

**ENERGY CONSERVATION APPLICATION FORM FOR  
LOW-RISE RESIDENTIAL NEW CONSTRUCTION and ADDITIONS**  
780 CMR Appendix J (effective 3/1/98)

Applicant Name: \_\_\_\_\_  
Applicant Address: \_\_\_\_\_  
Applicant Phone: \_\_\_\_\_

Site Address: \_\_\_\_\_  
City/Town: \_\_\_\_\_  
Use Group: \_\_\_\_\_  
Date of Application: \_\_\_\_\_  
Applicant Signature: \_\_\_\_\_

Compliance Path (check one):

Prescriptive 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 (HDD<sub>65</sub>) from Table 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 <sup>1</sup>	_____ 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.

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<sup>1</sup> \_\_\_\_\_ sq.ft.    c. Glazing % (100 x b ÷ a) \_\_\_\_\_ %

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

MAXIMUM U-value	MINIMUM R-Values				
	Ceiling	Wall	Floor	Basement Wall	Slab Perimeter, Depth
0.39	R-37	R-13	R-19	R-10	R-10, 4 ft

"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)

<sup>1</sup> Glazing Area may be either Rough Opening or Unit dimensions.