



The e-stick Roof Installation Guide

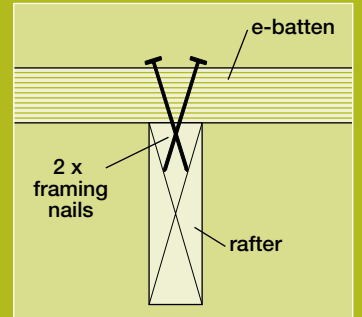
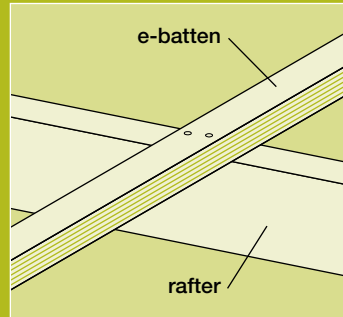
for carpenters and builders to correctly install Wesbeam e-stick LVL roof framing products

- roof battens for sheet roofs,
- underpurlins and
- struts.

nail it once, nail it right!

e-batten

The veneers that make up an e-batten are horizontal, so e-batten should be installed as a "flat" product.



Using nails.

If you fix e-battens to rafters with min. 2 x 3.15mmØ framing nails, position the nails along the rafter centreline. Skew drive the nails into the rafter.



Using screws.

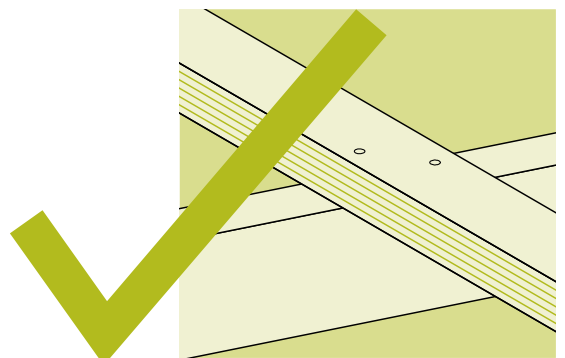
If you use single Type 17 screws to fix e-battens to rafters, position the screws at the intersection of the batten and rafter centrelines.



e-batten is designed to be fixed to the roof rafters with **either** 2 x 3.15mmØ framing nails or a single Type 17 screw.

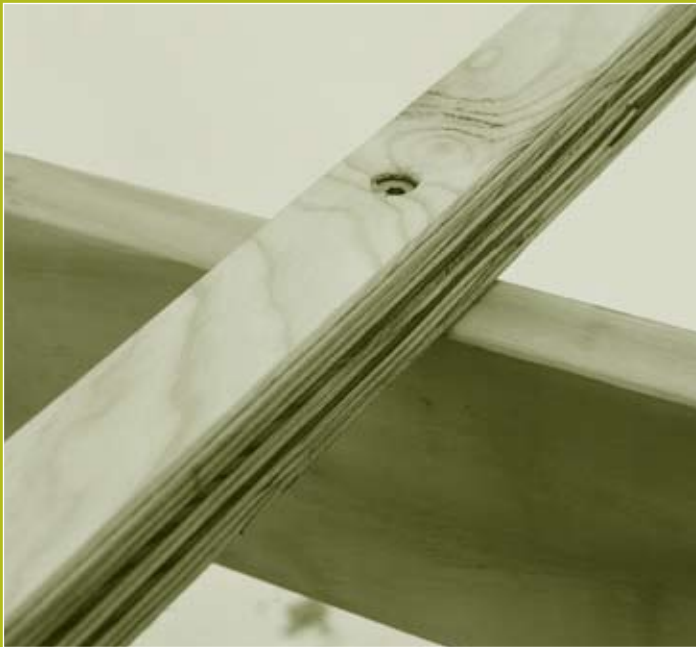
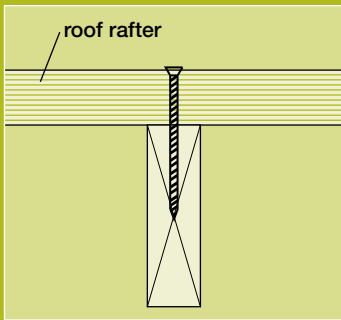
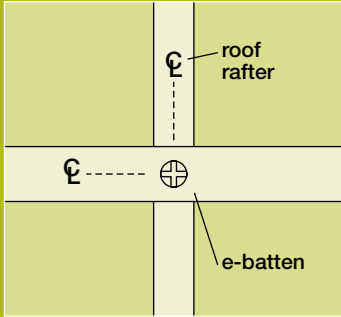
Wesbeam recommends that you DO NOT use a mix of nails and screws.

The builder should confirm with the Local Council or Building Authority which batten fixing system (nail or screw) is recommended for the building location.



e-batten to Hip Rafter

Fix the e-batten to the rafters then fix the e-batten to the hip e-batten with 2 x 3.15mmø framing nails.

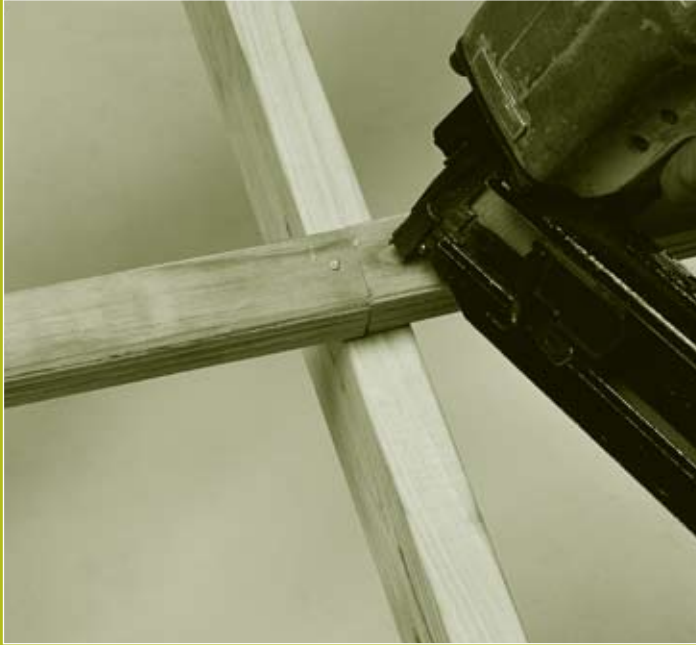


e-batten to Valley Rafter

Fix the valley e-batten to the rafters then fix the e-batten to the valley e-batten with 2 x 3.15mmø framing nails

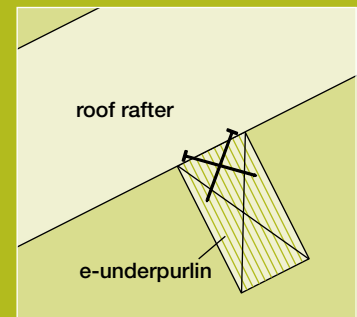
Jointing e-batten over Rafters

The e-batten join should be on the centreline of the rafter and either nail or screw fixed to the rafter.



Rafter to e-underpurlin

Fix rafters to e-purlins with minimum 2 x 3.15mmø framing nails; use one nail each side of the rafter.

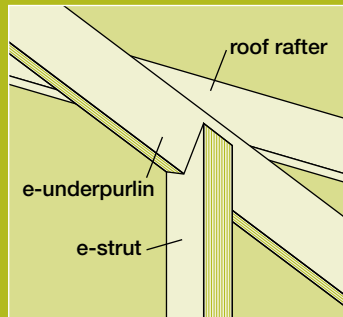


Vertical e-struts Cut the birdsmouth in the e-strut across the LVL veneers.

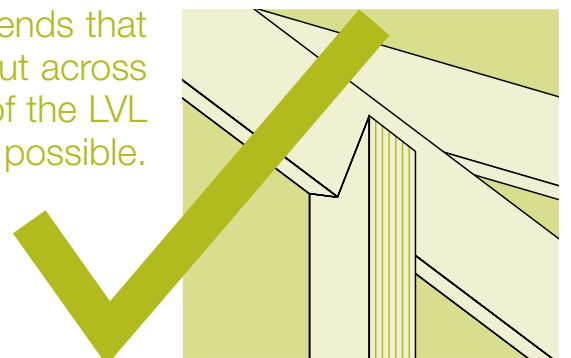
Fix e-struts to e-purlins with min. 2 x 3.15mmØ framing nails.

The nail fixings must be skewed through the e-strut into the e-purlin across the direction of the veneers

Vertical e-struts must be fixed to the e-strut support (wall plate, roof beam etc) with min. 4 x 3.15mmØ framing nails fixed through the face of the e-strut.



Wesbeam recommends that the birdsmouth is cut across the direction of the LVL veneers wherever possible.

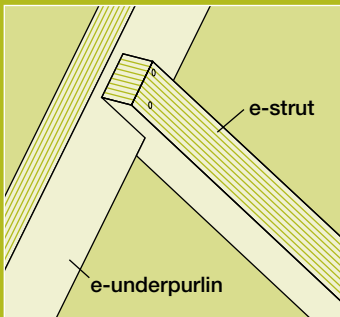


e-struts perpendicular to Rafters

Cut the birdsmouth in the e-strut across
the LVL veneers

Nail fixings must be skewed through
the e-strut into the e-purlin across the
direction of the veneers.

Fix e-struts to e-purlins with minimum
2 x 3.15mmØ framing nails.



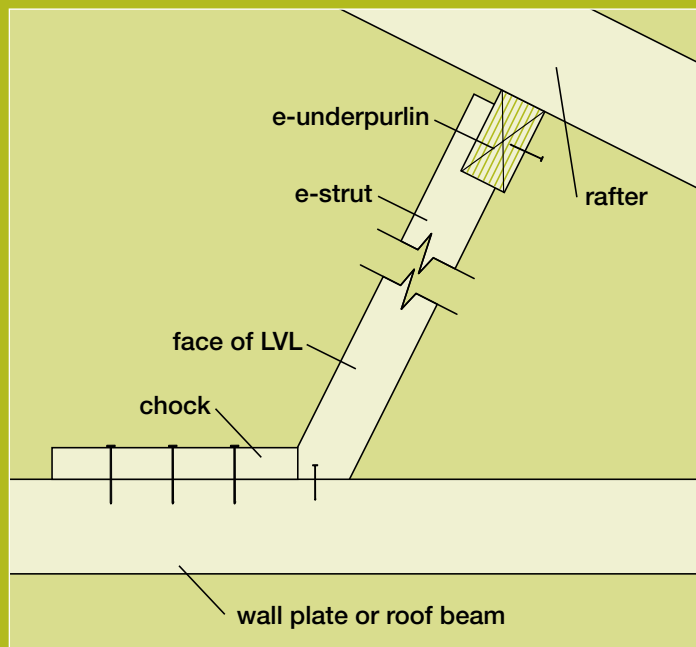
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wherever possible.



Fix the bottom of the e-strut to the support with 2 x 3.15mmØ framing nails driven through the face of the e-strut,

Any e-struts that are not vertical must be restrained by blocks or chocks.

Fix the timber chock to the supporting member with 3 x 3.15mmØ framing nails.



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