

HANDOUT 9

Types of Engineered Timber Floor Joists

Engineered timber floor joists, more commonly known as an 'I-joist', is a product designed to eliminate problems that occur with conventional wood joists. Invented in 1969, the I-joist is an engineered wood product that has great strength in relation to its size and weight. The biggest notable difference from dimensional wood is that the I-joist carries heavy loads with less lumber than a dimensional solid wood joist. I-joists were designed to help eliminate typical problems that come with using solid lumber as joists.

The main advantage of I-joists is they are less likely to bow, crown, twist, cup, check or split as would a dimensional piece of lumber. The dimensional soundness and little or no shrinkage of I-joists help to eliminate squeaky floors.

Versalam stock range



I-Joist stock range



*Use I-joists
for squeak free
floors!*

- VERSA LAM® is high specification Laminated Veneer Lumber (LVL), making it one of the strongest and most reliable engineered wood products available.

Used to produce both beams and rim boards it provides the foundation for the SIMPLE FRAMING SYSTEM® Engineered Wood Products.

- BCI® Joists – combine VERSA LAM® flanges with an OSB web to produce precisely specified I-joists for squeak free floors.