



USE OF 45mm x 45mm TIMBERS WEBS IN TRUSSES

In the wake of the current timber shortage and other supply chain issues confronted by the Timber Industry, there is a strong push for adopting the use of 45mm x 45mm cross sections as webs in manufacture of nail plated timber trusses

MiTek has received numerous such requests. Such webs **MUST NOT** be used in truss design while using MiTek Truss Design Software

- There is potential for the webs to buckle in service [long term effect] due to their reduced size and relatively small cross-section.
- Timber face area available for plating at joints is significantly reduced and inadequate.
- The impact of minor timber defects is disproportionate and magnified by the small cross-sectional area of the webs.
- There is a higher potential of damage to the small cross-section webs during transportation and installation.

Considering the above limitations, it is **NOT** good engineering practice to adopt small timber cross sections in manufacture of nail plated trusses.

For further information and discussion on the subject, please contact your nearest design office.

Rev. E: 26 October 2021