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13. CONCLUSIONS

The object of this Connection Series is to provide a rationalised approach to the design, detailing and fabrication of selected structural steel connections. The benefits of this approach include:

- provision to the competent professional person as designer - a range of reliable and economic connections accompanied by design capacity tables (wherever possible for each connection type);

- elimination of the need for repetitive computation by structural engineers;
- scope for the fabricator to produce connection components by production engineering methods, developing standard jigs, fixtures and using NC methods for ready connection fabrication and assembly;
- advantages that can be expected to flow from industry rationalisation, such as better communication, better availability of materials and suitable components; and
- provide a considerable impetus towards improving the economy, and therefore the competitive position of structural steel, in the Australian building industry.

There is no valid reason for diversity in detailing the selected connections contained in this Connection Series, and one of the prime objectives of this Connection Series is to minimise variety by providing only selected connection configurations containing all essential components, for each connection type. The selected connection configurations provided should prove compatible with the requirements of designers, fabricators and erectors.

14. REFERENCES

- STANDARDS AUSTRALIA, AS 4100—1998 'Steel structures'.
- AUSTRALIAN INSTITUTE OF STEEL CONSTRUCTION, 'Design of structural connections', 4th edition, Authors Hogan, T.J. and Thomas, I.R., Editor Syam, A.A., 1994.
- AUSTRALIAN INSTITUTE OF STEEL CONSTRUCTION, 'Standardized structural connections', 3rd edition, 1985.
- AUSTRALIAN STEEL INSTITUTE, 'Design capacity tables for structural steel. Volume 3: Simple connections - open sections', Author Hogan, T.J., Contributing author and editor, Munter, S.A., 2007.
- AUSTRALIAN STEEL INSTITUTE, 'Handbook 1: Design of structural steel connections', Author Hogan, T.J., Contributing author and editor, Munter, S.A., 2007
- AUSTRALIAN STEEL INSTITUTE, 'Design Guide 1: Bolting in structural steel connections', Author Hogan, T.J., Contributing author and editor, Munter, S.A., 2007.
- AUSTRALIAN STEEL INSTITUTE, 'Design Guide