

**JOHN HARE**

Chairman, Director of Technical Development

Holmes Consulting Group Ltd

Director, Holmes Culley (San Francisco)

Director, Holmes Group (parent company)

Professional Qualifications

BE hons (Civil), MIPENZ, CPEng, PE (California)

Professional Experience

2011-present Principal Engineering Adviser (part time) at CERA

2010-present Department of Building and Housing Engineering Advisory Group, chairman of commercial section

2008-present Chairman, Holmes Consulting Group (resigned in interim to perform role in CERA)

2006-2008 Director & Christchurch Office Manager, Holmes Consulting Group

2005-2006 Director & Auckland Office Manager, Holmes Consulting Group

2000-2004 CEO Holmes Culley, San Francisco

1997-2000 Director, Holmes Consulting Group, Auckland

1994-1997 Director, Holmes Consulting Group, Christchurch

1990-94 Associate, Holmes Consulting Group Christchurch

1988-90 Structural Engineer, Holmes Consulting Group, Christchurch

1987-88 Contract Engineer for Harris Sutherland Edwards and Blackie in London.

1985-88 Structural Engineer, Holmes Wood Poole & Johnstone Ltd, Christchurch

Christchurch

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New Zealand

Offices in

Auckland

Hamilton

Wellington

Queenstown

San Francisco



Areas of Specialist Expertise

Conceptual design and analysis of all types of building structures

Seismic evaluation and strengthening of existing buildings including historic structures

Risk Analysis

Technical Groups & Committees

President and Management Committee Member SESOC

Chairman, Civil Engineering Advisory Board at University of Canterbury

Member ACI 440 review committee (FRP systems)

Past Chairman Canterbury Structural Group

Convener SESOC Double Tee Support Systems study group

Past member AS/NZS1170 review group

Member NZSEE, SEAOC

Major Project Experience (Representative)

100 Grant Avenue Retrofit, San Francisco - Project Director for design and documentation of seismic retrofit of existing 6 story + basement office and retail development.

AMI Insurance Building, Christchurch - Full seismic hazard assessment of 1960's concrete wall/framed building

Canterbury Provincial Council Buildings - Part responsibility for preparation of the Draft Conservation plan, strengthening of Old Stone Council Chamber, Durham Tower, and Bellamy's block, preliminary scheme for Armagh Tower.

Centra Hotel Extensions, Auckland – Project Director for the evaluation of the existing structure and the design of the new 200 room extension.

Christchurch Arts Centre (formerly the Canterbury University campus)

Ongoing buildings securing as part of overall life safety upgrading programme

Miscellaneous repairs and renovations



Preparation of a pilot strengthening study for entire campus (approx 17 significant historic buildings).

Project Director for the strengthening of the Old Arts School

Christchurch Casino – Project Engineer for the design and construction monitoring.

Riccarton Mall extensions, Christchurch – Project Director for the design and construction monitoring of the 1995 extensions

Christchurch Cathedral - Preliminary strengthening options scheme development.

Christchurch Civic Offices - Full seismic hazard assessment of building and structure housing Civil Defence and other critical facilities. Preparation of preliminary design for implementation by Council

Christchurch International Airport - Full seismic hazard evaluation of existing concrete and steel buildings and services dating from 1950's

Subsequent preparation of strengthening design for critical buildings to life safety levels in conjunction with major expansion.

Project Director for design of new International Terminal.

Christchurch Old Government Buildings - Development of preliminary strengthening options and final strengthening design as part of \$8.5M redevelopment.

Eden Park ASB Stand, Auckland – Project Director for the design and construction monitoring of the new north stand

Ghirardelli Square, San Francisco - Project Director for preliminary strengthening solutions for a complex of historic buildings, and for the completion of seismic retrofit of the Woolen Mill, using fibreglass composites in lieu of conventional systems

Hobson Bay Sewer Structural and Risk Review – Project Director for a full risk study and structural evaluation of the existing elevated sewer over Hobson Bay.

Hong Kong sevens Stadium Precast design – Project engineer responsible for the design of all of the precast flooring and beams.



North Mole wharf Extension, Timaru – Design engineer for a precast alternative design for a new wharf

Pier 1.5, 3 & 5, San Francisco – Project Director for the design and documentation of the seismic retrofit and refurbishment of the existing pier and bulkhead buildings.

Redoubt Rd Reservoir, Auckland – Design Engineer for a large precast, prestressed rectangular water reservoir

Turners And Growers Building, Auckland - Review and upgrade design for large 1912 concrete and masonry structure as part of overall building refurbishment.

TVNZ Network Centre, Auckland – Design Engineer for the design of the complex comprising 4 buildings.

University of Canterbury Seismic Evaluation –

Full seismic hazard evaluation of approx 70 existing concrete and steel buildings and services dating from 1950's.

Preparation of preliminary strengthening options for critical buildings

Publications

H.J. Hare, Case Study: Christchurch Government Buildings Strengthening and Refurbishment, Bulletin N.Z National Society for Earthquake Engineering, Vol 29, No 3, December, 1996 (from NZNSEE Conference, March 1996)

H.J. Hare and B.A. Gilmore, Case Study: Contrasting Approaches for Three ERB (Earthquake Risk Buildings) Studies, NZNSEE Conference, March 1997

H.J. Hare and T. E. Kelly, Evaluating Concrete Buildings – A Non-linear Dynamic Procedure, Paper to Australasian Structural Engineering Conference, Auckland, September 1998.

H.J. Hare et al, “Precast Double Tee Support Systems” – Draft Paper, SESOC, February 2009

H.J. Hare and B.D. Galloway, Building Evaluation Processes Following the Darfield earthquake, Paper to NZSEE conference, 2011

H.J. Hare and B.D. Galloway, Response of multi-storey buildings to the Darfield Earthquake, Paper to NZSEE conference, 2011



B.D. Galloway and H.J. Hare, A review of post-earthquake building control policies with respect to the recovery of the Christchurch CBD, draft paper to NZSEE conference, 2012

H.J. Hare, S.J. Oliver and B.D. Galloway, Performance Objectives for Low Damage Seismic Design of Buildings, draft paper to NZSEE conference, 2012

Principle author, Guidance on Detailed Engineering Evaluation of Non-residential buildings, Parts 1,2,3, Draft documents issued 2011,12

#HCGCHC_ME