

Canadian
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Engineering Guide for Wood Frame Construction 2014 Edition



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Preface

The Canadian Wood Council (CWC) is the national federation of forest products associations responsible for development and communication of technical information about the use of wood products in construction. Ensuring that this information is in tune with technical changes and users' needs is accomplished through the publication and updating of CWC manuals, software, technical bulletins and case studies.

The Engineering Guide for Wood Frame Construction has been produced by CWC to provide guidance to engineers, building designers, building officials, builders, and students of these disciplines, on the structural design of wood elements and connections for wood frame buildings that:

- (a) fall within the scope of Part 9, "Housing and Small Buildings," of the National Building Code of Canada, and
- (b) due to the size, location or configuration of the building, engineering design is required in order to augment the prescriptive requirements in Part 9 (See the Foreword for additional explanation).

This is the fourth edition of the Guide and it supersedes the previous editions published in 2001, 2004 and 2009. The Guide was revised, in this 2014 Edition, in order to conform to changes in the 2015 edition of the National Building Code of Canada.

Article 9.4.1.1 of the 2015 National Building Code of Canada references the "Engineering Guide for Wood Frame Construction," published by the Canadian Wood Council as an example of good engineering practice for the design of Part 9 structural members and their connections. Design Requirements are provided in Part B of the Guide and Supplementary Design Tables are provided in Part D of the Guide.

Guidance on the National Building Code of Canada Part 9 Lateral Load prescriptive requirements can be found in Part C "Supplementary Guidelines on Applicability and Scope" of the Guide.

It is intended that the Guide be used in conjunction with competent engineering design, accurate fabrication and adequate supervision of construction. Every effort has been made to ensure that the data and information in the Guide are accurate and complete. The CWC does not, however, assume any responsibility for errors or omissions in the Guide nor for designs or plans prepared from it.

This edition of the Guide was developed with technical input from a committee of engineers, builders, building regulators, researchers and industry representatives. The Canadian Wood Council gratefully acknowledges the contribution of the following people:

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For additional technical information or to receive more information on CWC design tools, call this toll-free number 1-800-463-5091 or visit the CWC web site at www.cwc.ca.

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