

SECTION R310
EMERGENCY ESCAPE AND RESCUE OPENINGS

R310.1 Emergency escape and rescue opening required. Basements, habitable attics and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

R310.1.1 Operational constraints and opening control devices. Emergency escape and rescue openings shall be maintained free of any obstructions other than those allowed by this section and shall be operational from the inside of the room without the use of keys, tools or special knowledge. Window opening control devices complying with ASTM F2090 shall be permitted for use on windows serving as a required emergency escape and rescue opening.

R310.2 Emergency escape and rescue openings. Emergency escape and rescue openings shall have minimum dimensions as specified in this section. *-ALL SLEEPING ROOMS*

R310.2.1 Minimum opening area. Emergency and escape rescue openings shall have a net clear opening of not less than 5.7 square feet (0.530 m²). The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. The net clear height opening shall be not less than 24 inches (610 mm) and the net clear width shall be not less than 20 inches (508 mm).

Exception: Grade floor or below grade openings shall have a net clear opening of not less than 5 square feet (0.465 m²).

R310.2.2 Window sill height. Where a window is provided as the emergency escape and rescue opening, it shall have the bottom of the clear opening not greater than 44 inches (1118 mm) measured from the floor; where the sill height is below grade, it shall be provided with a window well in accordance with Section R310.2.3.

R310.2.5 Replacement windows. Replacement windows installed in buildings meeting the scope of this code shall be exempt from the maximum sill height requirements of Sections R310.1 and Sections R310.2.1 and R310.2.2, provided the replacement window meets the following conditions:

1. The replacement window is the manufacturer's largest standard size window that will fit within the existing frame or existing rough opening. The replacement window is of the same operating style as the existing window or a style that provides for an equal or greater window opening area than the existing window.
2. The replacement window is not part of a change of occupancy.

[] Like-for-like sizing

[] Walls are at least 5' from the property line

[] Hardwired [] 10 year battery smoke detection is required in each sleeping room, Combination smoke and carbon monoxide detection is required outside each sleeping room and each floor

[] Safety tempered windows are required within 5' of a shower/tub drain, within 2' of a swing door, within the arc of a wet surface slip and fall, and within specific distances of stairs, ramps, and landings.

CONTRACTOR:

PHONE:
CLASS:
LIC#:
EMAIL:

OWNER:

PHONE:
EMAIL:

JOB ADDRESS:

SCOPE OF PROJECT
WINDOW REPLACEMENT

HOA YES NO
TYPE: VB OCC: R-3

SHEET TITLE:

APN:

DATE:

SCALE:

SHEET OF

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Exception: Storm shelters and basements used only to house mechanical equipment not exceeding a total floor area of 200 square feet (18.58 m²).

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R310.3 Emergency escape and rescue doors. Where a door is provided as the required emergency escape and rescue opening, it shall be permitted to be a side-hinged door or a slider. Where the opening is below the adjacent ground elevation, it shall be provided with a bulkhead enclosure.

[] Like-for-Like sizing

[] All walls are at least 5' from the property line

[] Hardwired smoke detection is required in each bedroom, Combination Smoke and Carbon Monoxide detection is required outside each bedroom and on each floor.

- #101 94-1/4 x 80 (Patio Door)
- #201 94-1/4 x 80 (Patio Door)
- #202 69-1/2 x 45 (Gliding Window)
- #203 57-1/4 x 45 (Gliding Window)
- #204 93-1/2 x 45 (Gliding Triple 1:2:1)
- #205 57-1/2 x 45 (Gliding Window)

Shared common wall



Shared common wall



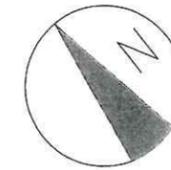
Scope:

- Installing 4 Windows & 2 Patio Doors.
- Patio Doors are Full Frame Installation.
- Windows are Insert Frame Installation.
- All Replacements are like for like.
- 2 Story house.
- Stucco exterior house.
- Work Being done on both floors.
- Bedroom windows and Bedroom door meet Egress & Sill Height requirements.
- U-Factor <.32, SHGC <.23
- This is a Condo Unit.

• SMOKE DETECTOR

⊙ COMBINATION SMOKE & CO DETECTOR

SAMPLE



CONTRACTOR:
LIC#:
CLASS:
OWNER:
EMAIL:
JOB ADDRESS:
SCOPE OF PROJECT Replacing 4 windows and 2 patio doors
SHEET TITLE:
APN: / -
DATE:
SCALE: NONE
SHEET / OF /

FENESTRATION ACCEPTANCE

CEC-NRCA-ENV-02-F (Revised 01/20)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF ACCEPTANCE		NRCA-ENV-02-F
Fenestration Acceptance		(Page 1 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

Note: The Enforcement Agency may optionally verify any Fenestration being installed for authenticity by accessing <http://www.nfrc.org/CMA/default.aspx> for NFRC CMA Certificate Labels or NFRC Certificate Labels <http://search.nfrc.org/search/searchDefault.aspx> See Reference Nonresidential Appendix NA7 for additional information.

A. BUILDING INFORMATION						
BUILDING TYPE:	<input type="checkbox"/> Low-rise Nonresidential	<input type="checkbox"/> Low-rise Schools	<input type="checkbox"/> High Rise Residential	<input type="checkbox"/> Hotel/Motel Guest Room		
PHASE OF CONSTRUCTION:	<input type="checkbox"/> New Building Construction		<input type="checkbox"/> Addition	<input type="checkbox"/> Alteration		
TYPE OF LABEL CERTIFICATE:	<input type="checkbox"/> Rated NFRC Component Modeling Approach (CMA) Label Certificate or NFRC Certified Label		<input type="checkbox"/> NRCC-ENV-E - for Nonrated Fenestration Values < 200 ft ²	<input type="checkbox"/> NRCC-ENV-E - for Nonrated Fenestration Values ≥ 200 ft ²		
TYPE OF INSTALLED FENESTRATION:	<input type="checkbox"/> Vertical Fenestration	<input type="checkbox"/> Tubular Daylighting Device (TDD)	<input type="checkbox"/> Skylight	<input type="checkbox"/> Dynamic Glazing	<input type="checkbox"/> Window Film	<input type="checkbox"/> Block Glass

B. STATEMENT OF ACCEPTANCE				
<i>This Certificate of Acceptance summarizes the results of the Acceptance test as specified in the Reference Nonresidential Appendix, NA7.4. Additional related references are in Sections §10-103(a)4, §10-111, §110.6(a)5 of the Energy Standards.</i>				
SUMMARY OF FENESTRATION VERIFICATION AND INSPECTION BY RESPONSIBLE PARTY				
<i>Individuals who perform the field testing and verification work, and provide the information required for completion of the Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103(a)4 and NA7.3.1.</i>				
<i>The Responsible Person or Party shall verify the thermal performance (U-factor, SHGC and VT) of each specified fenestration product being installed matches the NFRC Label Certificate, the CEC energy compliance documentation and building plans.</i>				
For NFRC Rated Product (If more than 8 fenestration products use additional sheets)				
<i>If Product is rated by NFRC then enter the ID # in each column. This includes any of the types of installed fenestration listed above.</i>	01	02	03	04
	NFRC Label Certificate ID #			
	05	06	07	08
	NFRC Label Certificate ID #			
	For Nonrated Fenestration Attach a Copy of the NRCC-ENV-E			
	For All Fenestration Verify and Cross Reference:			
<i>If receipts or orders are available and it identifies the NFRC ID# then cross reference against the NFRC Label Certificate to match ID#s; or</i>	01	02	03	04
	<input type="checkbox"/> Delivery Receipt(s) <input type="checkbox"/> Purchase Order <input type="checkbox"/> Detailed Receipt	<input type="checkbox"/> Delivery Receipt(s) <input type="checkbox"/> Purchase Order <input type="checkbox"/> Detailed Receipt	<input type="checkbox"/> Delivery Receipt(s) <input type="checkbox"/> Purchase Order <input type="checkbox"/> Detailed Receipt	<input type="checkbox"/> Delivery Receipt(s) <input type="checkbox"/> Purchase Order <input type="checkbox"/> Detailed Receipt
<i>Cross reference the efficiencies listed on the NFRC Label Certificate of NRCC-ENV-E - matches the building plans window schedule of efficiencies.</i>	<input type="checkbox"/> Cross Reference and Matches Building Plans	<input type="checkbox"/> Cross Reference and Matches Building Plans	<input type="checkbox"/> Cross Reference and Matches Building Plans	<input type="checkbox"/> Cross Reference and Matches Building Plans



CERTIFICATE OF ACCEPTANCE		NRCA-ENV-02-F
Fenestration Acceptance		(Page 2 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

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

FIELD TECHNICIAN'S DECLARATION STATEMENT

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

- The information provided on this Certificate of Acceptance is true and correct.
- I am the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician).
- The construction or installation identified on this Certificate of Acceptance complies with the applicable acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.
- I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and signed by the responsible builder/installer and has been posted or made available with the building permit(s) issued for the building.

Field Technician Name:	Field Technician Signature:	
Field Technician Company Name:	Position with Company (Title):	
Address:	CEA/HERS/ATT Certification Identification (If applicable):	
City/State/Zip:	Phone:	Date Signed:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

- I am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and I have reviewed the information provided on this Certificate of Acceptance.
- I am 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 Acceptance and attest to the declarations in this statement (responsible acceptance person).
- The information provided on this Certificate of Acceptance substantiates that the construction or installation identified on this Certificate of Acceptance complies with the acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.
- I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and is posted or made available with the building permit(s) issued for the building.
- I will ensure that a completed, signed copy of this Certificate of Acceptance shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Certificate of Acceptance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Acceptance Person Name:	Responsible Acceptance Person Signature:	
Responsible Acceptance Person Company Name:	Position with Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed: