

ADM9–09/10

PART I: IBC 107.2, 107.2.1 (New); IEBC 106.2.1, 106.2.2 (New); IECC 103.2, 103.2.1 (New); IFC 105.4.2, 105.4.3 (New)

PART II: IRC R106.1.1

Proponents: Bill Prindle, ICF International, representing the Energy Efficient Codes Coalition; Jeff Harris, Alliance to Save Energy; Harry Misuriello, American Council for an Energy-Efficient Economy (ACEEE); Garrett Stone, Brickfield, Burchette, Ritts & Stone ; Steve Rosenstock, Edison Electric Institute; Brian Dean, ICF International

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE COMMITTEE. PART II WILL BE HEARD BY THE IRC BUILDING/ENERGY COMMITTEE. SEE THE TENTATIVE HEARING ORDERS FOR THESE COMMITTEES.

PART I – IBC, IEBC, IECC, IFC

IBC Revise as follows:

107.2.1 Information on construction documents. *Construction documents* shall be dimensioned and drawn upon suitable material. Electronic media documents ~~are permitted to be submitted~~ shall be submitted when required or, if not required, when approved by the building official. *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

107.2.2 Summary of code compliance plans provided with construction documents. Construction documents prepared in accordance with section 103.2 shall contain a summary of how the proposed building will meet all of the applicable requirements under this code on separate sheets of such documents to assist code officials in plan reviews and field inspections where required by the code official. The code official may specify a particular format for this document.

IEBC Revise as follows:

106.2.1 Construction documents. *Construction documents* shall be dimensioned and drawn upon suitable material. Electronic media documents ~~are permitted to be submitted~~ shall be submitted when required or, if not required, when approved by the code official. *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *code official*. The work areas shall be shown.

106.2.2 Summary of code compliance plans provided with construction documents. Construction documents prepared in accordance with section 103.2 shall contain a summary of how the proposed building will meet all of the applicable requirements under this code on separate sheets of such documents to assist code officials in plan reviews and field inspections where required by the code official. The code official may specify a particular format for this document.

IECC Revise as follows:

103.2 Information on construction documents. Construction documents shall be drawn to scale upon suitable material. Electronic media documents ~~are permitted to be submitted~~ shall be submitted when required or, if not required, when approved by the code official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed, and show in sufficient detail pertinent data and features of the building, systems and equipment as herein governed. Details shall include, but are not limited to, as applicable, insulation materials and their *R*-values; fenestration *U*-factors and SHGCs; area-weighted *U*-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; economizer or energy recovery ventilation system description and efficiency; equipment and systems controls description; fan motor horsepower (*hp*) and controls description; duct sealing, duct and pipe insulation R-value and location; lighting fixture schedule with wattage and control narrative; and air sealing details including blower door requirements or air barrier criteria checklist.

103.2.1 Summary of code compliance plans provided with construction documents. Construction documents prepared in accordance with section 103.2 shall contain a summary of how the proposed building will meet all of the applicable requirements under this code on separate sheets of such documents to assist code officials in plan reviews and field inspections where required by the code official. The code official may specify a particular format for this document.

IFC Revise as follows:

105.4.2 Information on construction documents. Construction documents shall be drawn to scale upon suitable material. Electronic media documents ~~are allowed to be submitted~~ shall be submitted when required or, if not required, when approved by the fire code official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations as determined by the *fire code official*.

105.4.3 Summary of code compliance plans provided with construction documents. Construction documents prepared in accordance with Section 105.5 shall contain a summary of how the proposed building will meet all of the applicable requirements under this code on separate sheets of such documents to assist fire code officials in plan reviews and field inspections where required by the fire code official. The fire code official may specify a particular format for this document.

PART II – IRC BUILDING/ENERGY

R106.1.1 Information on construction documents. Construction documents shall be drawn to scale upon suitable material. Electronic media documents ~~are permitted to be submitted~~ shall be submitted when required or, if not required, when approved by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in sufficient detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official* where required by the *building official*, all braced wall lines, shall be identified on the *construction documents* and all pertinent ~~information~~ data and features of the building, systems and equipment as herein governed. Details shall include including, but are not limited to, as applicable, bracing methods, location and length of braced wall panels, foundation requirements of braced wall panels at top and bottom shall be provided; insulation materials and their R-values; fenestration U-factors and SHGCs; area weighted U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; economizer or energy recovery ventilation system description and efficiency; equipment and system controls description; fan motor horsepower and controls description; duct sealing, duct and pipe insulation R-value and location; lighting fixture schedule with wattage and control narrative; and air sealing details including blower door requirement or air barrier criteria checklist.

Reason: This purpose of this proposal is to update the language of this section to reflect additional requirements added since this provision was last revised and also to improve the clarity of required information on the construction documents. The information on constructions documents section has also been modified to include language that allows the code officials to require paperless document submittal.

This proposal also adds a new subsection permitting the code official to require that a separate summary of how the proposed building will meet all of the requirements under this code be provided as part of the construction documents. This provision also permits the code official to specify a particular format for this submittal. The effect of these provisions is to enhance code compliance and ease of enforcement of the energy code requirements.

Cost Impact: The code change proposal will not increase the cost of construction.

Public Hearing: Committee: AS AM D
Assembly: ASF AMF DF