Canada National Building Code 2005

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Quebec construction code
The National Building Code - Its Development and Use in Canada
Part 9 of the National Building Code of Canada and the Canadian Code for Residential Construction
Interpretation No.14 - N.B.C. (1953), Subject: Modular Building Units and the National Building Code
National Fire Code of Canada 2005, National Plumbing Code of Canada 2005, Parts 4,5 and 6 of the National Building Code of Canada 2005
National Building Code of Canada (1960) : First Draft for Public Comment, Part 8, Construction Safety Measures
Canadian Standards in Building Codes
User's guide, NBC 2005 [National Building Code of Canada] : structural commentaries (Part 4 of Division B)/ issued by the Canadian Committee on Building and Fire Codes, National Research Council of Canada
User's Guide--NBC 2005 Structural Commentaries (Part 4 of Division B)
Canada Building Code for the North, 1968
Issues Paper on the National Building Code of Canada : a Report
National Plumbing Code of Canada, 2005
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KALEIGH DAPHNE

Critical comparison of major seismic codes for buildings fib Fédération internationale du béton

The current state-of-the-art allows seismologists to give statistical estimates of the probability of a large earthquake striking a given region, identifying the areas in which the seismic hazard is the highest. However, the usefulness of these estimates is limited, without information about local subsoil conditions and the vulnerability of buildings. Identifying the sites where a local ampli?cation of seismic shaking will occur, and identifying the buildings that will be the weakest under the seismic shaking is the only strategy that allows effective defence against earthquake damage at an affordable cost, by applying selective reinforcement only to the structures that need it. Unfortunately, too often the Earth's surface acted as a divide between seism- ogists and engineers. Now it is becoming clear that the building behaviour largely depends on the seismic input and the buildings on their turn act as seismic sources, in an intricate interplay that non- linear phenomena make even more complex. These phenomena are often the cause of observed damage enhancement during past ear- quakes. While research may pursue complex models to fully understand soil dyn- ics under seismic loading, we need, at the same time, simple models valid on average, whose results can be easily transferred to end users without prohibitive expenditure. Very complex models require a large amount of data that can only be obtained at a very high cost or may be impossible to get at all.

Building Code Natural Resources Canada fib Bulletin 69 illustrates and compares major buildings seismic codes applied in the different Continents, namely U.S., Japan, New Zealand, Europe, Canada, Chile and Mexico. Bulletin 69 was prepared by Task Group 7.6 of fib Commission 7, under the leadership of the late Professor Robert (Bob) Park which, in tandem with Professor Paulay, had developed in the seventies new fundamental design concepts, most

notably capacity design approach and structural design for ductility, that had made the NZ seismic Code the most advanced one of the time. This new approach has highly influenced the development of Eurocode 8, to which Bob Park has significantly contributed. Bob Park was also well informed of the situation in Japan, USA, Canada and South America. Such a wide view is reflected in Bulletin 69 showing similarities and differences among the major seismic codes, accompanied as far as possible by comments, hopefully useful for fostering international harmonization. A comprehensive summary of the major codes is provided in the first chapter of the bulletin. All codes are separately presented according to a common framework: an introduction section, which describes the history, the philosophy, the process development, the performance-based criteria, the strength of materials and the incorporation of strength reduction factors of each code; a second section devoted to the demand side, which specify the seismic design actions and associated criteria of each code for areas of different seismicity and for structures with different ductility properties/requirements; a third section devoted to the capacity side, which describes the capacities of members and joints and associated criteria of each code, including member strengths in flexure, shear and bars anchorage, desirable hierarchies of strength attainment, deformation capacities of mechanisms of inelastic deformation, detailing of beams, columns and structural walls, detailing of beam-column joints for shear and the detailing of diaphragms. The second chapter is devoted to the comparison of the more significant issues dealt in the considered codes. This includes: seismic design actions and associated criteria, capacity design practice, beams, columns, confinement, structural walls and joints. It is felt that fib Bulletin 69 represents a useful, unique instrument for rapidly gaining an overview of the distinguishing features of the major world codes, under both their conceptual framework and application rules.

National Building Code of Canada, 1965 Springer Science & Business Media
The 1995 edition of the National Building Code (NBC), National Fire Code, Canadian Housing Code, Canadian Plumbing Code and Canadian Farm Building Code are all in their final stages of review. The texts of two new codes --the National Energy Code for Houses, and the National Energy Code for Buildings --are also due to be issued in 1995. This report describes the origins and evolution of the National Building Code and outlines the proposed code revisions for the 1995 edition. It also reviews the five principal issues concerning building codes and regulations in Canada today. They include: -The harmonization of building regulations across Canada; -The expanding scope of national model codes; -The daunting challenge of code revision; -The impact of building code changes on construction costs, housing affordability and global competitiveness; and -The enforcement of building regulations.

National Building Code of Canada, 2005 CMHC
The National plumbing code sets out technical provisions for the design and installalation of new plumbing systems. It also applies to the extension, alteration, renewal and repair of existing plumbing systems.

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