

A six-storey wooden office block is rising up beside the city.

Picture: John Grainger

NSW

Six storey glass encased wooden office block rises in Barangaroo

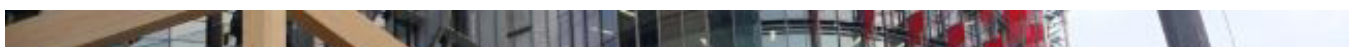
Matt Cullen, The Daily Telegraph

August 30, 2016 3:55am

THE latest addition to Barangaroo harks back to the past but with the latest in design and technology to ensure modern longevity.

The first ‘engineered timber’ office building in Australia is really starting to take shape.

International House Sydney in Barangaroo South will provide 6850sqm of leasable area across six stories with the massive wooden beams visible through a “glass skin”.





📷 The wooden frame is manufactured in a factory before being brought to the site. Picture: John Grainger





📷 The wooden structure harks back to earlier times in Sydney's history when warehouses and historic buildings used more wood in construction. Picture: John Grainger

The wood is a mixture of Cross Laminated Timber (CLT) and glue laminated timber (Glulam) which is sourced from sustainably managed forests in Austria.

With the aim of reducing the carbon footprint of the building the use of the engineered wood in particular the CLT which produces no waste during the production process.

CLT consists of multiple layers of softwood, oriented at 90 degree angles to each other, which are glued together under pressure to form large pieces.





📷 The wooden office block will only rise six storeys and is dwarfed by its more conventionally built cousins. Picture: John Grainger



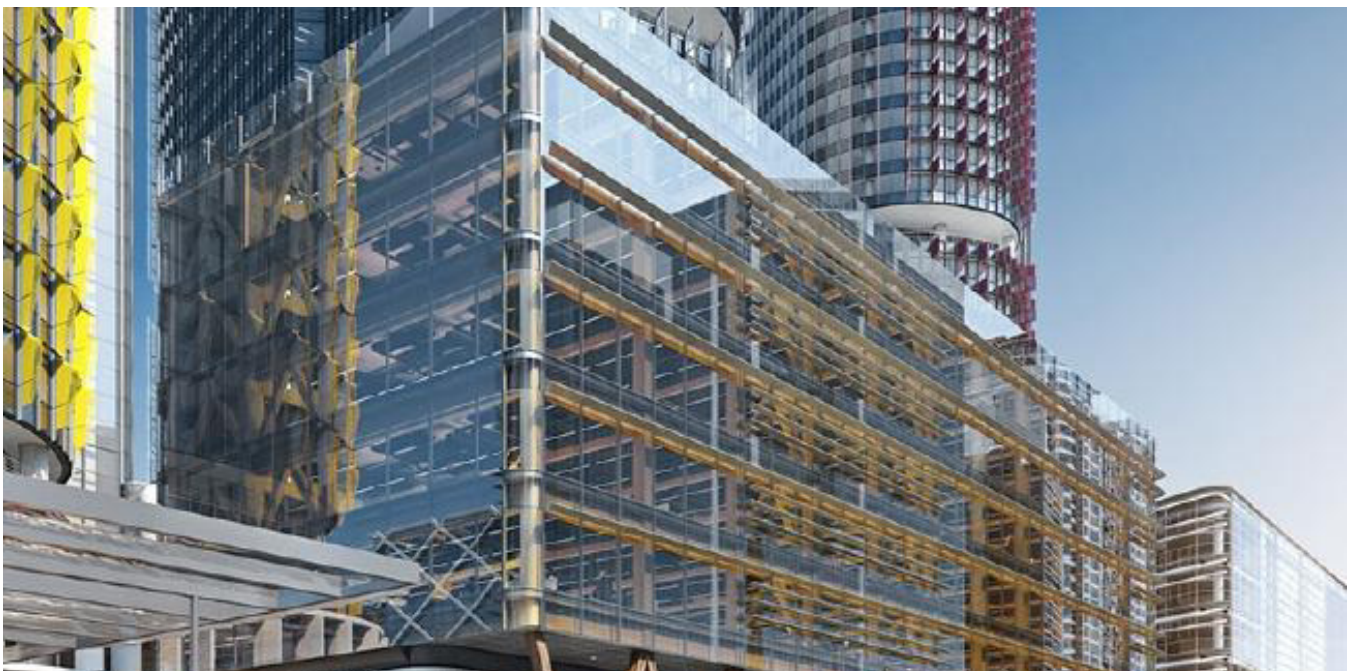
📷 The structure is manufactured offsite and assembled on-site like a jigsaw puzzle. Picture: John Grainger

All the engineered wood products are prefabricated in a factory before being assembled on-site.


International House Sydney is the third building Lendlease has build using CLT in Australia with the 10 storey Forte apartments and The Dock in Melbourne's Docklands already built.



📷 Some of the massive Glulam timbers await being slotted into their allotted places. Picture: John Grainger





 An artist's impression of what the office building will look like when completed. Picture: Supplied
