### Description of Insulation

1. **RAISED FLOOR**
   - Material: ____________________  Brand Name: ____________________
   - Thickness (inches): ___________  Thermal Resistance (R-Value): ___________
   - **☐ §150(d): Minimum R-13 insulation in raised wood-frame floor or equivalent U-factor.**

2. **SLAB FLOOR/PERIMETER**
   - Material: ____________________  Brand Name: ____________________
   - Thickness (inches): ___________  Thermal Resistance (R-Value): ___________
   - Perimeter Insulation Depth (inches): ___________
   - **☐ §150(l): Water absorption rate for the insulation material alone without facings is no greater than 0.3%; water vapor permeance rate is no greater than 2.0 perm/inch and shall be protected from physical damage and UV light deterioration.**

3. **EXTERIOR WALL**
   a. Insulation Type (e.x. Batt, Loose Fill, Spray Foam)
      - **☐ §150(c): Minimum R-13 insulation in wood-frame wall or equivalent U-factor.**
   b. . Insulation Type (e.x. Batt, Loose Fill, Spray Foam)
      - **☐ §150(c): Minimum R-13 insulation in wood-frame wall or equivalent U-factor.**
   - Brand: ____________________
   - Spray/Loose fill) Installed Actual Thickness (inches): ___________
   - Manufacturer’s installed weight per square foot to achieve Thermal Resistance (R-Value): ___________ lb
   - **☐ §150(c): Minimum R-13 insulation in wood-frame wall or equivalent U-factor.**

4. **FOUNDATION WALL**
   - Material: ____________________  Brand Name: ____________________
   - Thickness (inches): ___________  Thermal Resistance (R-Value): ___________
   - **☐ §150(a): Minimum R-19 insulation in wood-frame ceiling or equivalent U-factor.**

5. **CEILING**
   - Batt or Blanket Type: ____________________  Brand Name: ____________________
   - Loose Fill Type: ____________________  Thermal Resistance (R-Value): ___________
   - Spray Foam Type: ____________________  Brand Name: ____________________
   - Installed Actual Thickness (inches): ___________
   - Manufacturer’s installed weight per square foot to achieve Thermal Resistance (R-Value): ___________ lb
   - **☐ §150(a): Minimum R-19 insulation in wood-frame ceiling or equivalent U-factor.**

6. **ATTIC ROOF INSULATION AND/OR ATTIC RADIANT BARRIER**
   - Material: ____________________  Brand Name: ____________________
   - Material: ____________________  Brand Name: ____________________
   - Thickness (inches): ___________  Thermal Resistance (R-Value): ___________
   - **☐ §118(a): Insulation installed meets Standards for Insulating Material.**
§150(g): Mandatory Vapor barrier installed in Climate Zones 14 or 16.

**ROOFING PRODUCTS (COOL ROOFS) §151(f)12**

Check applicable box below if the newly installed roof is exempted from the roofing product “Cool Roof” requirements. Note: If any one of the boxes are checked below, the Aged Solar Reflectance and Thermal Emittance requirements for roofing products in §118(i) are not applicable. Do not fill table below.

- Cool Roofs Not Required in Climate Zones 1-12, 14, and 16 with a Low Sloped. Less or 2:12 pitch.
- Cool Roofs Not Required in Climate Zones 1-9 and 16 with a Steep-Sloped Roofs (pitch > than 2:12) and product unit weighting less than5lb/ft².

**Other Exceptions**
- Roofing area covered by building integrated photovoltaic panels and solar thermal panels are exempt from the above Cool Roof criteria.
- Roof constructions that have thermal mass over the roof membrane with at least 25 lb/ft² is exempt from the above Cool Roof criteria.

<table>
<thead>
<tr>
<th>CRRC Product ID Number¹</th>
<th>Roof Slope ≤ 2:12</th>
<th>&gt; 2:12</th>
<th>Product Weight &lt; 5lb/ft²</th>
<th>≥ 5lb/ft²</th>
<th>Product Type²</th>
<th>Aged Solar Reflectance³,⁴</th>
<th>Thermal Emittance</th>
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1. CRRC-1 label information is available on the package of the roofing product being installed and attach the CRRC label to this form.
2. Indicate the type of product is being used for the roof top, i.e. single-ply roof, asphalt roof, metal roof, etc.
3. If the Aged Reflectance is not available in the Cool Roof Rating Council’s Rated Product Directory then use the Initial Reflectance value from the same directory and use the equation \((0.2 + 0.7(p_{\text{initial}} - 0.2))\) to obtain a calculated aged value. Where \(p\) is the Initial Solar Reflectance.
4. Check box if the Aged Reflectance is a calculated value using the equation above.

To apply **Liquid Field Applied Coatings**, the coating must be applied across the entire roof surface and meet the dry mil thickness or coverage recommended by the coatings manufacturer and meet minimum performance requirements listed in §118(i)4. Select the applicable coating:

- Aluminum-Pigmented Asphalt Roof Coating
- Cement-Based Roof Coating
- Other ______________________

**FENESTRATION/GLAZING**

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer/Brand Name (GROUP LIKE PRODUCTS)</th>
<th>Product U-factor¹</th>
<th>Product SHGC¹</th>
<th># of Panes</th>
<th>NFRC Certified¹,²</th>
<th>Total Quantity of Like Product (Optional)</th>
<th>Area ft²</th>
<th>Add. Exterior Shading Dev. or Overhang</th>
<th>Comments/Location/ Special Features</th>
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1. Use values from a fenestration product’s NFRC Certified Label. For fenestration products without an NFRC label, use the default values from Section 116, Table 116-A and 116-B of the 2008 Energy Efficiency Standards.
2. NFRC Label Certificates shall not be removed until the building inspector has verified the efficiency. Enter Yes or No.

- §116(a)1: Doors and windows between conditioned and unconditioned spaces designed to limit air leakage.
- §116(a)2 and 3: Actual fenestration products installed are equivalent to or have a lower U-factor and/or a lower SHGC than that specified on the Certificate of Compliance (Form CF-1R).
DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or an authorized representative of the person responsible for construction (responsible person).
- I certify that the installed features, materials, components, or manufactured devices identified on this certificate (the installation) conforms to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcement agency.
- I reviewed a copy of the Certificate of Compliance (CF-1R) form approved by the enforcement agency that identifies the specific requirements for the installation. I certify that the requirements detailed on the CF-1R that apply to the installation have been met.
- I will ensure that a completed, signed copy of this Installation Certificate 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 Installation Certificate is required to be included with the documentation the builder provides to the building owner at occupancy.
## INSTALLATION CERTIFICATE

### Envelope – Insulation; Roofing; Fenestration

<table>
<thead>
<tr>
<th>Site Address:</th>
<th>Enforcement Agency:</th>
<th>Permit Number:</th>
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<table>
<thead>
<tr>
<th>Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)</th>
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<tbody>
<tr>
<td>Responsible Person's Name:</td>
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<tr>
<td>Date Signed:</td>
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<tr>
<td>CSLB License:</td>
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<tr>
<td>Position With Company (Title):</td>
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<tr>
<td>Responsible Person's Signature:</td>
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</tbody>
</table>