An in-depth explanation of the menu:

- 1. Draw Offset (J); Changes the Offset (Left, Right, Centre)
- 2. Bottom Plate Cutouts:
- Material: Change the Finishing Material of the door (aluminium, wood).
- **4. Header Type:** Change the header type (Howe, Pratt, Warren, Warren_Vertical, Verticals, None).
- 5. Header Top Chord Height: Changes the door opening top header chord height.
- 6. Header Bottom Chord Height: Changes the window opening default bottom header chord height.
- Enable Jack Stud Configuration: Enable or disables jack stud configuration on a door opening.
- 8. Qty King Studs: Changes the quantity of King studs in a door opening
- **9. Width:** Adjusts the width of the door.
- **10. Pull Height:** Enables or disables the option to dynamically select the height for an object.
- **11. Stick Frame Header Beam LGS Profile:** Changes the beam profile of a door opening in a stick frame.
- **12. Header Bottom Chord Height:** Changes the door opening bottom header chord height.
- 13. Invert Door Symbol (D):Changes the door symbol orientation. (the keyboard shortcut d can also be used)
- 14. Door Symbol Sign (2):Changes the door symbol single or double. (the keyboard shortcut 2 can also be used)
- **15. Header Web Space:** Adjust web spacing in the door's header
- **16. Header Web Offset:** Changes web offset in a door openings header.

17. Header Web Configuration Start End:

Changes the door opening header web configuration size from start to end.

18. King Stud Adjacent Clearance:

Adjusts the king stud adjacent clearance on a door opening.

19. Stick Frame Bottom Header Fold Up:

Adjust the size of the fold up on the bottom header chord of a door opening on a stick frame.

3. Select the place/point on the wall where the Door should go:



How to edit a Door:

1. Use SketchUp's "Select Tool" will be highlighted in blue).

•

to select the wall that needs to be edited (the wall



2. To edit a door, click this icon



3. Select the door that needs to be edited



4. A properties menu like the one previously will open (See Page 75-76)

How to move a Door in a wall:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



2. To move a Door, click this icon



3. Select the Door that needs to be moved (the door opening will be highlighted in red when hovered over)



How to change Door default/global settings:

1. Start by clicking this icon



2. A menu will open where all default/global properties can be changed

Topenies			
- Door Tool Properties	5		
DESIGN OPTIONS			í
Draw Offset: 1		left 🔹	
Finishing Material: 2		aluminium 🔻	
Bottom Plate Cutouts: 3		true 🔹	
Header Type: 4		warren 🔻	
Header Top Chord Height: 5	106.299"	2700.0mm	
Header Bottom Chord Height: 6	82.677"	2100.0mm	
Stick Frame Header Bottom Chord 7 Fold Up:	0.0"	0.0mm]
Enable Jack Stud Configuration: 8		true 🔹	
Qty King Studs: 9		1.0]
Width: 10	35.433"	900.0mm]
Pull Height: 11		false 🔹	
DESIGN OPTIONS			
Stick Frame Header Beam LGS Profile: 1	152.4mm-41.15mm-13.72mm	600S162-54 •	
CLEARANCES			
Header Web Space: 13	11.811"	300.0mm]
Header Brace Chord Clearance: 14	0.0"	0.0mm	
Header Web Offset: 15	0.197"	5.0mm	
Header Web Configuration Start End: 1	₆ 0.315"	8.0mm]
Header Chord End: 17	0.079"	2.0mm	
King Stud Adjacent Clearance: 18	0.02"	0.5mm]
arch for property			

- 1. Draw offset(J) Changes the Offset (Left, Right, Centre)
- **2. Finishing material** Change the Finishing Material of the door (aluminium, wood).
- 3. Bottom plate Cutouts
- **4. Header type** Change the header type (Howe, Pratt, Warren, Warren_Vertical, Verticals, None)

5. Header top chord height

Changes the door opening top header chord height.

6. Header bottom chord height Changes the window opening default bottom header chord height.

7. Stick frame header bottom chord fold up

Adjust the size of the fold up on the bottom header chord of a door opening on a stick frame.

8. Enable jack stud configuration

Enable or disables jack stud configuration on a door opening.

9. Qty king stud

Changes the quantity of King studs in a door opening

10. Width

Adjusts the width of the door.

11. Pull height

Enables or disables the option to dynamically select the height for an object.

12. Stick frame header beam LGS profile

Changes the beam profile of a door opening in a stick frame.

13. Header web space

Adjust web spacing in the door's header

14. Header brace chord clearance

Adjusts the header brace clearance of a door opening

15. Header web offset Changes web offset in a door openings header.

16. Header web configuration start end Changes the door opening header web configuration size from start to end.

- 17. Header chord end
- 18. King stud adjacent clearance

Adjusts the king stud adjacent clearance on a door opening.

How to add a pocket in a wall:

- 1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).
- 2. To add a pocket in a wall, click this icon



3. A properties menu will open to edit pocket properties.

Properties	—		×
Properties			
Pocket Properties			7
DESIGN OPTIONS			
Draw Offset (J): 1 center		•	
Pocket Height: 2 94.488 " 2400.0 mm			
Enable Jack Stud Configuration: 3 true		•	
Qty Jack Studs: 4 1		•	
Qty King Studs: 5			
Width: 6 3.543 " 90.0 mm			
Pull Height: 7 false		•	
CLEARANCES			
King Stud Adjacent Clearance: 8 0.02 " 0.5 mm			
Search for property			
Search for property			P
ok ok and remember cancel		8888	ł

An in-depth explanation of the menu:

- 1. Draw offset Changes the Offset (Left, Right, Centre)
- **2. Pocket height** Adjusts the height of the pocket in the wall
- **3. Enable jack stud configuration** Enable or disables jack stud configuration on the wall pocket
- 4. Qty jack studs Changes the number of jack studs
- 5. Qty king studs Changes the number of king studs
- **6. Width** Adjusts the width of the wall pocket
- Pull height Enables or disables the option to dynamically select the height for an object.
- 8. King stud adjacent clearance Adjusts the king stud adjacent clearance.
- 4. Select the position on the wall where the pocket should go





How to edit a wall pocket:

1. Use SketchUp's "Select Tool" be highlighted in blue).

to select the wall that needs to be edited (the wall will



2. To edit a pocket in a wall, click this icon



3. Select the pocket to edit.



4. A properties menu will appear where the pocket properties can be changed (see page: 83)

How to Move a wall pocket:

1. Use SketchUp's "Select Tool" be highlighted in blue).

to select the wall that needs to be edited (the wall will



- 2. To Move a pocket in a wall, click this icon
- 3. Select the pocket to move.



4. Move the wall pocket to the desired position





How to change wall pocket default settings:

1. To Edit the default settings, click on this icon:



2. A Properties menu will appear (see pages 83)

How to add a lateral brace in a wall:

- 1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).
- 2. To add a lateral brace, click on this icon:



3. A properties menu will appear:

	×
Properties	
Internal Brace Properties	
DESIGN OPTIONS	
Lateral Bracing: 1 plate_to_stud v	
Mitre End Tool: 2 true 🔻	
Max No. of Braces: 3	
Brace Spacing: 4 0.0 " 0.0 mm	
CLEARANCES	
Brace Start End: 5 0.787 " 20.0 mm	
	10
ok ok and remember cancel	

- 1. Lateral bracing Changes the type of lateral brace, for example: plate_to_stud, stud_to_stud.
- 2. Mitre end tool Enables or disables the mitre end tool for profiles.
- **3.** Max no. of braces Sets the maximum number of braces.
- **4. Brace spacing** Adjusts the spacing between braces.
- 5. Brace start end
- 4. Select the position for the brace to go:





How to edit a lateral brace in a wall:

1. Use SketchUp's "Select Tool" be highlighted in blue).

to select the wall that needs to be edited (the wall will



1. To edit a lateral brace, click on this icon:



2. Select the brace that needs to be edited



3. A properties menu will appear (see page: 89)

How to add a stud to a wall:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



2. To add a stud, click on this icon:



- 3. A properties menu will appear where the offset justification can be changed. (Left, right or centre)
- 4. Select the position on the wall for the stud to go:



How to add a nog to a wall:

1. Use SketchUp's "Select Tool" to select the wall that needs to be edited (the wall will be highlighted in blue).



2. To add a nog, click on this icon:



- 3. A properties menu will appear where the offset justification can be changed. (Left, right or centre)
- 4. Select the position on the wall for the nog to go:





How to add a profile within a wall:

 Use SketchUp's "Select Tool" will be highlighted in blue) to select the wall where a window has to go. (the wall



2. To add a profile, click on this icon:



3. A properties menu will appear:

1	Properties		—		×
	Properties				
	- Profile Properties				1
	DESIGN OPTIONS				
	Draw Offset(J): 1	center		•	
	Flip X: 2	true		•	
	Tag: 3	yellow		•	
	TOOLING				
	Mitre Points: 4	startend		•	
	CLEARANCES				
	Edge Clearance: 5 0.079 "	2.0 mm			
Se	earch for property				
	ok ok and remember cancel				

- 1. Draw offset(J) Changes the Offset (Left, Right, Centre)
- 2. Flip x Flips profile over the x-axis (rotates profile)
- **3.** Tag Changes the tag colour of a profile
- 4. Mitre points Changes the position of the mitre ends, start and end, start , end or none
- 5. Edge clearance Adjusts the clearance of the edge of a profile
- 4. Select the position on the wall for the profile to go:







How to edit a profile within a wall:

 Use SketchUp's "Select tool" will be highlighted in Blue)



to select the wall where a window has to go. (the wall



2. To edit a profile, click on this icon:



3. Select the profile to edit:



4. The profiles properties menu will appear (see page 95)

How to add Four quick walls:

1. To add four quick walls, click on this icon:



2. A properties menu will appear:

Properties			—	
Properties				
– Wall Propertie	25			
PROFILE				
LSF Profile: 1	88.9mm - 41.15mm - 8.38mm	350S162-33	,	•
DIMENSIONS				
Wall Top Plate Height: 2	106.299 "	2700.0 mm		
STUD OPTIONS				
Stud Spacing: 3	23.622 "	600.0 mm		
NOG OPTIONS				
Nog Spacing: 4	53.15 "	1350.0 mm		
First Nog: 5	53.15 "	1350.0 mm		
GENERAL OPTIONS				
Wall Class: 6		interior		•
earch for property				
ok ok and remembe	r cancel			



3. Draw the Four quick walls:





4. The walls will be drawn:



How to use the trace tool for walls:

1. To add a Trace, click on this icon: (It is One of Two)



2. A properties menu will appear

Properties		×
Properties		
Trace Tool Properties		ור
DESIGN OPTIONS		
Draw Offset : 1 left	•	
Wall Type: 2 wall	•	
Wall Height: 3 106.299 " 2700.0 mm		
GENERAL OPTIONS		
Trace Color: 4 white	•	
Search for property		
ok ok and remember cancel	8868	

- 1. Draw offset Changes the Offset (Left, Right, Centre)
- 2. Wall type Changes wall type (e.g., standard, mono, gable)
- **3. Wall height** Adjust the height of the wall
- 4. Trace color Changes the color of the trace
- 5. Start tracing, either with or without a floor plan:



6. To Finish a Trace, click on this icon: (It is Two of Two)





The trace will go from this...

....to this



How to change default wall settings for the whole wall module:

- 1. To change default wall setting, click on this icon:
- 2. A properties menu will appear where all default settings, advanced settings and warnings can be altered:

1	Properties	—	×
	Properties Advanced Properties Warnings		
	– Wall Properties –		 1
	PROFILE		
	LSF Profile: 1 88.9mm-41.15mm-8.38mm 350S162-33	•	
	DESIGN OPTIONS		
	Draw Offset (J): 2	•	
	Align to Face: 3 false	•	
	Stick Frame Noggings Tie: 4 9.843" 250.0mm		
	DIMENSIONS		
	Wall Top Plate Height: 5 106.299" 2700.0mm		
	Pull Wall Height: 6 false	•	
	Max Wall Lengths: 7 275.591" 7000.0mm		
	STUD OPTIONS		
	Stud Spacing: 8 23.622" 600.0mm		
	Studs Even: 9 false	•	
	Add Extra Studs-Nogs Offset: 10 left	•	
	First Stud Adjust Position: 11 0.0"		
	Last Stud Adjust Position: 12 0.0"		
	Back to Back Studs: 13 false	•	
	Stud Spacing On Center: 14 true	•	
	Frame End Stud+1: 15 none	•	
	Frame End Stud+1 Offset: 16 ^{5.906"} 150.0mm		

NOG OPTIONS			
Stagger Nogging: 17		false	•
Noggings Stagger Spacing:	18 ^{1.626"}	41.3mm	
First Nog: 19	53.15"	1350.0mm	
Nog Spacing: 20	53.15"	1350.0mm	
Stick Frame Noggings Style:	21	c_noggin_1	•
Stick Frame U Nog Fold Up: 2	22 ^{0.0} "	0.0mm	
BOTTOM CHORD OPTIONS			
Truncate Left: 23	0.0"	0.0mm	
Truncate Right: 24	0.0"	0.0mm	
ROOF OPTIONS			
Pitch (x-12) Left: 25	14.04deg	3	
Pitch (x-12) Right: 26	14.04deg	3	
Overhang Right: 27	0.0"	0.0mm	
Overhang Left: 28	0.0"	0.0mm	
Enable Fascia: 29		leftright	•
Fascia: 30	7.874"	200.0mm	
Fascia Soffit: 31		none	•
Soffit Wall Clearance: 32	1.181"	30.0mm	
Heel Height Right: 33	106.299"	2700.0mm	
Heel Height Left: 34	106.299"	2700.0mm	
BRACE OPTIONS			
Lateral Bracing: 35		plate_to_stud	•
Max No. of Braces: 36		0	
Auto Brace: 37		false	•
Auto Brace Position: 38	9.843"	250.0mm	
Brace Web Start End: 39	0.787"	20.0mm	
Draw Tooling Points: 40		true •	
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Mitre/Chamfer Ends: 41		true 🔹	
Hold Down Spacing: 42 0	.0"	0.0mm	
Bolt Hole Spacing: 43 0	.0"	0.0mm	
Service Holes: 44		st300 st450 st1100 st2200	
Frame End Web Holes: 45		st500*	
GENERAL OPTIONS			
Assembly Labels: 46		false	
Wall Class: 47		interior •	
Wall Trace Draw Offset: 48		left	
Wall Trace Label Size: 49		1	
ch for property			

- 1. LSF profile Changes steel profile style.
- 2. Draw offset(J) Changes the Offset (Left, Right, Centre)
- **3.** Align to face Enables or disables the align to face function
- 4. Stick frame noggings tie
- Wall top plate height Adjusts the walls top plate height (Height of wall).
- 6. Pull wall height

This enables or disables the pull height function which allows the walls height to be dynamically selected

7. Max wall lengths

Sets the maximum length a wall can be before its splits automatically

- 8. Stud spacing Adjusts spacing between studs in a wall.
- 9. Studs even Enable or disable even studs in a wall.
- **10. Add extra studs-nogs offset** Changes the offset of an extra stud or nog
- **11. First stud adjust position** Adjusts the position of the first stud.
- **12. Last stud adjust position** Adjusts the position of the last stud.
- 13. Back-to-back studs Enables or disables back-to-back studs
- **14. Stud spacing on centre** Spaces studs from start of wall to centre of studs.
- **15. Frame end stud + 1** Adds extra studs at the end of the frame
- **16. Frame end stud + 1 offset** Adjusts the offset or size of extra stud.
- **17. Stagger noggings** Enables or disables stagger nogging
- **18. Noggings stagger spacing** Adjusts the spacing between staggered nogs.
- **19. First nog** Adjusts the height of the first nog.
- 20. Nog spacing Adjusts spacing between nogs.
- 21. Stick frame noggings style
- 22. Stick frame U nog fold up
- 23. Truncate left
- 24. Truncate right

25. Pitch (x-12) left

This adjusts the pitch on the left side of the wall

26. Pitch (x-12) right

This adjusts the pitch on the right side of the wall

27. Overhang right

Adjusts overhang on the right side of the wall.

28. Overhang left

Adjusts overhang on the left side of the wall.

29. Enable fascia

Enable or disable fascia (left, right, Leftright, none).

30. Fascia

Adjusts the length of the facia.

31. Fascia soffit Enable or disable fascia soffit (left, right, Leftright, none).

32. Soffit wall clearance

Adjusts the distance between the soffit and the wall.

33. Heel height right

Adjusts the height of the right side of the gable wall.

34. Heel height left

Adjusts the height of the left side of the gable wall.

35. Lateral bracing

Changes the type of lateral bracing in the wall.

36. Max no. of braces

Sets the maximum number of braces in a wall

37. Auto brace

Enables or disables the auto brace function.

- 38. Auto brace position
- 39. Brace web start end

40. Draw tooling points

Enables or disables tooling points on a frame

41. Mitre/chamfer ends

Enables or disables the mitre end function for profiles of a wall

42. Hold down spacing

Changes the hold down points spacing

43. Bolt hole spacing

Changes the bolt hole spacing on a frame

44. Service holes

Adds a service hole according to users input for example st100|ng100.

45. Frame end web holes

46. Assembly labels

Enables or disables assembly labels

47. Wall class Changes a walls class (Interior, Exterior, Other).

48. Wall trace draw offset

Changes the offset of the wall trace tool. (Right, left or centre).

49. Wall trace label size

Adjusts the size of the trace label

roperties				
Properties Adva	nced Properties	Warnings		
- Advanced V	Vall Propertie	s		
DESIGN OPTIONS				
Line Format: 1			false	•
Stick Naming Order: 2			off	•
STUD OPTIONS				
Joining Wall Studs 3 Configuration:			end_flange	•
Joining Wall Studs Extra	a Offset: 4 ^{0.354} "		9.0mm	
TOOLING				
Top Track Connection:	5		dimple	•
CLEARANCES				
Edge Clearance: 6	0.079"		2.0mm	
Adjacent Clearance: 7	0.039"		1.0mm	
Chamfered End Clearan	ce: 8 0.118"		3.0mm	
SPECIAL SPLIT FRAME	OPTIONS			
Split Frame: 9			false	•
Split Side 1 Overlap: 1	0 0.0"		0.0mm	
Split Side 2 Overlap: <u>1</u>	1 0.0"		0.0mm	
Split Top Overlap: 12	0.0"		0.0mm	
Split Stud Top Clearance	e: 13 0.0"		0.0mm	
Split Ext Stud Top Clear	ance: 14 0.0"		0.0mm	
SPECIAL STICK FRAME	OPTIONS			
Stick Frame Configurati	on: 15		false	•
arch for property				
ak canas				
cancel				

1. Line format

Enables or disables line format instead of the visual steel.

- 2. Stick naming order
- 3. Joining wall stud configuration
- 4. Joining walls studs extra offset

5. Top track connection

Enables slots instead of dimples which allow for slight adjustments to a frame when assembling.

6. Edge clearance Increases or decreases the clearance to the edge of a profile.

 Adjacent clearance Adjusts the adjacent clearance on a wall.

8. Chamfered end clearance Adjusts clearance of chamfered profiles on a wall.

9. Split frame Enables or disables the split frame function.

10. Split side 1 overlap

Adjusts the length of the overlap on side 1.

11. Split side 2 overlap

Adjusts the length of the overlap on side 2.

12. Split top overlap

Adjusts the height of the top overlap on the frame.

13. Split stud top clearance

Adjust the clearance between the studs and the split.

14. Split Ext stud top clearance

Adjusts the clearance of the stud extensions and the frame.

15. Stick frame configuration

Enables or disables the stick frame configuration which removes all tooling etc.

Properties				—		
Properties Advanced Prope	erties	Warnings				
Warnings						1
STUD OPTIONS						
Max Stud Spacing: 1	23.622"		600.0mm]	
Min Stud Spacing - Ground + 1: 2	15.748"		400.0mm]	
Min Stud Thickness Ground + 1: 3	0.039"		1.0mm]	
Max Stud Height(std wall): 4	118.11"		3000.0mm]	
Max Stud Edge Clearance: 5	0.118"		3.0mm]	
NOG OPTIONS						
Max Nog Spacing: 6	53.15"		1350.0mm]	
TOOLING						
Max Service Holes Between Studs: 7			2]	
Min Service Holes Spacing: 8			2xdiamter	•		
Min Service Holes Pairs Spacing: 9			8xdiamter	•		
Min Last Service Holes Edge Clearance: 10			6xdiamter	•		
Search for property						_
ok cancel						0

- 1. Max stud spacing
- 2. Min stud spacing ground + 1
- 3. Min stud thickness ground + 1
- 4. Max stud height (std wall)
- 5. Max stud edge clearance
- 6. Max nog spacing
- 7. Max service holes between studs
- 8. Min service holes spacing
- 9. Min service holes pair spacing
- 10. Min last service holes edge clearance