

EC23–09/10

401.3; IRC N1101.9

Proponent: 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 IECC COMMITTEE. PART II WILL BE HEARD BY THE IRC BUILDING/ENERGY COMMITTEE. SEE THE TENTATIVE HEARING ORDERS FOR THESE COMMITTEES.

PART I – IECC

Revise as follows:

401.3 Certificate. A permanent certificate shall be posted on or in the electrical distribution panel. The certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels. The certificate shall be completed and signed by the builder or registered design professional and shall constitute such individual's certification of the information contained on the certificate. The certificate shall list:

1. The predominant location and R-values of insulation installed in or on the ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and/or floor), pipes and ducts inside and outside of conditioned spaces;
2. The U-factors for fenestration and the solar heat gain coefficient (SHGC) of fenestration. Where there is more than one value for each component, the certificate shall either list the individual values with associated square footage or the weighted-average value covering the largest area.
3. The tested air leakage and the tested duct leakage where required for compliance;
4. The types and listed wattage for all lamps in permanently installed locations where required for compliance; and
5. The certificate shall list the types, capacities and efficiencies of heating, cooling and service water heating and any related equipment, including fan motor horsepower, controls, mechanical ventilation, economizer or energy recovery ventilation equipment, dehumidification, or pumping equipment. Where a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, the certificate shall list "gas-fired unvented room heater," "electric furnace," or "baseboard electric heater" as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces, or electric baseboard heaters.

PART II – IRC BUILDING/ENERGY

Revise as follows:

N1101.9 Certificate. A permanent certificate shall be posted on or in the electrical distribution panel. The certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels. The certificate shall be completed and signed by the builder or registered *design professional* and shall constitute such individual's certification of the information contained on the certificate. The certificate shall list:

1. ~~The predominant location and R-values of insulation installed in or on the ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and/or floor), pipes and ducts inside and outside of conditioned spaces;~~
2. ~~The U-factors for fenestration and the solar heat gain coefficient (SHGC) of fenestration. Where there is more than one value for each component, the certificate shall either list the individual values with associated square footage or the weighted-average value, covering the largest area.~~
3. ~~The tested air leakage and the tested duct leakage where required for compliance;~~
4. ~~The types and listed wattage for all lamps in permanently installed locations where required for compliance; and~~
5. ~~The certificate shall list the types, capacities and efficiencies of heating, cooling and service water heating and any related equipment, including fan motor horsepower, controls, mechanical ventilation, economizer or energy recovery ventilation equipment, dehumidification, or pumping equipment. Where a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, the certificate shall list "gas-fired unvented room heater," "electric furnace," or "baseboard electric heater" as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces, or electric baseboard heaters.~~

Reason: The purpose of this proposal is to update the certificate requirements to include recent requirements added to the code and potential new requirements and also to improve the clarity of required information on the certificate. The proposal is also intended to require the certificate to be signed by the responsible party as a certification of the accuracy of the information on the certificate.

Two new sections have been added, including:

1. Testing for air leakage and ducts
2. Lighting

In addition, the section on heating, cooling and service water heating is proposed to be expanded to include various other equipment that are already required as information on construction documents in this section to increase consistency in the information that code officials and builders are using.

Finally, the last two lines were deleted to ensure that any equipment is reported consistently in the heating, cooling and service water heating section of this section.

These proposed modifications to this section are reasonable and will improve the usability and accuracy of the currently required certificate.

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

PART I – IECC

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

PART II – IRC

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

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