



**INDEPENDENT  
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**Span Tables  
and Engineers Design Details**

**“MAXbeam” Structural Laminated Veneer Lumber**

**MAXbeam LVL E18**

**May 2004.**

**MAXbeam**

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**Lloyd's Register of Certification No: KLR 0340519**

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Office: Labuan

Date: 18 August 2003

This certificate is issued to ASTIM PTY LTD, P O Box 533, Subiaco, 6008, Western Australia to certify that at their request the undersigned surveyor to this society did attend at Shin Yang Plywood Sdn Bhd, Kuala Baram, Miri, Sarawak on the 18<sup>th</sup>. August 2003 for the purpose of bi-annual auditing the said manufacturers production, procedures and documentation for the production of STRUCTURAL LAMINATED VENEER LUMBER against the AS/NZS 4357 : 1995 Code.

The following review and inspections were carried out:-

1. Review of the manufacturers Standard Production Procedures and Quality Control Manual - with updates and amendments as appeared in Rev. D dated 06 August 2003 for compliance against the AS/NZS 4357: 1995.
2. Inspection of the log received and cutting process.
3. Inspection of the peeling procedure.
4. Inspection of the drying process, veneer selection procedure and moisture control process.
5. Inspection of the gluing procedure.
6. Inspection of the cold press process.
7. Inspection of the hot press process.
8. Inspection of the thickness measurement and sizing procedures.
9. Inspection of the sanding and ripping process.
10. Inspection of the grading procedure.
11. Review of the final documentation for dimensions and shape.
12. Review of the resin and gluing mixing procedures and records.
13. Inspection of the brand marking by the manufacturers

The above review and inspections were found satisfactory.

The process and procedures for the production of the Structural LVL was found to be in compliance with the manufacturers Standard Production Procedures and Quality Control Manual Rev. D dated 06 August 2003.

The manufacturer quality system was certified to ISO 9002: 1994 on 10 May 2002 by SIRIM QAS Sdn. Bhd.

To ensure ongoing compliance with AS/NZS 4357:1995, it is necessary that the manufacturer's process and procedures are regularly reviewed at six (6) monthly intervals.

Lloyd's Register is an internationally recognised organisation for conducting third party audits and certification. LR is ISO certified by BSI. BSI Certificate Number FS 30240.



Kaswadi Yusuf  
Surveyor to Lloyd's Register of Shipping (M) Berhad

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