

# Specifications

## Description

Prolam® is engineered, precambered timber with unsurpassed performance, using CCA H5 and H3.2 treatments means it can be used in almost any situation. Prolam is made to standards AS/NZS 1328.1 and AS/NZS 1491 and treated to NZS 3640. Using Prolam eliminates the wide variations in solid timber, and allows wide openings to be spanned with ease, along with keeping the lintel depth to a minimum. Prolam is available in many different sizes/grades, meaning there's a beam for every application.

## Design Criteria

Prolam is designed to comply with AS/NZS 1170.0, .1, .2, .3, and .5, structural design actions, NZS3603 Timber Structures, and to comply with the NZBC.

## Fixings

### Joist Hangers

Top mount hanger, full depth face mount hanger and partial depth face mount hanger. Nails and screws to manufacturer's technical literature requirements.

### Steel Brackets - Straps

Mild steel galvanized or stainless steel straps and brackets to suit application. Refer to Prolam User Guide and Prolam Pro Calculator for fixing and support details.

### Fixing Plates

Tylok plates to suit application. Refer to Prolam User Guide and Prolam Pro Calculator for fixing and support details.

## Installation

### Qualifications

Carry out the installation of the laminated engineered timber work with experienced and competent tradesmen familiar with the materials and techniques specified.

### Deliver and Handle

Deliver and handle members so no structural damage occurs, corners and edges are not damaged, or surfaces marked or stained. Handle laminated timber products with nylon straps or similar to prevent damage.

### Erection

Carry out the erection of laminated and associated support framing for houses and similar structures to the requirements of NZS 3604. Comply with NZBC B1/VM1, 6.0 Timber. Refer to Prolam guidelines for the installation of laminated structural framing. Prop long length beams and lintels at the mid span until the moisture content has reached a suitable level for the application of internal linings.

### Co-ordination

Refer to all drawings to ensure details and fixings required are provided for in the laminated structural work.

### Sizes and Codes

