

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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G. Fenestration Proposed Areas and Efficiencies – Add (Section 150.2(b)1A)

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

Table G-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 | Number of Panes | | | |
| 07 | Proposed Fenestration Area (ft ²) | <input type="checkbox"/> N/A | <input type="checkbox"/> N/A | <input type="checkbox"/> N/A |
| 08 | Proposed West Facing Fenestration Area (ft ²) | <input type="checkbox"/> N/A | <input type="checkbox"/> N/A | <input type="checkbox"/> N/A |
| 09 | Proposed U-factor | | | |
| 10 | Proposed U-factor Source | | | |
| 11 | Proposed SHGC | <input type="checkbox"/> N/A | <input type="checkbox"/> N/A | <input type="checkbox"/> N/A |
| 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 G-1

| Field | Field Name | Data Entry |
|-------|---|------------------------------|
| 15 | Total: Existing + Proposed Fenestration Area | |
| 16 | Maximum Allowed Fenestration Area | |
| 17 | Compliance Statement: Existing + Proposed Fenestration Area \leq Maximum Allowed Fenestration Area | |
| 18 | Total: Existing + Proposed West-Facing Fenestration Area | <input type="checkbox"/> N/A |
| 19 | Maximum Allowed West-Facing Fenestration Area | <input type="checkbox"/> N/A |
| 20 | Compliance Statement: Total: Existing + Proposed West-Facing Fenestration Area \leq Maximum Allowed West-Facing Fenestration Area | |
| 21 | Proposed Fenestration U-factor (Windows) | <input type="checkbox"/> N/A |
| 22 | Required Fenestration U-factor (Windows) | |
| 23 | Compliance Statement: Proposed Fenestration U-factor \leq Required Fenestration U-factor | |
| 24 | Proposed Fenestration SHGC (Windows) | <input type="checkbox"/> N/A |
| 25 | Required Fenestration SHGC (Windows) | <input type="checkbox"/> N/A |
| 26 | Compliance Statement: Proposed Fenestration SHGC \leq Required Fenestration SHGC | |
| 27 | Proposed Fenestration U-factor (Skylights) | <input type="checkbox"/> N/A |
| 28 | Required Fenestration U-factor (Skylights) | |
| 29 | Compliance Statement: Proposed Fenestration U-factor \leq Required Fenestration U-factor | |
| 30 | Proposed Fenestration SHGC (Skylights) | <input type="checkbox"/> N/A |
| 31 | Required Fenestration SHGC (Skylights) | |
| 32 | Compliance Statement: Proposed Fenestration SHGC \leq Required Fenestration SHGC | |