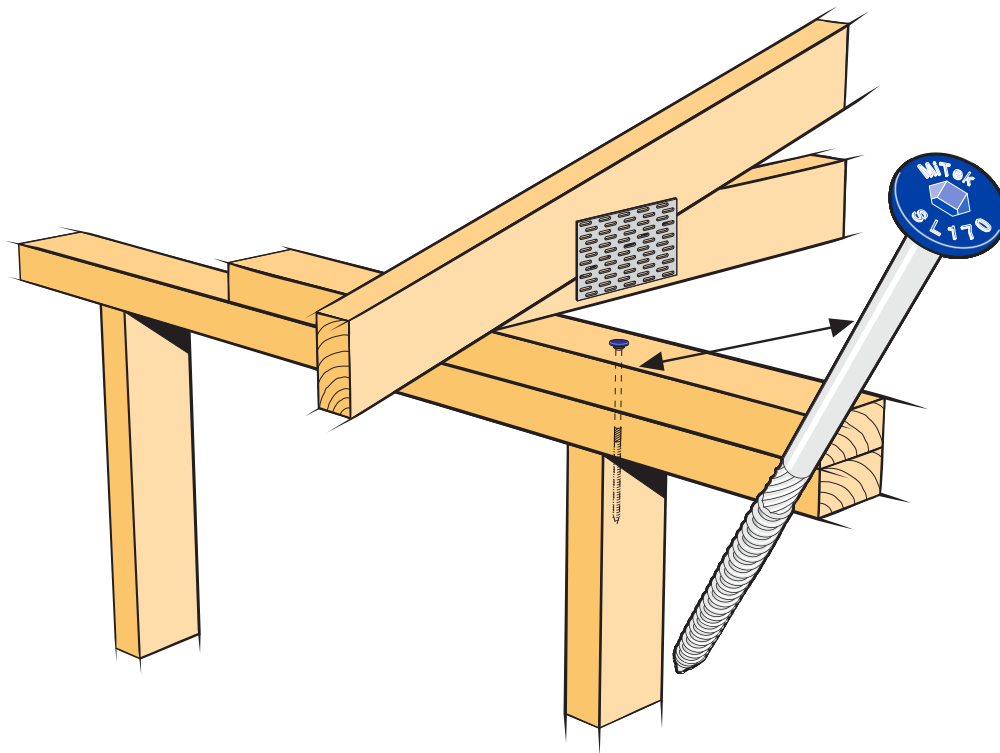


## STUD-LOK<sup>™</sup>

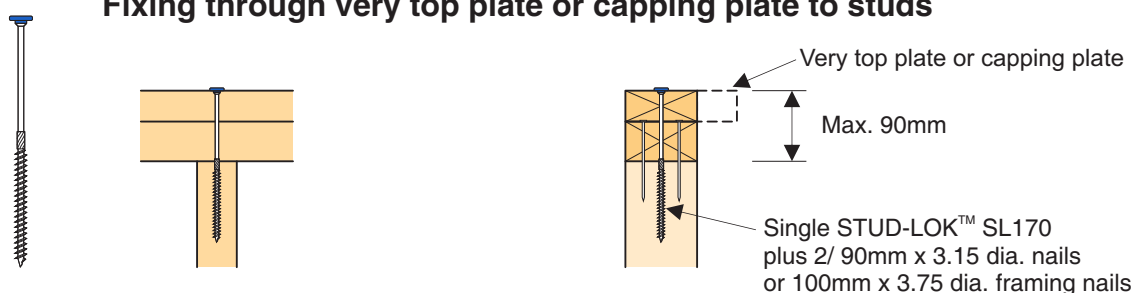
Provides a solution for top plate to stud fixings for residential timber frame buildings



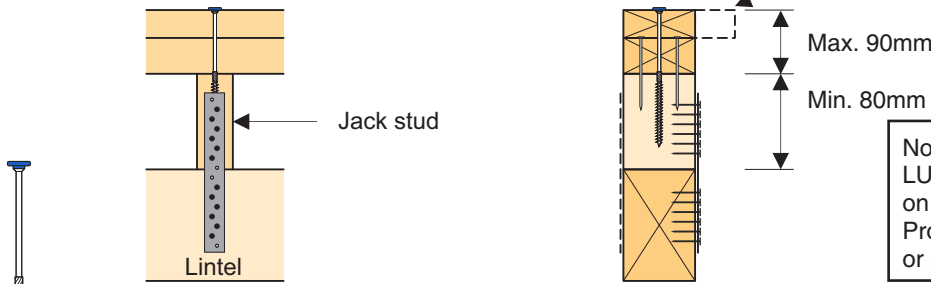
- ★ Complies with fixing requirements in Section 8 NZS 3604:2011
- ★ The BOWMAC<sup>®</sup> STUD-LOK<sup>™</sup> forms an integral part of the MiTek Truss & Frame design and layout

- 
- NOTE:**
- ★ Refer to Table 8.19 NZS 3604:2011 for nailing schedule to resist lateral loads.
  - ★ The STUD-LOK<sup>™</sup> connections assume that the correct choice of rafter/truss fixings have been made.
  - ★ Wall framing arrangements under girder trusses are not covered in this schedule.
  - ★ All timber selections are as per NZS 3604:2011 and include LVL8 timber grades.

### Fixing through very top plate or capping plate to studs

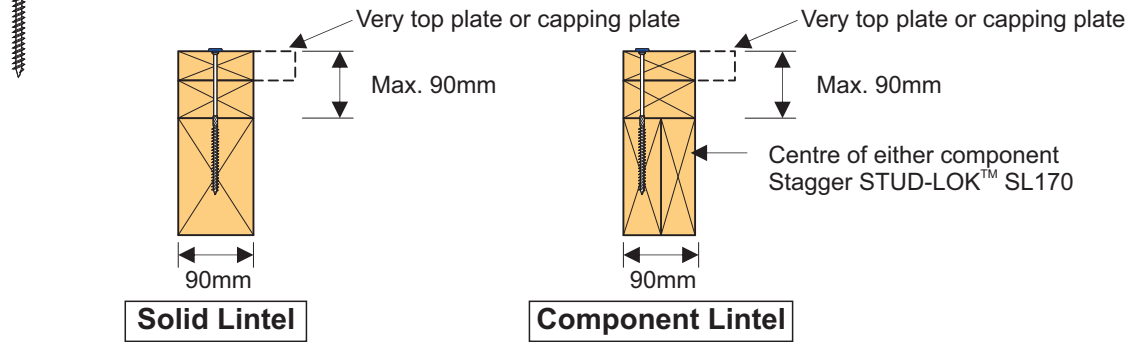


## Fixing through very top plate or capping plate to lintel with jack stud arrangement

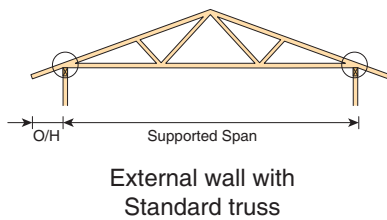


Note: Connect jack stud to lintel with LUMBERLOK® Sheet Brace Strap 200mm on one side with 6 x LUMBERLOK® Product Nails 30mm x 3.15 dia. each end or a pair of Tylok 6T5 (one side each)

## Fixing through very top plate or capping plate with lintels directly under top plate

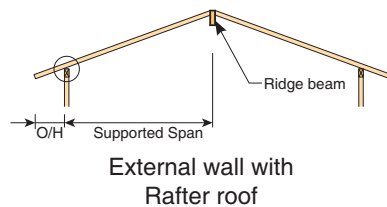


## LOAD DIMENSION DEFINITION

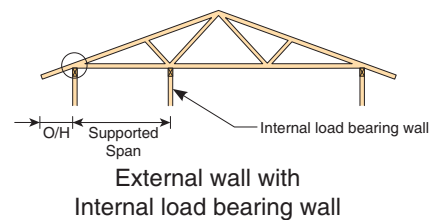


External wall with Standard truss

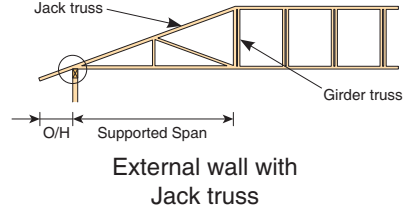
EXTERNAL WALL  
LOADED DIMENSION =  
 $\frac{\text{SUPPORTED SPAN}}{2} + \text{O/H}$



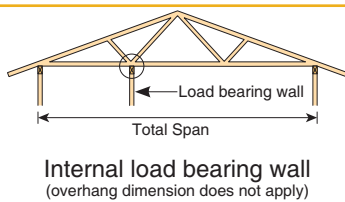
External wall with Rafter roof



External wall with Internal load bearing wall

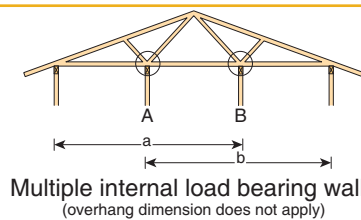


External wall with Jack truss



Internal load bearing wall  
(overhang dimension does not apply)

INTERNAL LOAD BEARING WALL  
LOADED DIMENSION =  
 $\frac{\text{TOTAL SPAN}}{2}$



Multiple internal load bearing walls  
(overhang dimension does not apply)

MULTIPLE INTERNAL LOAD BEARING WALLS  
LOADED DIMENSION FOR  
WALL A =  $\frac{a}{2}$   
WALL B =  $\frac{b}{2}$

## FIXING SELECTION CHART

(Suitable for walls supporting roof members at 600, 900 or 1200mm crs.)

Wind Zones L, M, H, VH, EH as per NZS 3604:2011

Loaded Dimension (m) Stud Centres			Light Roof Wind Zone					Heavy Roof Wind Zone				
300mm	400mm	600mm	L	M	H	VH	EH	L	M	H	VH	EH
3.0	2.3	1.5	2N	2N	SL	SL	SL	2N	2N	SL	SL	SL
4.0	3.0	2.0	2N	2N	SL	SL	SL	2N	2N	SL	SL	SL
5.0	3.8	2.5	2N	SL	SL	SL	SL	2N	2N	SL	SL	SL
6.0	4.5	3.0	2N	SL	SL	SL	SL	2N	2N	SL	SL	SL
7.0	5.3	3.5	2N	SL	SL	SL	SL	2N	2N	SL	SL	SL
8.0	6.0	4.0	2N	SL	SL	SL	SL	2N	2N	SL	SL	SL
9.0	6.8	4.5	SL	SL	SL	SL	SL	2N	2N	SL	SL	SL
10.0	7.5	5.0	SL	SL	SL	SL	SL	2N	2N	SL	SL	SL
11.0	8.3	5.5	SL	SL	SL	SL	SL	2N	2N	SL	SL	SL
12.0	9.0	6.0	SL	SL	SL	SL	SL	2N	2N	SL	SL	SL

2N = 2/ 90mm x 3.15 dia. nails

SL = Single STUD-LOK™ SL170  
plus 2/ 90mm x 3.15 dia. nails  
or 100mm x 3.75 dia. framing nails

### NOTE:

To calculate the number of STUD-LOK™ fixings required, divide the wall length by the stud centres, add 1 to this figure and locate this number of fixings as evenly as possible along the wall length. This figure includes the start and end studs in each wall length.