

ENERGY CONSERVATION APPLICATION FORM FOR ENERGY EFFICIENCY FOR ONE- AND TWO-FAMILY DETACHED RESIDENTIAL CONSTRUCTION (780 CMR 61.00)

Applicant Name: _____ Site Address: _____
print

Applicant Phone: _____ Town: Southborough

Applicant Signature: _____ Date of Application: _____

NEW CONSTRUCTION: (choose ONE of the following two options)

**780 CMR TABLE 6107.1
 PRESCRIPTIVE ENVELOPE COMPONENT CRITERIA FOR
 NEW ONE- AND TWO-FAMILY BUILDINGS**

	MAXIMUM	MINIMUM							
	Fenestration U-factor	Ceiling or exposed floors R-Value	Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab Perimeter R-Value and Depth	AFUE	HSPF	SEER
<input type="checkbox"/> <u>Option 1:</u>	.35	R-38	R-19	R-19	R-10	R-10, 4 ft.	National Appliance Energy Conservation Act (NAECA) of 1987 as amended, minimums or greater as applicable		
<input type="checkbox"/> <u>Option 2:</u>	Note: This form is not required if you choose either of the two versions of REScheck as listed below.								
	<input checked="" type="checkbox"/> REScheck Version 4.1.2 or later variant software analysis must be completed (780 CMR 6107.3.2)								
	<input checked="" type="checkbox"/> REScheck-Web which can be accessed at http://www.energycodes.gov/rescheck/								

ADDITIONS OR ALTERATIONS TO EXISTING BUILDINGS OVER 5 YEARS OLD*

*Buildings under 5 years old must use option #1 or #2 in New Construction section above.

Complete the following formula to determine the % of glazing:

(a) Gross Wall & Ceiling Area equals _____ SF

(b) Glazing area equals _____ SF

Formula: $(100 \times b \div a)$

$100 \times \frac{\quad}{b} \div \frac{\quad}{a} = \quad \% \text{ of glazing}$

If glazing is $\leq 40\%$ use the chart below. If glazing is $> 40\%$ proceed to "SUNROOM" section

**780 CMR TABLE 6101.3
 PRESCRIPTIVE ENVELOPE COMPONENT CRITERIA ADDITIONS TO EXISTING
 LOW-RISE RESIDENTIAL BUILDINGS**

	MAXIMUM	MINIMUM				
	Fenestration U-factor	Ceiling and Exposed floors R-Value	Wall R-Value	Floor R-value	Basement Wall R-Value	Slab Perimeter R-Value and Depth
<input type="checkbox"/>	.39	R-37 a	R-13	R-19	R-10	R-10, 4 feet

a 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 – An addition or alteration to an existing building/dwelling unit where the total glazing area of said addition exceeds 40% of the combined gross wall and ceiling area of the addition.

Note: Owner to fill out Consumer Information Form (found in Appendix 120.P)