

CHAPTER 1

ADMINISTRATIVE PROVISIONS

SECTION 101 ADMINISTRATIVE PROVISIONS

101.1 Scope. This standard establishes the minimum requirements for log structures to safeguard the public health, safety and welfare through structural, thermal, and settling provisions. This standard is intended for adoption by local governmental agencies and organizations setting model codes to achieve uniformity in technical design criteria in building codes and other regulations.

SECTION 102 APPLICABILITY

102.1 Applicability. The construction of new log structures shall comply with this standard.

SECTION 103 PROVISIONS FOR COMPLIANCE

103.1 Provisions for compliance. This standard provides the minimum design requirements for the construction of log structures. In lieu of these provisions, or where these provisions are not applicable, accepted engineering methods and practices in accordance with the appropriate sections of the *International Building Code* or the *International Residential Code* as applicable for the intended use of the structure shall be permitted to be used. Structural elements that meet the applicability provisions of Section 102, but are not within the limits of the design provisions of this Standard shall be designed in accordance with the appropriate sections of the *International Building Code* or the *International Residential Code* as applicable.

SECTION 104 COMPLIANCE ALTERNATIVES

104.1 Alternative material, design and methods of construction and equipment. The provisions of this standard are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this standard, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this standard, and that the material, method of work offered is, for the purposes intended, at least the equivalent of that prescribed in this standard in quality, strength, effectiveness, fire resistance, durability and safety.

104.1.1 Evaluation reports. Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this standard, shall consist of valid evaluation reports from approved sources.

104.1.2 Tests. Whenever there is insufficient evidence of compliance with the provisions of this standard, or evidence that a material or method does not conform to the requirements of this standard, or in order to substantiate claims of alternative materials or methods, the building official shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized test methods, the building official shall approve the testing procedures. Tests shall be performed by an approved agency. Reports of such tests shall be retained by the building official for the period required for retention of public records.

SECTION 105 CONVENTIONS

105.1 Conventions. Dimensions that are not stated as “maximum or minimum” are absolute. All dimensions are subject to conventional industry standard.

SECTION 106 INSPECTIONS

106.1 Inspections. During the course of the construction the code official is authorized to make all of the necessary inspections, or the code official shall have the authority to accept reports of inspections by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual. The code official is authorized to engage such expert opinion deemed necessary to report upon unusual technical issues that arise.

SECTION 107 FOUNDATIONS

107.1 Foundations. Foundations systems shall be designed in accordance with the appropriate sections of the *International Building Code* or the *International Residential Code* as applicable for the intended use of the structure.

SECTION 108 DESIGN LOADS

108.1 Design Loads. Loads and load combinations shall be in accordance with the provisions of this section.

108.2 Loads. Loads applied to log structures shall be in accordance with the *International Building Code*.

Exception: For log structures used as one- and two-family dwellings and their accessory structures, loads shall be permitted to be determined in accordance with AF&PA’s *Wood Frame Construction Manual (WFCM) for One- and*

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Two-Family Dwellings, or the *International Residential Code*.

108.3 Load combinations. Load combinations applied to log structures shall be in accordance with the *International Building Code*.

Exception: For log structures used as one- and two- family dwellings, load combinations shall be permitted to be determined in accordance with the *International Residential Code*.

108.4 Dead loads due to self-weight. Dead loads due to self weight of logs shall be in accordance with the provisions of this section.

108.4.1 Gravity loads. The weight of logs used to determine dead loads for calculating foundation and other support conditions shall be based on log profile (size), wood species (density), and either service moisture content in accordance with Section 302.2.2.2 or design moisture content in accordance with Section 302.2.2.1 whichever is greater.

108.4.2 Uplift resistance. The weight of logs used to determine dead loads for resisting uplift forces shall be based on the minimum calculated service moisture content determined in Section 302.2.2.2.

SECTION 109 REFERENCED DOCUMENTS

109.1 Reference documents. The codes and standards referenced in this standard shall be considered part of the requirements of this standard to the prescribed extent of each such reference. Chapter 5 contains a complete list of all referenced standards.