

**AWC WFCM-2012**  
**Approval Date:**  
**November 29, 2011**

# **WFCM**

**Wood Frame Construction Manual  
for One- and Two-Family Dwellings**

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**2012 EDITION**



**AMERICAN WOOD COUNCIL**

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American Wood Council

**Wood Frame Construction Manual (WFCM) for One- and Two-Family Dwellings 2012 Edition**

First Web Version: November 2011

ISBN 978-0-9827380-4-7

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Printed in the United States of America

## Foreword

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The *Wood Frame Construction Manual for One- and Two-Family Dwellings (WFCM)* provides engineered and prescriptive design requirements for wood frame construction used in one and two-family dwellings. The provisions of the *WFCM* are based on dead, live, snow, seismic and wind loads derived from provisions of the *ASCE 7-10 Minimum Design Loads for Buildings and Other Structures*. In general, the framing systems described in the *WFCM* utilize repetitive member wood assemblies.

The *WFCM* includes general information on loads and resistances. The limitations of applicability are provided in Chapters 2 and 3. Chapter 2 provides minimum loads for buildings within the scope of this document for the purpose of establishing specific resistance requirements. Note that Chapter 2 also contains some necessary construction details. These details have been derived from typical code provisions and are included in Chapter 2 for the convenience of the designer. Chapter 3 provides several prescriptive solutions derived from Chapter 2 load requirements. Therefore, it is perfectly acceptable to use Chapter 3 provisions for parts of a design and Chapter 2 for other parts.

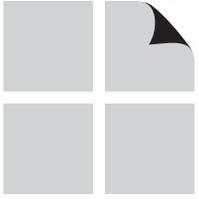
The user should be aware that tables often include condensed information that covers more than one design condition. In keeping with good engineering practice, this often results in tables that are based on the worst case.

For specific design cases, the user may find advantages to computing design requirements directly from *ASCE 7-10* load requirements using the actual building geometry. This will usually result in some added economy in design.

Since the first edition of the *WFCM* in 1995, the Association's Technical Committee has continued to study and evaluate new data and developments in wood design. Subsequent editions of the *WFCM* have included appropriate revisions to provide for use of such new information. This edition incorporates numerous changes considered by AWC's ANSI-accredited Wood Design Standards Committee. The contributions of the members of this Committee to improvement of the *WFCM* as a national design standard for wood construction are especially recognized.

In developing the provisions of the *WFCM*, the most reliable data available from laboratory tests and experience with structures in-service have been carefully analyzed and evaluated for the purpose of providing a consistent standard of practice. It is intended that this document be used in conjunction with competent engineering design, accurate fabrication, and adequate supervision of construction. Therefore, AWC does not assume any responsibility for errors or omissions in the *WFCM* nor for engineering designs or plans prepared from it.

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