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## 2. Thin-Walled Metal Structures in Buildings

### Stockholm, Sweden, June 9 – 12, 1986

#### Objective of the Colloquium

The objective of the Colloquium is the use of thin-walled steel and aluminium in building construction, separately or in combination with other materials. Special emphasis should be given to new developments in the field of cold-formed metal building products, thin-walled building elements and building systems; light-gauge metals in composite action with other materials such as concrete, polymer foams and boards of wood-based materials; and finally building physics topics such as thermal insulation, air tightness, moisture, acoustics, fire resistance and durability of light-gauge structures. The international state of the art in research on design and building physics, codes and standards, new products and construction techniques should be considered.

#### Themes

Thin-walled components, new developments in theory and practice

- Materials
- Sheet and sections
- Fasteners
- Design criteria
- Coil coating

Light-gauge metal construction and building systems

- Roofs
- Walls
- Floors
- Building systems
- Erection

Composite light-gauge metal construction

- Materials
- Connections
- Design
- Structural behaviour

Building physics in light-gauge metal construction

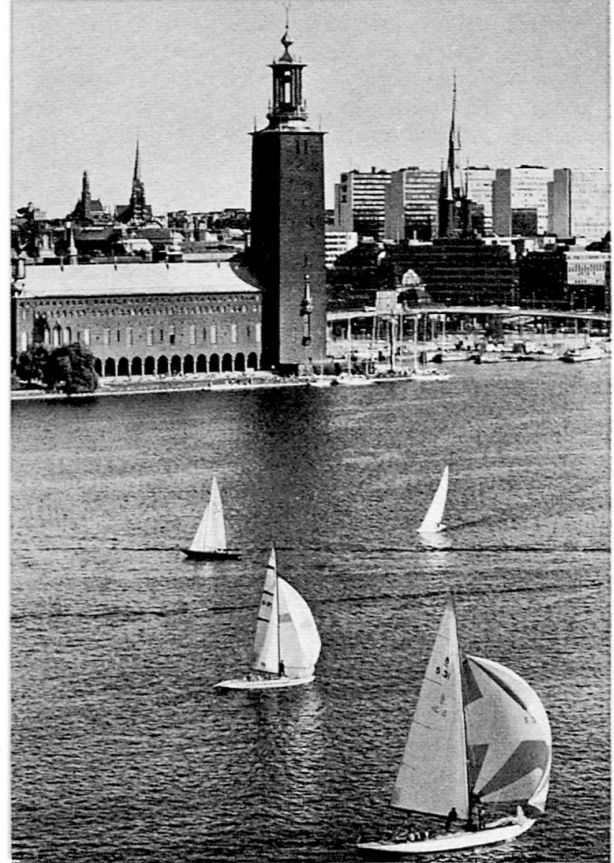
- Thermal insulation
- Weatherproofing
- Air tightness
- Acoustics
- Fire resistance
- Durability

#### Participation

The Colloquium will be of interest to representatives from universities and public authorities, consulting engineers and architects, building contractors, steel fabricators and sheet manufacturers active in research and development, teaching, code writing, design, manufacturing and fabrication.

#### Procedure during the Working Sessions

Each working session will begin with an introductory lecture followed by the oral presentation of selected papers from those published in the Colloquium Proceedings. The presentation will be followed by free discussion.



#### Call for Papers

Participants wishing to submit papers to the Colloquium are requested to send an abstract of the paper to

IABSE Colloquium Stockholm 1986  
 Swedish Institute of Steel Construction  
 Drottning Kristinas väg 48  
 S-114 28 **Stockholm**, Sweden

by **June 1, 1985**. The abstract, preferably in English, should be no longer than two typewritten pages.

The Scientific Committee of the Colloquium will review the submitted abstracts for topic suitability. The authors of the papers accepted will be informed by the end of August 1985 and requested to submit a camera-ready manuscript by December 1, 1985 in accordance with the IABSE guidelines.

Papers for the Colloquium may be submitted in English, French or German. Short summaries in the three languages must be included.

#### Further Information

Further information may be obtained from the IABSE Secretariat or from the IABSE Colloquium Stockholm 1986, at the above address.