

481—301.23(103A) Scope and applicability of energy conservation requirements.

301.23(1) Scope. Part 3 establishes thermal energy efficiency standards for the design of new buildings and structures or portions thereof, additions to existing buildings, and renovation and remodeling of existing buildings, except for residential buildings of one or two dwelling units, that are intended for human occupancy and that are heated or cooled by regulating their exterior envelopes and selection of their heating, ventilation, and air-conditioning systems, service water heating systems and equipment for the efficient use of energy, and lighting efficiency standards for buildings intended for human occupancy that are lighted.

301.23(2) Applicability. Part 3 applies to design and construction of buildings that are intended for human occupancy throughout the state of Iowa. Any construction of buildings or facilities that are intended for human occupancy and that are heated or cooled is covered, with the exception of renovation and remodeling of residential buildings of one or two dwelling units, which are not covered. Rule 481—301.24(103A) establishes standards for design and construction of residential buildings of three or fewer stories. Rule 481—301.25(103A) establishes standards for design and construction of commercial buildings and residential buildings of four or more stories. The occupancy of any building covered by this chapter shall be determined based upon the occupancy definitions in chapter 3 of the International Building Code, as adopted in rule 481—301.3(103A).

301.23(3) Review by architect or engineer. Plan review shall meet the following criteria:

a. The plans and specifications for all buildings to be constructed that exceed a total volume of 100,000 cubic feet of enclosed space that is heated or cooled are reviewed by a registered architect or licensed professional engineer for compliance with applicable energy efficiency standards. Buildings with less than 100,000 cubic feet can be reviewed by the owner or designated representative.

b. A statement that a review has been accomplished and that the design complies with the energy efficiency standards is signed and sealed by the responsible registered architect or licensed professional engineer. This statement is filed with the commissioner or a local building official on a form approved by the commissioner prior to construction or before obtaining any local permits. The statement is filed with the commissioner for any project that is subject to plan review by the building code bureau.

c. If the plans and specifications relating to energy efficiency for a specific structure have been approved, additional buildings may be constructed from those same plans and specifications without need of further approval if construction begins within five years of the date of approval. Alterations of a structure that has been previously approved do not require a review because of these changes, provided the basic structure remains unchanged and no additional energy is necessary for heating, cooling or lighting.

d. Prior to the completion of construction, no changes are made to any approved plan or specifications that increase the amount of energy used for heating, cooling, or lighting unless the changes are approved by the responsible registered architect or licensed professional engineer in writing and notice has been filed with the commissioner or a local building official. The commissioner or a local building official is notified of any change that is anticipated to decrease the amount of energy used. The commissioner is notified pursuant to this paragraph for any project that is subject to plan review by the bureau.

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