

**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: _____
Applicant Phone: _____ 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 (HDD₆₅) 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	<u>R-</u> _____
b. Glazing Area ¹	_____sq.ft.	g. Floor R-value	<u>R-</u> _____
c. Glazing % (100 x b ÷ a)	_____%	h. Basement wall	<u>R-</u> _____
d. Glazing U-value	<u>U-</u> _____	i. Slab Perimeter	<u>R-</u> _____
e. Ceiling R-value	<u>R-</u> _____	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 Area¹ _____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				
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

1 Glazing Area may be either Rough Opening or Unit dimensions.

2 Based on NFRC listing. Applies either to every unit, or to area-weighted average of all units.

3 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)