

PRESCRIPTIVE RESIDENTIAL ALTERATIONS THAT DO NOT REQUIRE ECC FIELD VERIFICATION



CALIFORNIA ENERGY COMMISSION

CEC-CF1R-ALT-05-E

CERTIFICATE OF COMPLIANCE

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

This compliance document is only applicable to simple alterations that do not require field verification for compliance. When field verification is required, a CF1R-ALT-01 shall first be registered with a ECC-Provider Data Registry.

Alterations to Space Conditioning Systems that are exempt from field verification requirements may use the CF1R-ALT-05 and CF2R-ALT-05 Compliance Documents. Possible exemptions from duct leakage testing include: less than 25 feet (ft) of ducts were added or replaced; or the existing duct system was insulated with asbestos; or the existing duct system was previously tested and passed by a ECC Rater. If space conditioning systems are altered and are not exempt from field verification, then a CF1R-ALT-02 must be completed and registered with a ECC Provider Data Registry.

Alterations that utilize closed cell Spray Polyurethane Foam (ccSPF) with a density of 1.5 to less than 2.5 pounds per cubic foot having an R-value greater than 5.8 per inch, or open cell Spray Polyurethane Foam (ocSPF) with a density of 0.4 to less than 1.5 pounds per cubic foot having an R-value of 3.6 per inch, shall complete and register a CF1R-ALT-01 with a ECC-Provider Data Registry.

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. All applicable Mandatory Measures shall be met. Temporary labels shall not be removed before verification by the building inspector.

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A. General Information

Field	Field Name	Data Entry
01	Project Name	
02	Date Prepared	
03	Project Location	
04	Building Front Orientation (deg or cardinal)	
05	CA City	
06	Number of Altered Dwelling Units	
07	Zip Code	
08	Fuel Type	
09	Climate Zone	
10	Total Conditioned Floor Area (ft ²)	
11	Building Type	Single Family
12	Slab Area (ft ²)	
13	Project Scope	<p>Select as many as are applicable from the list:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Insulation (tables B, C & D) <input type="checkbox"/> Roof Replacement >50% (table E & B) <input type="checkbox"/> Space Heating System (Table J) <input type="checkbox"/> Space Cooling System (Table J) <input type="checkbox"/> Space Conditioning Duct System (Table J) <input type="checkbox"/> Water Heating (Table K) <input type="checkbox"/> Adding Fenestration/Glazing (Tables F & G) <input type="checkbox"/> Adding Fenestration/Glazing ≤16 ft² Skylight (Tables F & G) <input type="checkbox"/> Replacing Fenestration/Glazing (Tables F and H) <input type="checkbox"/> Replacing Fenestration/Glazing ≤ 75 ft² Windows (Tables F & H) <input type="checkbox"/> Replacing Fenestration/Glazing Skylight (Tables F & H) <input type="checkbox"/> Opaque Exterior Doors (Table I)

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F. Fenestration/Glazing Allowed Areas and Efficiencies (Section 150.2(b)1A)

Field	Field Name	Data Entry 1	Data Entry 2	Data Entry 3
01	Alteration Type			
02	Maximum Allowed Fenestration Area for All Orientations (ft ²)	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A
03	Maximum Allowed West-Facing Fenestration Area Only (ft ²)			
04a	Existing Fenestration Area for All Orientations (ft ²)			
04b	Existing West-Facing Fenestration Area (ft ²)			
05a	Maximum Allowed U-factor (Windows)			
05b	Maximum Allowed U-factor (Skylights)			
06a	Maximum Allowed SHGC (Windows)	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A
06b	Maximum Allowed SHGC (Skylights)	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A
07	Comments:			

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H. Fenestration/Glazing Proposed Areas and Efficiencies – Replace (Section 150.2(b)1B)

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

Table H-1

Field	Field Name	Data Entry 1	Data Entry 2	Data Entry 3
01	Tag/ID			
02	Fenestration Type			
03	Frame Type			
04	Dynamic Glazing			
05	Orientation N, S, W, E			
06	Area Removed (ft ²)			
07	Area Added (ft ²)			
08	Net Added Area (ft ²)			
09	Proposed U-factor			
10	Proposed U-factor Source			
11	Proposed SHGC			
12	Proposed SHGC Source			
13	Exterior Shading Device			
14	Combined SHGC from CF1R-ENV-03	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A

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Table H-2

Field	Field Name	Data Entry
15	Net Added West-facing Fenestration Area	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	Is Net Added Fenestration Area \leq for west-facing fenestration?	<input type="checkbox"/> Yes <input type="checkbox"/> No
17	Net Added Fenestration Area (all orientations)	
18	Is Net Added Fenestration Area ≤ 0 for all orientations?	<input type="checkbox"/> Yes <input type="checkbox"/> No
19	Proposed Fenestration U-factor (Windows)	<input type="checkbox"/> N/A
20	Required Fenestration U-factor (Windows)	
21	Compliance Statement: Is the proposed Fenestration U-factor \leq the Required Fenestration U-factor?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
22	Proposed Fenestration SHGC (Windows)	<input type="checkbox"/> N/A
23	Required Fenestration SHGC (Windows)	
24	Compliance Statement: Is the Proposed Fenestration SHGC \leq the Required Fenestration SHGC?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
25	Proposed Fenestration U-factor (Skylights)	<input type="checkbox"/> N/A
26	Required Fenestration U-factor (Skylights)	
27	Compliance Statement: Is the proposed Fenestration U-factor \leq the Required Fenestration U-factor?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
28	Proposed Fenestration SHGC (Skylights)	<input type="checkbox"/> N/A
29	Required Fenestration SHGC (Skylights)	
30	Compliance Statement: Is the Proposed Fenestration SHGC \leq the Required Fenestration SHGC?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A