

COMMERCIAL CHECKLIST

Maui Supplement



OVERVIEW

Maui adopted the 2015 IECC with amendments on March 25, 2019, and the Maui 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 Maui compared to the State amendments. The complete requirements of the 2015 IECC with State amendment are described in a separate checklist.

AMENDED ENVELOPE REQUIREMENTS

Component/System	Requirement	Code Section	Plan Review Notes	Info on Plans
ENVELOPE REQUIREMENTS				
Roof – insulation above deck	<input type="checkbox"/> R-12.5 or U-0.039 (group R) <input type="checkbox"/> R-10 or U-0.048 (others)	C402.1, C402.2	Typically foam board on the roof deck. If tapered, R-value in some areas can be lower than the requirement if designer shows that weighted-average U-factor complies.	<input type="checkbox"/> Insulation location on plans <input type="checkbox"/> Insulation R-value on plans
Roof – metal building	<u>R-30 or R-19 with cool roof</u>	C402.1, C402.2	A cool roof meets criteria in Table C402.3, either: <ul style="list-style-type: none"> • Minimum aged solar reflectance of 0.55 and aged thermal emittance of 0.75, or • Minimum aged solar reflectance index (SRI) of 0.64 	<input type="checkbox"/> Insulation R-value on plans <input type="checkbox"/> Roof reflectance and thermal emittance or SRI on plans (if applicable)
Roof – attic or other	<u>R-30 or R-19 with cool roof</u>	C402.1, C402.2	This category includes attics, cathedral ceilings, and insulation installed under the roof deck. Insulation on top of suspended ceiling is not allowed for compliance.	<input type="checkbox"/> Insulation location on plans <input type="checkbox"/> Insulation R-value on plans
Wall – mass (CMU or concrete)	R-5.7 or U-0.151 (<u>Insulation not required with exterior reflectance ≥ 0.64, shading PF ≥ 0.3 or wall thickness ≥ 6 in.</u>) [*]	C402.1, C402.2	Requires either exterior or interior insulation. 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 or the wall is at least 6 inches thick.	<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)

* Code section added or modified by State or County amendment

AMENDED LIGHTING AND ELECTRICAL REQUIREMENTS

Component/System	Requirement	Code Section	Plan Review Notes	Info on Plans
LIGHTING AND ELECTRICAL REQUIREMENTS				
Controls - time-switch	<u>Not required if designed lighting power ≤ 60% of allowed lighting power.</u>	C405.2.2*		
Controls - daylight-responsive	<u>Not required if designed lighting power ≤ 60% of allowed lighting power.</u>	C405.2.3*		

* Code section added or modified by State or County amendment

AMENDED ADDITIONAL EFFICIENCY REQUIREMENTS

Component/System	Requirement	Code Section	Plan Review Notes	Info on Plans
ADDITIONAL EFFICIENCY REQUIREMENTS				
Additional efficiency requirements Reduced lighting power density option	10% 20% lower allowed lighting power	C406.3*	The connected interior lighting power for the proposed design must be at least 20% lower than the allowed interior lighting power.	

* Code section added or modified by State or County amendment

AMENDED ALTERATIONS REQUIREMENTS

Component/System	Requirement	Code Section	Plan Review Notes	Info on Plans
ALTERATIONS				
Roof	No requirement: <ul style="list-style-type: none"> ▪ Roof recover ▪ Ceiling/roof cavity not exposed New-construction requirements apply: <ul style="list-style-type: none"> ▪ New roof ▪ Alteration where ceiling/roof cavity is exposed (exception if cavity is filled with insulation) <u>Roof replacement of uninsulated roofs, include at least one of the following:</u> <ul style="list-style-type: none"> ▪ <u>EnergyStar compliant covering</u> ▪ <u>Radiant barrier</u> ▪ <u>Attic ventilation via solar fan, ridge ventilation or gable vents</u> 	C503.1 C503.3.1*	<ul style="list-style-type: none"> • Any new roof must meet the requirements for a new roof. • Roof alterations that expose the ceiling or roof cavity where that cavity is part of the thermal envelope shall meet the R-value requirement for new roofs, except a lower R-value is allowed if the cavity is filled with insulation. • Roof replacements must include one of three options. 	

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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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