

**ENERGY CONSERVATION APPLICATION FORM FOR
LOW-RISE RESIDENTIAL NEW CONSTRUCTION AND ADDITIONS
780 CMR Appendix J**

Applicant Name: _____ Site Address _____
 Applicant Address: _____ City/Town _____
 _____ Use Group _____
 _____ Date of Application _____
 Applicant Phone _____ Applicant Signature _____

Compliance Path (check one):

Perscriptive Package (Limited to 1- or 2-family wood frame buildings heated with fossil fuels only)

Package (A through KK from Table J5.2.1b): _____ Heating Degree Days (HDD₆₅) from Tables J5.2.1a: _____

(For items d. through i., fill in all values that apply from Table J5.2.1b:)

- | | | | |
|----------------------------|---------------|-------------------|----------|
| a. Gross Wall Area | _____ sq. ft. | f. Wall R-value | R- _____ |
| b. Glazing Area' | _____ sq. ft. | g. Floor R-value | R- _____ |
| c. Glazing % (100 x b ÷ a) | _____ % | h. Basement wall | R- _____ |
| d. Glazing U-value | U- _____ | i. Slab Perimeter | R- _____ |
| e. Ceiling R-Value | R- _____ | j. Heating AFUE | _____ |

Component Performance: "Manual Trade-Off" (Limited to wood or metal framed buildings only)

Climate Zone (from figure J6.2.2) Zone 12 Zone 13 Zone 14
 Attach *Trade-Off Worksheet* from Appendix J, [and *HVAC Trade-Off Worksheet*, if applicable]

MAScheck Software

Attach *Compliance Report* and *Inspection Checklist* printouts

Home Energy Rating System Evaluation

Attach Home Energy Rating Certificate (HERS rating score must be 83 or higher)

Systems Analysis **OR** **Renewable Energy Sources**

Attach Mass Registered Architect or Engineer Analysis

ALTERNATIVE FOR ADDITIONS ONLY:

a. Gross Wall + Ceiling Area _____sq.ft. b. Glazing Area' _____ c. Glazing % (100 x b ÷ a _____ %

ADDITION with Glazing % (c.) up to 40% may be used 780 CMR Table J1.1.2.3.1 below:

MAXIMUM U-Value		MINIMUM R-Values			
Fenestration ²	Ceiling ³	Wall	Floor	Basement Wall	Slab Perimeter, Depth
0.39 ²	R-37	R-13	R-19	R-10	R-10, 4 ft.

- Glazing Area may be either Rough Opening or Unit dimensions.
- Based on NFRC listing. Applies either to every unit, or to area-weighted average of all units.
- R-30 ceiling insulation may be used in place of R-37 if the insulation achieves the full R-value over the entire ceiling area (i.e. not compressed over exterior walls, and including any access openings.)

"SUNROOM" addition (greater than 40% glazing-to-wall and ceiling gross area)

Attach "Consumer Information Form" from 780 CMR Appendix B.

Official's Name: _____ Official's Signature _____

Application Approved Denied Date of Approval/Denial: _____

Reason(s) for Denial: (provide additional details as needed on back side)