

# RESIDENTIAL CHECKLIST

## Kauai Supplement



### OVERVIEW

Kauai adopted the 2015 IECC with amendments on November 30, 2018, and the Kauai amendments incorporate those adopted by the State of Hawaii on March 21, 2017 with some changes. This supplemental checklist includes only the requirements that differ in Kauai compared to the State amendments. The complete requirements of the 2015 IECC with State amendment are described in a separate checklist.

### AMENDED TROPICAL ZONE REQUIREMENTS

Component/System	Requirement	Code Section	Plan Review Notes	Info on Plans
<b>Tropical zone qualification</b>	<ul style="list-style-type: none"> <li>▪ ≤ 50% of occupied space and no more than 1,000 ft<sup>2</sup> has AC</li> <li>▪ No heating installed</li> <li>▪ Elevation &lt; 2,400 ft<sup>2</sup></li> </ul>	R401.2.1*	Dwellings that do not meet all these criteria must use another compliance option.	<input type="checkbox"/> AC space clearly indicated (if applicable)

\* Code section added or modified by Hawaii amendment

### AMENDED PRESCRIPTIVE REQUIREMENTS

Component/System	Requirement	Code Section	Plan Review Notes	Info on Plans
<b>Wall – mass</b> (CMU or concrete)	<input type="checkbox"/> R-3 exterior, R-4 interior or U-0.197 <input type="checkbox"/> Total UA alternative, or <input type="checkbox"/> Points option <input type="checkbox"/> Exception: No insulation required if reflectance ≥0.64, shading PF≥0.3	R402.1*	Requires either exterior or interior insulation, typically foam board. CMU integral insulation does not comply.  No insulation is required if the mass wall has an exterior visible light reflectance of at least 64% or the wall is shaded with overhangs with projection that is at least 0.3 times the height of the wall.	<input type="checkbox"/> Insulation location on plans <input type="checkbox"/> Insulation R-value on plans <input type="checkbox"/> Wall surface visible light reflectance on plans (if applicable)
<b>Raised floor – wood or concrete</b>	<u>No requirement</u>	R402.1*		
<b>Raised floor – metal frame</b>	<u>No requirement</u>	R402.1*		
<b>Ceiling fans</b>	<u>Optional</u>	R404.3*		

\* Code section added or modified by Hawaii amendment

## ADDITIONS AND ALTERATIONS

Component/System	Requirement	Code Section	Plan Review Notes	Info on Plans
<b>Alterations – roof replacement</b>	Meet requirements for new construction (see separate checklist), <u>except in cases with at least two of the following:</u> 1. <u>EnergyStar compliant covering</u> 2. <u>Radiant barrier</u> 3. <u>Attic ventilation via solar fan, ridge ventilation or gable vents</u>	R503.1.1*	Compliance option for roofs; choose two or more from this list: 1. Energy Star compliant roof covering 2. Radiant barrier 3. Attic ventilation via solar attic fans or ridge ventilation or gable ventilation	
<b>Changes in space conditioning</b>	A non-conditioned space that is altered to become air conditioned shall be brought into full compliance. Exceptions: 1. If using the simulated performance option, the proposed energy cost can be 10% higher than otherwise allowed 2. <u>If the cost to bring the space into compliance exceeds 5-year payback and the system is a split-system air conditioner with SEER rating in the top 25% of readily available units.</u>	R503.2*		

\* Code section added or modified by Hawaii amendment

**Sponsor:** State of Hawaii, Department of Business, Economic Development and Tourism

**Acknowledgment:** This material is based upon work supported by the Department of Energy under Award Number EE0000811

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