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. 2, 5, 6

<table>
<thead>
<tr>
<th>ALTERED FENESTRATION ALLOWABLE AREAS 3, 4</th>
<th>(Complete if more than 75 sq. ft. of fenestration is added)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Existing Fenestration Area</td>
<td>Added Fenestration Area</td>
</tr>
<tr>
<td>Total Fenestration Area</td>
<td></td>
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<tr>
<td>West Fenestration Area</td>
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</tbody>
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1. If total fenestration is over 20%, Performance Method must be used to show compliance with Energy Code. If West facing fenestration exceeds 5%, Performance Method 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: The California Residential Code requires emergency egress from all sleeping rooms. When replacing the windows in sleeping rooms at least one of the openings must meet the egress requirements. This may require reconfiguring the windows to casement type windows or in some cases framing modifications. The code required dimensions for egress windows are minimum 20” wide and 24” tall. The total openable area is 5.7 square feet for windows above the first floor and 5.0 square feet for first floor windows. The maximum sill height is 44” however if a window was framed and installed prior to July 1977 then a 48” sill height is considered code complaint and acceptable.

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.

J:\PB\BLDG\Forms\Website\website update April 10, 2019\Window-Skylight-Worksheet-Alterations.doc  Rev. 4/11/2019