

# IECC 2009 with Hawaii Amendments

## RESIDENTIAL PLAN REVIEW CHECKLIST

Project: \_\_\_\_\_

Code Section	Description	Plan Review
103.1	<b>Construction documents</b>	<input type="checkbox"/> Signed statement on plans
402.1	<b>Wood-frame ceiling insulation</b> <ul style="list-style-type: none"> <li>• Table 402.1.1 insulation R-value</li> <li>• Table 402.1.3 U-factor</li> <li>• 402.1.4 alternatives</li> <li>• 402.1.4 Total UA alternative</li> </ul>	<input type="checkbox"/> Insulation location indicated <input type="checkbox"/> R-value indicated <input type="checkbox"/> Radiant barrier location, if applicable. <input type="checkbox"/> Cool roof specifications if applicable.
402.1	<b>Steel-frame roof insulation</b> <ul style="list-style-type: none"> <li>• Table 402.1.1 insulation R-value</li> <li>• Table 402.1.3 U-factor</li> <li>• 402.2.5 exception</li> <li>• 402.1.4 Total UA alternative</li> </ul>	
402.1	<b>Wood-frame wall insulation</b> <ul style="list-style-type: none"> <li>• Table 402.1.1 insulation R-value</li> <li>• Table 402.1.3 U-factor</li> <li>• Table 402.1.1 exceptions</li> <li>• 402.1.4 Total UA alternative</li> </ul>	
402.1	<b>Steel-frame wall insulation</b> <ul style="list-style-type: none"> <li>• Table 402.1.1 insulation R-value</li> <li>• Table 402.1.3 U-factor</li> <li>• 402.2.5 exceptions</li> <li>• 402.1.4 Total UA alternative</li> </ul>	
402.1	<b>Mass wall insulation</b> <ul style="list-style-type: none"> <li>• Table 402.1.1 insulation R-value</li> <li>• Table 402.1.3 U-factor</li> <li>• Table 402.1.1 exceptions</li> <li>• 402.1.4 Total UA alternative</li> </ul>	
402.3	<b>Windows</b> Table 402.1.1 SHGC $\leq$ 0.30 <ul style="list-style-type: none"> <li>• 15 ft<sup>2</sup> area exemption</li> <li>• Area-weighted average</li> <li>• North-facing window exemption</li> <li>• Shaded window exemption</li> </ul>	
402.3	<b>Skylights</b> Table 402.1.1 SHGC $\leq$ 0.30 <ul style="list-style-type: none"> <li>• 15 ft<sup>2</sup> area exemption</li> <li>• Area-weighted average</li> </ul> Table 402.1.3 U-factor $\leq$ 0.75 <ul style="list-style-type: none"> <li>• 15 ft<sup>2</sup> area exemption</li> <li>• Overall envelope compliance</li> </ul>	<input type="checkbox"/> SHGC indicated on plans <input type="checkbox"/> U-factor indicated on plans
402.4	<b>Air leakage</b> <ul style="list-style-type: none"> <li>• Envelope sealing</li> <li>• Unconditioned dwelling exemption</li> </ul>	<input type="checkbox"/> Sealing requirements indicated on plans, if applicable.

Code Section	Description	Plan Review
402.4.2	<b>Air sealing and insulation</b> <ul style="list-style-type: none"> <li>• Whole-house pressure test</li> <li>• Field verification</li> <li>• Unconditioned dwelling exemption</li> </ul>	<input type="checkbox"/> Verification method indicated on plans, if applicable.
402.4.4	<b>Fenestration air leakage</b> <ul style="list-style-type: none"> <li>• Listed and labeled products</li> <li>• Site-built window exemption</li> <li>• Jalousie windows</li> <li>• Unconditioned dwelling exemption</li> </ul>	<input type="checkbox"/> Plan notes indicate requirements
403.1	<b>Thermostat controls</b>	<input type="checkbox"/> Indicated on plans, if applicable.
403.2.1	<b>Duct insulation</b> <ul style="list-style-type: none"> <li>• Exception for ducts in conditioned space</li> </ul>	<input type="checkbox"/> Insulation R-value on plans, if applicable.
403.2.2	<b>Duct leakage testing</b> <ul style="list-style-type: none"> <li>• Exception for ducts in conditioned space</li> </ul>	<input type="checkbox"/> Testing requirement on plans, if applicable.
403.3	<b>Mechanical system piping insulation</b>	<input type="checkbox"/> Insulation R-value on plans, if applicable.
403.4	<b>Circulating hot water systems</b>	<input type="checkbox"/> Insulation R-value on plans, if applicable.
403.6	<b>Equipment sizing</b>	
403.7	<b>Systems serving multiple dwelling units</b> <ul style="list-style-type: none"> <li>• Meet commercial requirements</li> </ul>	
403.9	<b>Pool controls</b>	<input type="checkbox"/> Controls on plans, if applicable.
403.9.3	<b>Pool cover</b> <ul style="list-style-type: none"> <li>• Required for heated pool</li> <li>• Exception for <math>\geq 60\%</math> solar/waste heat</li> </ul>	<input type="checkbox"/> On plans, if applicable.
404.1	<b>Lighting equipment <math>\geq 50\%</math> high efficacy</b>	<input type="checkbox"/> Lighting fixture locations on plans. <input type="checkbox"/> Lighting fixture schedule indicating lamp and ballast type on plans.

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