



Proceedings TG27 open meeting 2001 in Wellington Theme: Industrial Housing

By
Frans van Gassel and Ger Maas
Eindhoven, August 2001

Date meeting
Saturday, 31 March 2001

Location
The Duxton Hotel, Wellington



*Frits Scheublin
presents his paper
during the TG27
open meeting.*

Participants open meeting

- Dr. Ir. Wim Bakens, Secretary CIB
- Werner K.E. Osterhaus, Victoria University of Wellington, New Zealand
- John M. Gray, Victoria University of Wellington, New Zealand
- Morten Gjerde, Victoria University of Wellington, New Zealand
- Gerard de Valance, University of Technology, Sidney, Australia
- Ir. Frits J.M. Scheublin, HBG Bouw en Vastgoed, The Netherlands
- David Cobb, BSc (Hons) MSc MBA Ceng MICE, Imperial College, England
- Prof. ir. Nico Hendriks, Eindhoven University of Technology, The Netherlands
- Prof. ir. Jon Kristinsson, Delft University of Technology, The Netherlands
- Dr. Ir. Wilco Tjihuis, WT/Consult BV, The Netherlands
- Prof. ir. Ger Maas, Eindhoven University of Technology, The Netherlands
- Ir. Frans van Gassel, Eindhoven University of Technology, The Netherlands

Additional participants excursions

- Ir. Frans Henderieckx, WTCB, Belgium
- Dr. ir. Peter Erkelens, Eindhoven University of Technology, The Netherlands
- Ir. Riet Kristinsson – Reitsema, Architectenbureau Kristinsson, The Netherlands
- Dr. ir. Emilia van Egmond – de Wilde de Ligny, Eindhoven University of Technology, The Netherlands



Professor Jon Kristinsson gives his vision on water use in an house



Morten Gjerde about Current Industrial Housing Practices in New Zealand.

Presentations

Industrial Housing in New Zealand

Morten Gjerde, Victoria University of Wellington

- The Power Point presentation see annex A.

Construction of a Prototype of an Industrial, Flexible and Demountable (IFD) Apartment Building System

Professor Nico Hendriks, Eindhoven University of Technology.

- The paper is included in the International Status report.
- The Power Point presentation see annex B.

Developments on Automation and Robotics in Construction (ISARC 2000)

David Cobb, IAARC and Imperial College London

- The Power Point presentation see annex C.

The HalfTime project, an Innovation Program to Reduce Construction Time by 50%

Frits Scheublin, Hollandsche Beton Groep HBG

Buildings have a relationship with water on all scale levels.

Water on all scale levels is a wide carrier for every human settlement.

Professor Jon Kristinsson, architect Delft University of Technology

- The paper is included in the International Status report.

Improving the Multicultural Construction Site: the Human Role in a Technology Driven Environment by

Dr. ir. Wilco Tjihuis, Twente University

- The paper is included in the International Status report.



Professor Ger Maas, co-ordinator TG27, presents the CD ROM Status Report to Wim Bakens, secretary CIB

International Status report on aspects of FutureSite

On an open meeting on Saturday, 31 March 2001 Task Group TG 27 Human-Machine Technologies for Construction Sites presented the state-of-the-art report "FutureSite". To Secretary-General Wim Bakens.

The report is the result of a surveying among the members of TG27, of a study of some master students and on a surveying on the web by key words. It is a gathering of links, topics, ideas, abstracts and articles.

The surveying is based on the scope of CIB TG27 "How can on-site performance in the future be improved by re-engineering and integration of all different aspects of the construction process from the view point of Human-Machine Technologies".

The report is a CD-ROM with search facilities and with linking possibilities within the report and the Internet.

Excursions

Saturday evening, 31 March 2001.

- School of Architecture, Victoria University of Wellington. See annex D.

Wednesday afternoon, 4 April 2001.

- Pre-fab living house int North of Wellington. See annex E.
- Townhouses in the center of Wellington. See annex F

Annex A

Powerpoint presentation:
Industrial Housing in New Zealand
Morten Gjerde,
Victoria University of Wellington

Annex B

Powerpoint presentation:

Construction of a Prototype of an Industrial, Flexible and Demountable (IFD) Apartment Building System

Professor Nico Hendriks,
Eindhoven University of Technology.

Annex C

Powerpoint presentation:

Developments on Automation and Robotics in Construction (ISARC 2000)
David Cobb, IAARC and Imperial College London

Annex D

Saturday evening, 31 March 2001.
School of Architecture, Victoria University of Wellington.



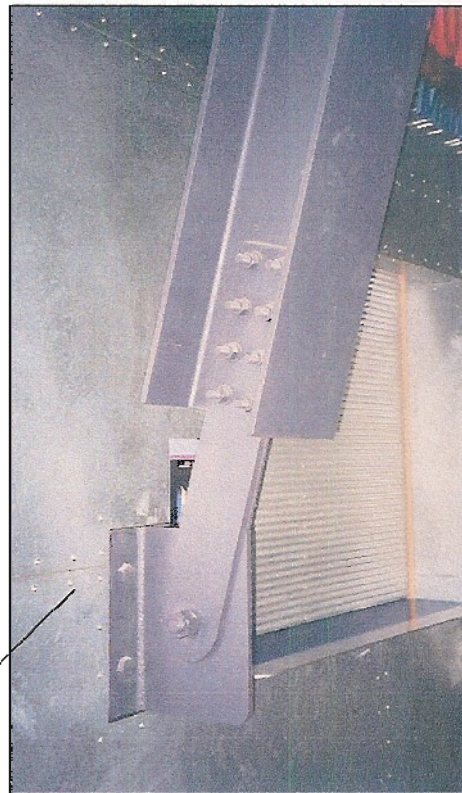
The building of the School of Architecture and Design.



The participants of the meeting visit the School of Architecture and Design.



An exhibition of the students.



A earthquake 'resistent' detail of the steel construction in the school.

Annex E

Wednesday afternoon, 4 April 2001.

Pre fab concrete panels in a living house in the North of Wellington.



Pre fab concrete panel. The panel is isolated and has no thermal bridge.

Annex F

Wednesday afternoon, 4 April 2001.

Townhouses in Wellington.



Appartment houses on a talud. Inside wood, outside plaster and pre fab concrete panels.

