

**SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS****CERTIFICATE OF INSTALLATION****Note:** This table completed by ECC Registry.

Project Name:	Enforcement Agency:
Dwelling Address:	Permit Number:
City and Zip Code:	Permit Application Date:

*If more than one person has responsibility for installation of the items on this certificate, each person shall prepare and sign a certificate applicable to the portion of construction for which they are responsible. Alternatively, the person with chief responsibility for construction shall prepare and sign this certificate for the entire construction. The signer agrees that all applicable Mandatory Measures were met. Temporary labels are not to be removed before verification by the building inspector.*

**A. Fenestration/Glazing**

Includes all Windows, Skylights, Greenhouse/Bay Windows, and Glazed Doors ( $\geq 25\%$  glazing area).

Note: If meeting Exception 1 to Section 150.1(c)3A, new dwelling units with a conditioned floor area of  $\leq 500$  square feet ( $\text{ft}^2$ ) in Climate Zone 5 may comply with a maximum U-factor of 0.30.

If meeting Exception 2 to 150.1(c)3A, for each dwelling unit, up to 3 square feet of glazing area installed in doors and up to 3 square feet of tubular skylights area with dual-pane diffusers shall not be required to meet the U-factor and SHGC requirements of Table 150.1-A.

If meeting Exception 3 to 150.1(c)3A, in Climate Zones 2, 4, and 6 through 15 for each dwelling unit installing  $\leq 16$  square feet ( $\text{ft}^2$ ) of skylight shall meet a maximum U-factor of 0.40 and a maximum SHGC of 0.30. In Climate Zones 1, 3, 5, and 16 there is no SHGC requirement.

If meeting Exception 3 to Section 150.2(b)1B, in Climate Zone 15, vertical fenestration shall have a maximum U-factor of 0.23.

Doors with greater than or equal to 25 percent glazing area are considered glazed doors and are treated as fenestration products.

01	02	03	04	05	06	07	08	09	10	11	12
Tag/ID	Manufacturer/Brand	Fenestration Area ( $\text{ft}^2$ )	Orientation	Chromogenic	U-factor	Source	SHGC	Source	Fenestration Type	Exterior Shading Devices (Describe)	Comments/Special Features

**SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS****B. Fenestration Installation**

***The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.***

01	The U-factor of the installed windows for new construction and existing buildings must be equal to or less than those listed on the CF1R.
02	The SHGC of the installed windows for new construction and existing buildings must be equal to or less than those listed on the CF1R in climate zones 2, 4 and 8-15. For climate zones 1, 3, 5 and 16 there is no SHGC requirement.
03	Temporary labels are not to be removed until verified by the building inspector.
04	The fenestration product manufacturer's installation specifications shall be followed when installing these products. The space between the fenestration product and rough opening shall be completely filled with insulation. If batt insulation is used, it is cut to size and placed properly around the fenestration product.

**SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS****DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

1. I certify that this Certificate of Installation documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
Address:	CEA/AEA/ECC Certification Identification (If applicable):
City/State/Zip:	Phone:

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Installation is true and correct.
2. I am either: a) a responsible person eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement, or b) I am an authorized representative of the responsible person and attest to the declarations in this statement on the responsible person's behalf.
3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations and the installation conforms to the requirements given on the Certificate of Compliance, plans, and specifications approved by the enforcement agency.
4. I understand that a registered copy of this Certificate of Installation shall be posted or made available with the building permit(s) issued for the building and shall be made available to the enforcement agency for all applicable inspections. I will take the necessary steps to fulfill this requirement.
5. I understand that a registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy. I will take the necessary steps to fulfill this requirement.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:

**For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300**

CERTIFICATE OF INSTALLATION – USER INSTRUCTIONS	CF2R-ENV-01-E
Fenestration Installation	(Page 1 of 2)

### CF2R-ENV-01-E User Instructions

Before installation of fenestration, the installer shall verify the fenestration product matches the CF1R (-ADD, -ALT, -NCB, or -PRF). If the efficiencies are worse (less efficient), then the windows cannot be installed until proof of compliance is shown with an updated certificate of compliance, or computer energy compliance run, documenting the less efficient windows. If the installed fenestration is better (more efficient) than the documentation shows, no updated documentation is required and installation is allowed.

#### A. Fenestration/Glazing

1. Tag/ID: The labeling format used in the plans ensures each unique type is used consistently throughout the plan set (elevations, finish schedules, etc.) to identify each matching fenestration product, such as: Window-1, Skylight-1 etc. It should also be consistently used on the other compliance documents for this project.
2. Manufacturer/Brand: Provide the manufacturer and brand name which identifies the fenestration product being installed.
3. Fenestration Area (ft<sup>2</sup>): Indicate the total installed surface area in square feet (ft<sup>2</sup>) of the fenestration.
4. Orientation: Indicate the orientation of the same like fenestration. Use different lines if the orientation of the same fenestration varies. Enter N, S, E, or W.
5. Chromogenic: Is the glazing product chromogenic? Yes/No
6. U-factor: Indicate the specified U-factor of the fenestration product(s) being installed. Do not mix different types on the same line.

#### NOTES:

- (1) If meeting Exception 1 to Section 150.1(c)3A, new dwelling units with a conditioned floor area of  $\leq 500$  square feet (ft<sup>2</sup>) in Climate Zone 5 may comply with a maximum U-factor of 0.30.
- (2) If meeting Exception 2 to 150.1(c)3A, for each dwelling unit, up to 3 square feet of glazing area installed in doors and up to 3 square feet of tubular skylights area with dual-pane diffusers shall not be required to meet the U-factor requirements of Table 150.1-A.
- (3) If meeting Exception 3 to 150.1(c)3A, in Climate Zones 2, 4, and 6 through 15, for each dwelling unit installing  $\leq 16$  square feet (ft<sup>2</sup>) of skylight shall meet a maximum U-factor of 0.40.
7. Source: NFRC, CEC Default, NA6 Alternative, or Area-Weighted Average Worksheet (CF1R-ENV-02). Enter the appropriate temporary label certificate identified as NFRC, CEC Default, NA6, or Area-Weighted Average Worksheet (CF1R-ENV-02). All fenestration products installed must have a label certificate which identifies the product's efficiencies. NFRC rated products have a temporary label that can be looked up in the NFRC product directory (<http://search.nfrc.org/search/searchDefault.aspx>).
8. SHGC: Indicate the specified SHGC that is being installed of the fenestration product(s). Do not mix different types on the same line.

CERTIFICATE OF INSTALLATION – USER INSTRUCTIONS	CF2R-ENV-01-E
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NOTES:

- (1) If meeting Exception 2 to 150.1(c)3A, for each dwelling unit, up to 3 square feet of glazing area installed in doors and up to 3 square feet of tubular skylights area with dual-pane diffusers shall not be required to meet the SHGC requirements of Table 150.1-A.
  - (3) If meeting Exception 3 to 150.1(c)3A, in Climate Zones 2, 4, and 6 through 15, for each dwelling installing  $\leq 16$  square feet (ft<sup>2</sup>) of skylight shall meet a maximum SHGC of 0.30. In Climate Zones 1, 3, 5, and 16 there is no SHGC requirement.
  - (4) If meeting Exception 3 to 150.2(b)1B, in Climate Zone 15, vertical fenestration shall have a maximum SHGC value of 0.23.
9. Source: NFRC, CEC Default, NA6 Alternative, or Area-Weighted Average Worksheet (CF1R-ENV-02). Enter the appropriate temporary label certificate identified as NFRC, CEC Default, NA6, or Area-Weighted Average Worksheet (CF1R-ENV-02). All fenestration products installed must have a label certificate which identifies the product's efficiencies. NFRC rated products have a temporary label that can be looked up in the NFRC product directory (<http://search.nfrc.org/search/searchDefault.aspx>).
  10. Fenestration Type: Provide a description of the product; for instance, the frame material, coatings, whether it is operable or fixed.
  11. Exterior Shading Devices: If exterior shading devices are installed in conjunction with fenestration, then indicate the type used (e.g. sunscreens, vertical roller or shades, retractable or drop arm or operable awnings, or roll down blinds or slats); or if an overhang is, or will be, installed.
  12. Comments/Special Features: Additional information for the field inspector.

**Documentation Declaration Statements**

1. The person who prepared the CF2R will sign and complete the fields for their name, company (if applicable), address, phone number, certification information (if applicable), date and signature.
2. The person who is assuming responsibility for the project being built to comply with Title 24, Part 6, will complete the fields for their name, company (if applicable), address, phone number, license number (if applicable), date and signature.