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***New SCI report offers robust calculations
to counter local buckling issues of Light Steel Sections***

New technical guidance on the design of steel sections used in light steel framing applications to Eurocode 3 design standards has been prepared by senior SCI Engineers Andrew Way and Martin Heywood.

As light steel members are especially prone to local buckling, the design consequences of this behaviour are dealt with in depth, notably the calculation of effective cross section properties. Design guidance for members in compression and members in bending is also given.

Such sections are commonly used in a range of building types as secondary steelwork (e.g. purlins and cladding rails in industrial buildings) and as the primary load-bearing elements in light steel frames (e.g. in residential buildings).

The guidance includes;

- A brief introduction to relevant Parts of the Eurocodes, notably BS EN 1993-1-3 *Eurocode 3: Design of steel structures. Cold formed members and sheeting*, followed by detailed design guidance.
- Eight worked examples are provided to illustrate the application of the design rules to practical building applications.

The Technical Report is freely available to Corporate SCI members from Steelbiz (www.steelbiz.org). Non-members can purchase a pdf of the technical report for £40+vat Telephone: +44(0)1344 636500 or Email: publications@steel-sci.com to place your order.

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Editor's notes

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