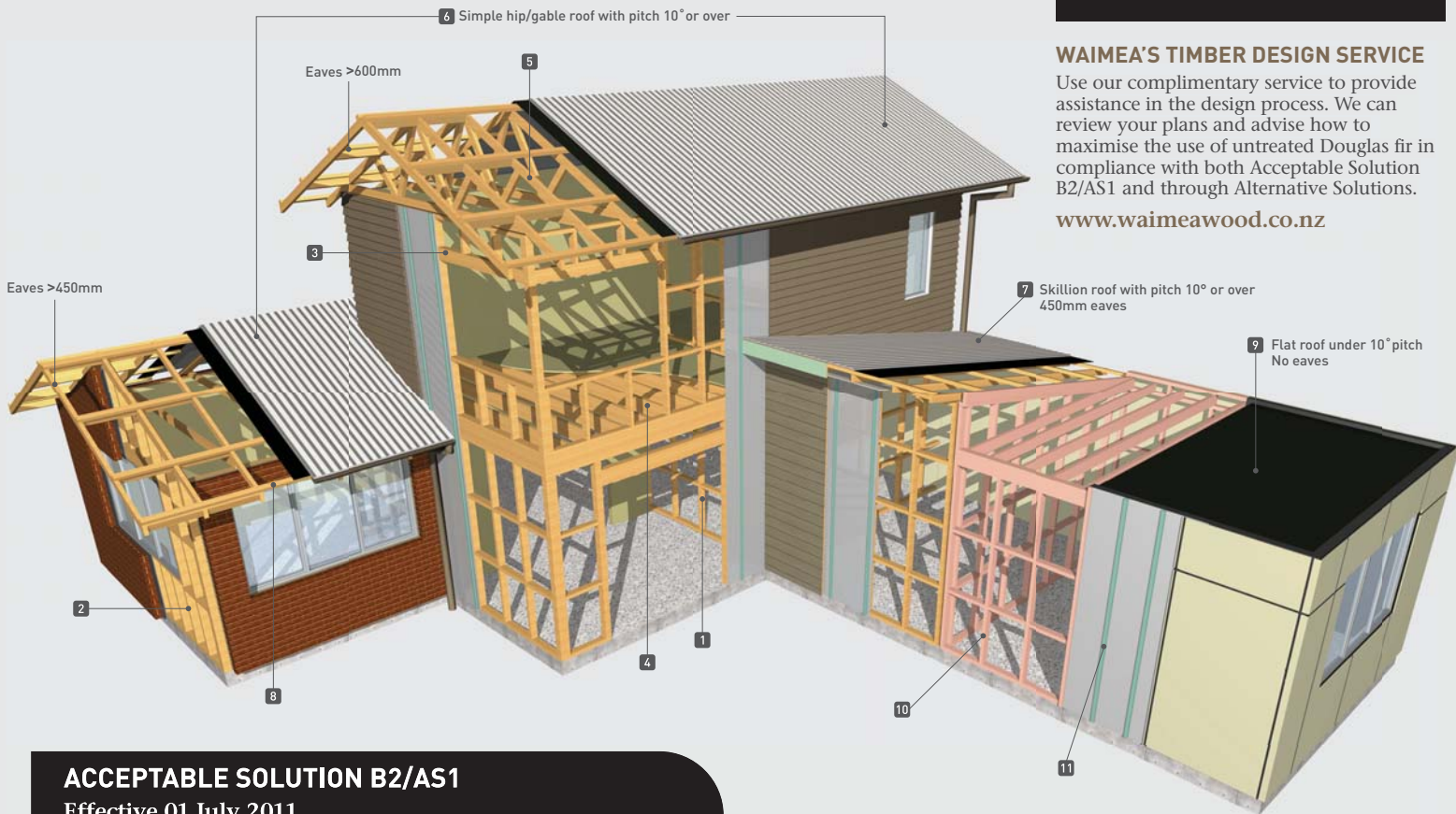


WAIMEA'S UNTREATED DOUGLAS FIR SOLUTIONS



WAIMEA™

The future is wood



WAIMEA'S TIMBER DESIGN SERVICE

Use our complimentary service to provide assistance in the design process. We can review your plans and advise how to maximise the use of untreated Douglas fir in compliance with both Acceptable Solution B2/AS1 and through Alternative Solutions.

www.waimeawood.co.nz

ACCEPTABLE SOLUTION B2/AS1

Effective 01 July 2011

WAIMEA'S UNTREATED DOUGLAS FIR

Untreated Douglas fir can be used for all framing in traditional 'low risk' houses (Para 3.2.2.2). All low risk house conditions must be met and are outlined below:

- A standalone, single household unit of no more than two storeys (as defined in NZS3604), designed and constructed to NZS3604
- Is situated in wind zones no greater than 'high' as defined in NZS3604
- Has a building envelope complexity no greater than 'medium risk' and a deck design no greater than 'low risk', as defined by the risk matrix in the Acceptable solution E2/AS1
- Has a risk matrix of no more than 6 on any external wall face as defined in E2/AS1.

Internal Wall Framing 1
(excluding those supporting decks/balconies)

Exterior Wall Framing 2
with drained and vented cavities complying with E2/AS1, behind all cladding, with roof and wall cladding systems and details meeting E2/AS1

Exterior Wall Framing 3
with eaves 450mm wide or greater for single storey houses, and eaves 600mm or greater for two storey houses

Mid-Floor Framing 4

Roof Trusses 5
with a roof slope of 10 degrees or more

Simple gable/hip roof 6
has a simple pitched roof with hips, valleys, gables or mono pitches, all draining directly to external gutters (excludes internal or secret gutters, concealed gutters behind fascias, or any roof element finishing within the boundaries formed by exterior walls e.g. the lower ends of aprons, chimneys, dormers, clerestories, box windows, etc.)

Simple gable/hip roof 6
has a simple pitched roof with hips, valleys, gables or mono pitches, all draining directly to external gutters (excludes internal or secret gutters, concealed gutters behind fascias, or any roof element finishing within the boundaries formed by exterior walls e.g. the lower ends of aprons, chimneys, dormers, clerestories, box windows, etc.)

Skillion roof 7
if it has a skillion roof, then the roofing material shall be corrugated iron or concrete, metal or clay tiles to ensure adequate ventilation

Purlins 8
(members not exposed to weather or ground atmosphere and in dry conditions, Table 1A 1E.1)

H1.2 TREATED DOUGLAS FIR

Flat roof (pitch less than 10 degrees) 9

Exterior walls (no eaves) 10

H3.1 TREATMENT

Cavity battens 11
(Battens used behind cladding to form a cavity)

ALTERNATIVE SOLUTIONS

Compliance can be achieved through Alternative Solutions (NZS3602:2003) for the use of untreated Douglas fir in medium and high risk buildings and commercial buildings, specifically low risk applications – internal wall framing and roof framing greater than 10 degrees.

Waimea believes that untreated Douglas fir is 'fit for purpose' in these applications and will provide supporting documentation to assist the consent process.