



FIGURE 4: TONGUE AND GROOVE JOINT

TIMBER FRAMED CONSTRUCTION

The same stud spacing designs may be applied equally using 40mm long Ø 2.8mm fibre-reincent (FC) nails for concealed fixing and 60 x3.15mm bullet head nails for face fixing. The racking capacities quoted above may be claimed provided that cyclone rods are used. Gun nails must not be used for bracing systems.

JOINTING

The ends of Linea Weatherboards are jointed off-stud means of the tongue-and-groove feature (see figure 4)

FINISHING

Linea weatherboards should be dry before painting. Final surface finish (coating, painting etc) shall be in accordance with James Hardie current technical literature.

FIRE-RATED WALLS

Fire ratings of R60/60 and 90/90/90 can be achieved when the walls are constructed as specified in James Hardie Fire & Acoustically Rated Walls (Residential) Technical Manual.

DETAILS

Construction details for the following items are provided in the current James Hardie literature for Linea® Weatherboard:

Slab & Eave. Note the following:

Install James Hardie external cladding with a minimum 150mm clearance to the earth on the exterior of the building or in accordance with local building codes if greater than 150mm is required.

Maintain a minimum 50mm clearance between James Hardie external cladding and roofs, decks, paths, steps and driveways.

Adjacent finished grade must slope away from the building in accordance with local building codes, typically a minimum slope of 50mm minimum over the first metre.

Do not install external cladding such that it may remain in contact with standing water.

Note: Greater clearance may be required in order to comply with termite protection provisions of the BCA, for example.

Windows: Typical window details using the Linea Window Adapter and Double Linea Weatherboard Trim are provided.

External Corners: Four options are available:

- [1] Linea SlimLine Boxed Corner
- [2] Linea Weatherboard Trim
- [3] Corner Soakers
- [4] Weatherboard Mitre

Internal Corners: Two options are available:

- [1] Linea Internal Corner Mould
- [2] Notch and Scribe

NOTES:

The structural capacity of the Linea Weatherboard system is based on the following documentation:

- [1] James Hardie Advice Note dated 28 July 2003 "Structural Design Properties of Linea Weatherboard Cladding in Australia".
- [2] James Hardie Test Report dated 24 September 2003 "Fastener Holding Capacity Testing of Linea® Weatherboard Screw-Fixed to Steel Frames".
- [3] James Hardie Test Report TS017-03 dated 25 June 2003 "Fastener Pull-Through Testing – Various Fastener Performance in Linea® Weatherboard".
- [4] BRANZ Report ST0483 dated 20 February 2001 "Face Load Testing of Low Density Thick Weatherboard".
- [5] BRANZ Report ST0506 dated 29 January 2002 "P21 Racking Tests on Timber Framed Walls with Linea Weatherboards and Lined with Standard GIB Plasterboard".

James Hardie Australia Pty Limited
 ACN 084 635 558
 10 Colquhoun Street, Rosehill NSW 2142
 Telephone 13 11 03
 www.jameshardie.com.au

LINEA® WEATHERBOARD
 16mm PRE-PRIMED EXTERNAL WALL CLADDING

Cardno (NSW) Pty Ltd
 ABN 95 001 145 035

Sheet 3 of 3

DESIGN DATA SHEET

Certified: *David Beneke* Date: 22/11/05
 DAVID BENEKE M.I.E. Aust, CP Eng 62658

M. Jolly 29.3.06
 BASE CONCURRENCE DATE

M 229/13
 DRAWING NUMBER.