CITY OF LONG BEACH

Community Development Department
Building and Safety Bureau
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DMP-007

Prescriptive Energy Efficiency Requirements (2025)

For Minor Additions or Alterations to One- or Two-Family Dwellings[1]

PRESCRIPTIVE COMPLIANCE METHOD *[CEES 150.2(a)1 & (b)1]*			Climate Zone 6 (southwest of I-405)	Climate Zone 8 (northeast of I-405)
INSULATION [3]	Roof / Ceiling System *(no ducts in attic) Option C*	Roof *(between roof joists)*	Not Required	
		Ceiling *(between & over ceiling joists)*	R-30	R-38
	Cathedral Ceiling *(No attic)*	Roof/Ceiling *(between rafters)*	R-22 (R-19 alteration only)	
	Walls [4,5]	2 x 4 at 16 inches on center spacing	R-13 + R-5 CI or R-15 HD + R-4 CI	R-13 + R-10 CI or R-15 HD + R-10 CI
		2 x 6 at 16 inches on center spacing	R-19 + R-2 CI or R-21 HD + R-2 CI	R-19 + R-7 CI or R-21 HD + R-5 CI
	Floor	Raised Wood Framed	R-19	
		Concrete *(raised or slab on grade)*	Not Required	
RADIANT BARRIER *(Installed at interior face of roof sheathing)*			Required	
FENESTRATION	Maximum U-factor		0.30	
	Maximum SHGC (Solar Heat Gain Coefficient)		0.23	
	Area of All Added Glazing *(total of all 4 sides of building)*		Less than 75 sf or 30 percent of the added CFA, whichever is greater	
	Added West Facing Glazing Only		Less than 60 sf or 5 percent of the added CFA, whichever is greater	
EXTERIOR DOOR	Maximum U-factor (less than 25% glazing)		0.20	
WATER HEATING	Gas Storage Type (≤ 55 gal tank) or Tankless Water Heater (Alterations Only)			
	Electric (240-volt) Heat Pump Water Heater (HPWH)		NEEA Tier 3 or higher unit rating	
	Electric Water Heater (<500 Addition only)		Point-of-use distribution	
HEATING	ECC [2] VERIFICATION REQUIRED	New or replaced units and/or systems	Central Furnace (FAU) or Heat Pump *(Split, Mini Split or Packaged Units)*	
COOLING		New or replaced units and/or systems	Central AC or Heat Pump *(Split, Mini Split or Packaged Units)*	
KITCHEN HOOD		New, replaced or reinstalled exhaust fans	Electric cooktop: ≥ 160 cfm Gas cooktop: ≥ 280 cfm	≤ 3 sones

Footnotes:

1. This summary may be used in lieu of a computer generated CF1R report for OTC reviewed minor additions (not to exceed 750 square feet) or remodels, or as approved by the Building Official.
2. Projects including work listed as "ECC Verification Required" or which do not comply with all parts of the listed requirements shall provide all pages of a computer generated, ECC registered, CF1R energy analysis report and 2025 Single Family Residential Mandatory Measures, on full-size sheets in the construction documents.
3. The R-values shown are for wood-frame construction with cavity insulation installed between the framing members and continuous insulation (CI) installed across the face of the framing members. [CEES 150.1(c)1, Table 150.1-A & JA4 Table 4.3.1]
4. Extension of existing wood-frame walls along the same straight line may install R-15 HD in 2x4 framing or R-21 HD in 2x6 framing, in lieu of stated cavity and continuous insulation assembly. [CEES 150.2(a)1Biii]
5. Where existing siding is not being removed or replaced, cavity insulation of R-15 HD in 2x4 framing or R-21 HD in 2x6 framing shall be installed, and continuous insulation is not required. [CEES 150.2(a)1Bvi]
6. Photovoltaic (PV) systems are not required for additions or alterations to single family residential buildings. [CEES 150.2(a) Exc. 6]
7. Whole House Fan (WHF) ventilation systems are not required for additions less than 1000 sf. [CEES 150.2(a) Exc. 5]
8. Quality Insulation Installation (QII) requirements of Section 150.1(c)1E do not apply to additions less than 700 sf. [CEES 150.2(a)Bv]

Abbreviations:

CEES - California Energy Efficiency Standards, also known as California Energy Code.
CI - Continuous insulation, may be installed over the interior or exterior face of the wall studs.
NEEA - Northwest Energy Efficiency Alliance.
CFA - Conditioned floor area.
HD - High density insulation.