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® STUD-LOK™ 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™ 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

- Single STUD-LOK™ SL170 plus 2/ 90mm x 3.15 dia. nails or 100mm x 3.75 dia. framing nails
**LOAD DIMENSION DEFINITION**

**EXTERNAL WALL**

**Supported Span**

**O/H**

**Very top plate or capping plate**

Max. 90mm

Min. 80mm

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)

**Internal load bearing wall**

**Supported Span**

**O/H**

**Very top plate or capping plate**

Max. 90mm

Centre of either component

Stagger STUD-LOK™ SL170

**INTERNAL LOAD BEARING WALL**

**Supported Span**

**O/H**

**Very top plate or capping plate**

Max. 90mm

Multiple internal load bearing walls

(overhang dimension does not apply)

**FIXING SELECTION CHART**

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

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

<table>
<thead>
<tr>
<th>Loaded Dimension (m)</th>
<th>Light Roof Wind Zone</th>
<th>Heavy Roof Wind Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>300mm</td>
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<td>L M H VH EH</td>
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<td>3.0</td>
<td>2.3 2.5 2.5 2N 2N</td>
<td>2N 2N 2N 2N 2N</td>
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<tr>
<td>5.0</td>
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<tr>
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<td>2N 2N 2N 2N 2N</td>
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<tr>
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<td>3N 3N 3N 3N 3N</td>
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<td>8.0</td>
<td>6.0 4.0 4.0 3N 3N</td>
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<tr>
<td>9.0</td>
<td>6.8 4.5 4.5 3N 3N</td>
<td>3N 3N 3N 3N 3N</td>
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<tr>
<td>12.0</td>
<td>9.0 6.0 6.0 4N 3N</td>
<td>3N 3N 3N 3N 3N</td>
</tr>
</tbody>
</table>

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.