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ACCEPTANCE CRITERIA FOR SNOW LOAD DESIGN CALCULATION PROCEDURES OF THE 1995 NATIONAL BUILDING CODE OF CANADA AS AN ALTERNATE TO THOSE IN THE 1997 *UNIFORM BUILDING CODE*™

AC135

April 1998

PREFACE

Evaluation reports issued by the ICBO Evaluation Service, Inc. (ICBO ES), are based upon performance features of the *Uniform Building Code*™, *ICBO Uniform Mechanical Code*™ and related codes. Section 104.2.8 of the *Uniform Building Code* is the primary charging section upon which evaluation reports are issued. Section 104.2.8 reads as follows:

The provisions of this code are not intended to prevent the use of any material, alternate design or method of construction not specifically prescribed by this code, provided any alternate has been approved and its use authorized by the building official.

The building official may approve any such alternate, provided the building official finds that the proposed design is satisfactory and complies with the provisions of this code and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in suitability, strength, effectiveness, fire resistance, durability, safety and sanitation.

The building official shall require that sufficient evidence or proof be submitted to substantiate any claims that may be made regarding its use. The details of any action granting approval of an alternate shall be recorded and entered in the files of the code enforcement agency.

The attached acceptance criteria for the general code sections noted has been issued to provide all interested parties with guidelines on implementing performance features of the codes. The attached acceptance criteria was developed and adopted following public hearings conducted by the Evaluation Committee. If the criteria is an updated version from a previous edition, solid vertical lines (■) in the outer margin within the criteria indicate a technical change or addition from the previous edition. Deletion indicators (◀) are provided in the outer margins where a paragraph or item has been deleted if the deletion resulted from a technical change. This criteria may be revised from time to time as the need dictates.

ICBO ES may consider alternate criteria, provided the proponent submits valid data demonstrating that the alternate criteria are at least equivalent to the attached criteria and otherwise meet the applicable performance requirements of the codes. Notwithstanding that a material, type or method of construction, or equipment, meets the attached acceptance criteria, or that it can be demonstrated that valid alternate criteria are equivalent and otherwise meet the applicable performance requirements of the codes, if the material, product, system or equipment is such that either unusual care in its installation or use must be exercised for satisfactory performance, or malfunctioning is apt to cause unreasonable property damage or personal injury or sickness relative to the benefits to be achieved by the use thereof, ICBO ES retains the right to refuse to issue or renew an evaluation report.

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1.0 INTRODUCTION

This criteria adopts by reference the snow load calculation provisions in the 1995 National Building Code of Canada as an alternate to the snow load calculation provisions in Chapter 16, Division II, and Appendix 16, Division I, of the 1997 *Uniform Building Code*TM. The use of the alternate snow load design provisions from the National Building Code of Canada is limited to the design of arch-shaped, frame-covered structures.

2.0 REFERENCES

2.1 1997 *Uniform Building Code*.

2.2 Section 4.1.7, Appendix A, and Appendix C of the 1995 National Building Code of Canada.

2.3 Commentary H of the User's Guide to the 1995 National Building Code of Canada.

3.0 DEFINITIONS

3.1 Frame-covered Structure: A frame-covered structure is a nonpressurized building wherein the structure is composed of a rigid framework to support tensioned membranes that provide the weather barrier. The frame-covered structure shall comply with the provisions of Appendix Chapter 16, Division II, of the *Uniform Building Code*.