

CHAPTER 9

MESA ENERGY CODE

(5055)

4-9-1: INTERNATIONAL ENERGY CODE ADOPTED (5055)

4-9-2: PENALTY CLAUSE (5055)

4-9-1: INTERNATIONAL ENERGY CODE ADOPTED: (5055)

That certain document known as the International Energy Conservation Code, which has been published as a Code in book form by the International Code Council and entitled International Energy Conservation Code, 2009 Edition, is hereby referred to, adopted, and made a part hereof as if fully set forth in this Section, with the following changes in and amendments to said Code: (5055)

(A) Section 101.1 Title is amended to read as follows: (5055)

101.1 Title. These regulations shall be known as the "Mesa Energy Code," may be cited as such, and will be referred to herein as "this Code." For administration of this Code, refer to Title 4, Chapter 1, the Mesa Administrative Code. (5055)

101.1.1 Above Code Programs. The Building Official shall be permitted to deem a national, state or local energy efficiency program to equal or exceed energy efficiency required by this Code. Buildings approved in writing by such an energy efficiency program shall be considered in compliance with the Mesa Energy Code, except the requirements identified as "mandatory" in Chapters 4 and 5 of the Mesa Energy Code, as applicable, shall still be applicable and met. (5055)

(B) Sections 101.2 through 109 inclusive are deleted in their entirety. (5055)

(C) Section 202 General Definitions is amended to add: (5055)

DWELLING UNIT: A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation. See R-5 definition. (5055)

(D) Section 401 is amended to add: (5055)

Section 401.4 Compliance Testing. Where testing is required to determine air leakage of duct systems, the Building Official may allow random testing of no fewer than one in seven single family dwellings within a subdivision. (5055)

- (E) Section 402.2.1 Ceilings with Attic Spaces is amended by adding new exception: (5055)

Exception:

For conventionally framed roof systems where the design of the roof/ceiling assembly does not allow sufficient space for the required insulation, the insulation may be reduced, but shall not be less than R-19, if the minimum frame wall insulation value is R-19 or the minimum SEER rating for heating and cooling equipment is 14. The reduction of ceiling insulation shall be limited to areas where roof framing bears on exterior walls and shall not extend further than 12" from face of exterior wall. (5055)

- (F) Section 403.2.1 Duct Insulation is amended by adding new exception: (5055)

Exception:

Supply ducts may be insulated to a minimum of R-6 when one or more of the following conditions is met: (5055)

1. Minimum SEER rating of space heating/cooling system is 14. (5055)
2. Maximum U-factor is 0.60 and maximum SHGC is 0.27 for all fenestration products. (5055)
3. Wall insulation minimum R-value is R-19. (5055)

- (G) Section 403.2.2 is amended to change reference M1601.4.1 to M1601.3.1 (5055)

- (H) Section 403 Systems is amended by adding a new Section 403.10 at the end to read as follows: (5055)

403.10 Equipment Efficiency. Space heating, space cooling, and hot water heating systems shall meet the prevailing federal minimum standards for efficiency rating. (5055)

- (I) Section 501.2 Application shall be amended to adding a new exception: (5055)

Exception:

2. Industrial buildings containing unique uses and processes that may conflict with the Energy Code. The Building Official may grant exemptions from Mesa Energy Code requirements for buildings or improvements due to unique or specialized processing systems or components, such as prefabricated paint booths or assembly line enclosures. (5055)

- (J) Chapter 6 Referenced Standards is amended by replacing ASTM C90-06B with ASTM C90-03. (5055)

4-9-2: PENALTY CLAUSE: (5055)

Any person, firm, or corporation who shall violate any of the provisions of this Chapter of the Mesa City Code as amended shall be subject to all penalties and provisions of Section 4-1-9. (5055)