



## Community Development and Sustainability Department

Address, City, State ZIP

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Website: xxxxx

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# RESIDENTIAL WINDOW/SKYLIGHT ALTERATIONS

Address: \_\_\_\_\_ Permit# \_\_\_\_\_

Number and location of windows/skylights/doors replaced/added: \_\_\_\_\_

**Replacement and added fenestration shall have a maximum U-Factor of 0.32 and a maximum Solar Heat Gain Coefficient (SHGC) of 0.25 or comply with one of the exceptions listed below.** <sup>2, 5, 6</sup>

### ALTERED FENESTRATION ALLOWABLE AREAS <sup>3, 4</sup> (Complete if more than 75 sq. ft. of fenestration is added)

	A	B	C	D	E (C x D = E)	F
	Existing Fenestration Area	Added Fenestration Area	Conditioned Floor Area of Entire Dwelling	Allowed % of CFA	Allowed Fenestration Area	Actual Proposed Area <sup>1</sup>
<b>Total Fenestration Area</b>				<b>20%</b>		≥
<b>West Fenestration Area</b>				<b>5%</b>		≥

1. If total fenestration is over 20%, performance approach must be used to show compliance with Energy Code. If West facing fenestration exceeds 5%, performance approach must be used to show compliance with Energy Code.
2. Up to 10 sq. ft. of fenestration area or .5 percent of the conditioned floor area, whichever is greater, is exempt from the maximum U-factor requirement.
3. Alterations that add up to 16 square feet of new skylight area with a maximum U-factor of 0.55 and a maximum SHGC of 0.30 area shall not be required to meet the total fenestration area 20% CFA and 5% west-facing fenestration area requirements.
4. Alterations that add fenestration area of up to 75 square feet shall not be required to meet the total fenestration area and west-facing fenestration area requirements.
5. Replacement of vertical fenestration no greater than 75 square feet with a U-factor no greater than 0.40 in Climate Zones 1-16, and a SHGC value no greater than 0.35 in Climate Zones 2, 4, and 6-16.
6. Replaced skylights must meet a U-factor no greater than 0.55, and a SHGC value no greater than 0.30.

**NOTE:** Glass replaced in an existing sash and frame or replacement of sashes in an existing frame are considered repairs.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed name: \_\_\_\_\_ Reviewed by (City staff): \_\_\_\_\_

**Note:** If the windows to be replaced are in a sleeping room, and the old windows did not meet current egress (emergency escape) requirements, we strongly encourage you to adjust the framing and window size to meet current egress requirements. In some cases reframing of the opening may be required to bring the egress window into compliance.

**Inspections required:** For simple window replacement without framing changes only one inspection is required. At that time the inspector can verify that the approved windows have been installed. If there is addition of fenestration area or changes in the framing there will be two inspections, one rough inspection to check framing, and a final to check the finish work. The U-Factor and SHGC can be checked whenever the inspector can verify that the approved windows have been installed.

**Important Information:** Do not remove the labels verifying the fenestration values until after the inspection.