

2006 International Energy Conservation Code
Highlights for Massachusetts

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 by the builder or registered design professional. The certificate shall list the predominate R-values of insulation installed in the ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and/or floor) and ducts outside conditioned spaces; 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 list the value covering the largest area. The certificate shall list the type and efficiency of heating, cooling and service water heating equipment. Where a gas-fired unvented room heater, electric furnace, and/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 base board heaters.

402.1 General. (Prescriptive)

402.1.1 Insulation and fenestration criteria. The building thermal envelope shall meet the requirements of Table 402.1.1.

TABLE 402..1.1
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

CLIMATE ZONE	5 (Massachusetts)
FENESTRATION U-FACTOR	0.35
SKYLIGHT U-FACTOR	0.60
GLAZED FENESTRATION SHGC	NR
CEILING R-VALUE	38
WOOD FRAME WALL R-VALUE	19 OR 13+5(cavity+ridged)
MASS WALL R-VALUE	13/17
FLOOR R-VALUE	30
BASEMENT WALL R-VALUE	10/13 (continuous/ or cavity)
SLAB R-VALUE & DEPTH	10, 2ft
CRAWL SPACE WALL R-VALUE	10/13 continuous/ or cavity)

402.2.3 Access hatches and doors. Access doors from conditioned spaces to unconditioned spaces (e.g., attics and crawl spaces) shall be weatherstripped and insulated to a level equivalent to the insulation on the surrounding surfaces. Access shall be provided to all equipment which prevents damaging or compressing the insulation.

402.2.5 Floors. Floor insulation shall be installed to maintain permanent contact with the underside of the subfloor.