



# 2019 Energy Code Certificate of Compliance

CF-1R-ADD

## Lowrise Residential Additions Less than 1,000 square feet

<p>Is the project an addition, attached ADU or detached ADU conversion** less than or equal to 1,000 square feet of conditioned floor area*?</p> <p><i>*Conditioned floor area is added area that is heated or cooled. Garages, for example, would not be included in this area.</i></p> <p><i>**Detached ADU conversions are detached garages or other accessory structures that are converted to accessory dwelling units. This form does not apply to new detached ADUs built from the ground up.</i></p>	<p>YES <input type="checkbox"/></p> <p>NO <input type="checkbox"/></p>	<p><i>If you checked <b>NO</b>, this form cannot be used. Instead, complete a CA Energy Commission form or hire an energy consultant to complete a performance report.</i></p>
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Select Addition, attached ADU or converted accessory structure ADU Type:

- Addition Type A: greater than 700 ft<sup>2</sup> but less than or equal to 1,000 ft<sup>2</sup> of Conditioned Floor Area
- Addition Type B: greater than 400 ft<sup>2</sup> but less than or equal to 700 ft<sup>2</sup> of Conditioned Floor Area
- Addition Type C: less than or equal to 400 ft<sup>2</sup> of Conditioned Floor Area

<p>Is there a new roof or attic space over the new conditioned floor area?</p>	<p>YES <input type="checkbox"/></p> <p>NO <input type="checkbox"/></p>	<p><i>If yes, roof shall be a minimum of <b>R-30</b>. If the roof includes an attic, a radiant barrier is required.</i></p>
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<p>Are walls being extended to create the addition?</p>	<p>YES <input type="checkbox"/></p> <p>NO <input type="checkbox"/></p>	<p><i>If yes, extended 2x4 walls shall have <b>R-15</b> insulation and extended 2x6 walls shall have <b>R-19</b> insulation.</i></p>
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<p>Are new walls being built that <u>are not</u> extensions of the existing walls?</p>	<p>YES <input type="checkbox"/></p> <p>NO <input type="checkbox"/></p>	<p>If yes, choose between one of 3 wall assemblies and provide details on the plans:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 2x4 wall with R-15 cavity insulation and R-10 continuous rigid insulation.</li> <li><input type="checkbox"/> 2x6 wall with R-19 and R-7 continuous rigid insulation.</li> <li><input type="checkbox"/> 2x6 wall with R-21 and R-5 continuous rigid insulation.</li> </ul>
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<p>Are new windows being added or replaced?</p> <p><i>Refer to Addition Types at top of form</i></p>	<p>YES <input type="checkbox"/></p> <p>NO <input type="checkbox"/></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> All new or replacement windows shall have a <b>u-factor of .30</b></li> <li><input type="checkbox"/> <b>Addition Type A</b> -- up to 175 ft<sup>2</sup> of glazing, or 20% of conditioned floor area (including skylights).</li> <li><input type="checkbox"/> <b>Addition Type B</b> -- up to 120 ft<sup>2</sup> of glazing, or 25% of conditioned floor area (including skylights).</li> <li><input type="checkbox"/> <b>Addition Type C</b> -- up to 75 ft<sup>2</sup> of glazing, or 30% of conditioned floor area (including skylights).</li> </ul>
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<p>Are skylights being added to the building?</p>	<p>YES <input type="checkbox"/></p> <p>NO <input type="checkbox"/></p>	<p><i>If yes, skylights shall have .55 max U-factor or .30 max SHGC, and up to 16 ft<sup>2</sup>.</i></p>
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<p>Is there a crawlspace under the new conditioned floor area?</p>	<p>YES <input type="checkbox"/></p> <p>NO <input type="checkbox"/></p>	<p><i>If yes, provide a minimum of <b>R-19</b> under the floor.</i></p>
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Is the project an "Addition Type A"?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	If yes, <b>HERS RATING REQUIRED FOR QII</b> . Type A Additions require 3 <sup>rd</sup> party "quality insulation inspection".
Are 40 feet or less of new ducts being extended from an existing furnace to the new conditioned floor area?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	If yes, and only <u>40 feet or less</u> of ducts are being added, provide R-6 duct insulation.
Are more than 40 feet of ducts being added?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	If more than 40 feet of ducts are added provide R-6 insulation and <b>HERS RATING IS REQUIRED for duct leakage</b> .
Is a new forced air unit being added?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	If a new FAU is added, <b>HERS RATING IS REQUIRED for duct leakage</b> .
Is a new kitchen hood being added or replaced?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	If yes, HERS rating is required for kitchen hood installations.
Is a new water heater being installed in the addition?  <input type="checkbox"/> <b>Only one water heater per addition is allowed with this form.</b>  <input type="checkbox"/> <b>Storage tank water heaters are not allowed with this form.</b>	YES <input type="checkbox"/>	NO <input type="checkbox"/>	If yes, choose between the following options:  <input type="checkbox"/> Heat pump water heater with UEF greater than or equal to 2.82.  <input type="checkbox"/> Tankless type, less than or equal to 200k btu/h rated input, and greater than or equal to 0.82EF.
<b><u>HERS RATING SUMMARY</u></b>			<b>Check if HERS rating items that apply to this project or N/A for none:</b>  <input type="checkbox"/> N/A <input type="checkbox"/> <b>Quality Insulation Inspection (QII)</b> <input type="checkbox"/> <b>Duct Leakage Test</b> <input type="checkbox"/> <b>Kitchen Exhaust Hood Test</b>
<b>If any of the items require 3<sup>rd</sup> party HERS rating, HERS rater generated CF-1R, CF-2R &amp; CF-3R WILL BE REQUIRED PRIOR TO FINAL INSPECTION.</b> Provide these documents to your inspector for verification.			

## APPLICANT'S DECLARATION

Project Address \_\_\_\_\_

Applicant Name / Phone Number \_\_\_\_\_

Signature / Date \_\_\_\_\_

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

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- That the energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a registered copy of this Certificate of Compliance shall be 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 registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.