

DOUBLE GLAZING INTO TIMBER JOINERY

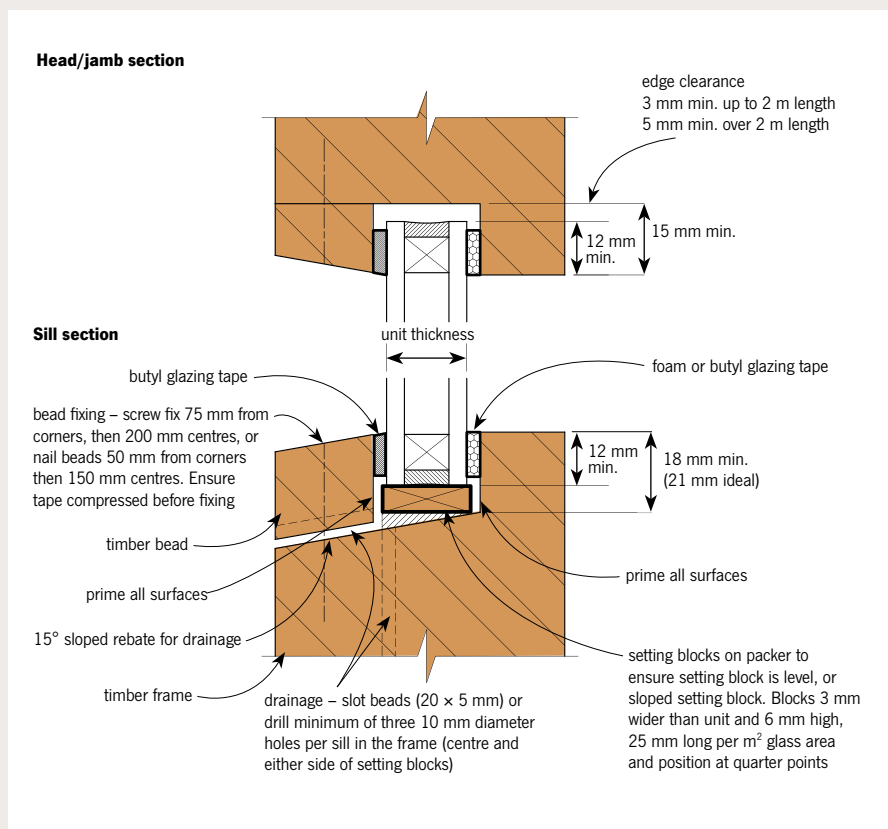
A recent Joinery Industry Training Organisation project has developed some typical glazing details for timber joinery. Here we include one of the double glazing details.

By Allan Sage, GANZ Technical Advisor and member Joinery ITO Executive Board

The Joinery Industry Training Organisation has been working with the Glass Association of New Zealand (GANZ) to prepare some typical timber glazing details for single and double glazing into timber joinery. The details are in line with the recently updated NZS 4223 *Glazing standards set* and AS/NZS 4666:2000 *Insulating glass units*. A list of suitable glazing materials for each method is currently being prepared by GANZ.

These details will provide updated glazing details for glaziers and be used to revise the joinery textbooks for apprentice training. The IGU glazing details will also be used in Insulating Glass Unit Manufacturers Association publications.

In the future, these details may be used by Master Joiners to test timber windows to NZS 4211 *Specification for performance of windows* for compliance with the Building Code. ◀



Drained double glazing with glazing tape in timber joinery.

DOUBLE GLAZING BASICS

Now that the change to the Building Code Clause H1 *Energy efficiency* applies to the whole of New Zealand, there are a few points about the use of double glazing, or IGUs, that need to be refreshed.

Double glazing is constructed of two panes of glass with a seal between the panes. This seal

must be kept dry, so the window framing must allow water to drain away from the edge seal.

The edge seal must also be protected from the sun, meaning that all edges of an IGU must be covered.

Double glazing is heavier than single glass, so framing and operating hardware needs

to be strong enough to cope with the increased weight.

A BRANZ bulletin on the use of IGUs in renovated timber windows is currently being prepared and will cover the way in which the thermal performance of timber windows in existing houses can be improved. ◀