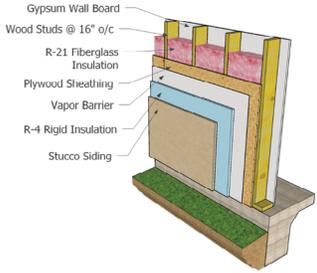


	BUILDING FEATURE	PRESCRIPTIVE TITLE 24, PART 6 <i>Purple Text = New for 2019</i>	NOTES
ADUs THAT ARE AN ADDITION ALONE, EXISTING + ADDITION OR EXISTING + ADDITION + ALTERATION			
<p>Conversion of existing attached space</p> <p>New build but attached</p> <p>Conversion of existing detached space</p> <p>COMPLIANCE DOCUMENTATION: Prescriptive option: CF1R-ADD-01-E (HERS required) must be registered with a HERS Provider website: https://www.calcerts.com/ https://www.cheers.org/</p> <p>or</p> <p>Performance option: CF1R-PRF-01-E: Addition Alone, Existing + Addition (E+A) or Existing + Addition + Alteration (E+A+A)</p>	Roof*	<p>≤700 SF: Insulation to meet Mandatory: CZ 2-10: R-30 CZ 1, 11-16: R-38</p> <p>>700 SF: Prescriptive Single-Family Table 150.1-A: Option B or C</p>	<p><i>Example of High Performance Attic (HPA)</i></p> <p><i>Example of Non HPA</i></p>
	Walls	<p>Extended Walls: 2 x 4: R-15 2 x 6: R-21</p> <p>New Walls: Prescriptive Table 150.1-A</p>	<p>Extended Walls: “Extended walls” are walls associated with converted space (§150.2(a)1) if the existing siding is to remain, and any new walls that are “extended” from any existing wall, horizontally or vertically</p> <p>New Walls: “New walls” are non-extended walls and converted walls with siding being replaced</p>
	Floor	Prescriptive Table 150.1-A	There are no exceptions to Table 150.1-A for floors of any type
	Fenestration	<p>New Fenestration: §150.2(a)1</p> <p>Skylights: ≤16 ft² U-Factor = 0.55 SHGC = 0.30**</p>	All glazing in this space is considered “new” even if it already exists as part of the unconditioned space and must meet Mandatory weighted average U-factor of 0.58 in addition to using either the Prescriptive or Performance Approach. Area allowance exceptions are based on square footage of ADU, per the allowances of §150.2(a)1
	Solid Doors	<p>New Solid Door: U-factor = 0.20 (insulated)</p>	Solid doors now compared to an NFRC Rating 0.20 U-factor <i>Not including door between garage and home</i>
	HVAC & all Applicable HERS	<p>HVAC = Table 150.1-A IAQ whole building airflow is required of any new ADU</p>	Per Mechanical Code, return air cannot be shared with other dwelling units It is recommended that each dwelling unit have its own thermostat (ability to control their own heating and cooling setpoints)
	DHW	<p>§150.1(c)8 One heat pump tank water heater or any number of gas tankless units</p>	One heat pump NEEA Tier 3 water heater (CZ 1 and 16 have additional Prescriptive PV requirements if using heat pump) or any gas tankless unit(s) meeting Federal efficiency minimums
	QII	<p>>700 ft² (not required if ≤700 ft²)</p>	QII is Prescriptively required even if the addition is a conversion of already existing conditioned space, but there are exceptions to insulated headers and air barrier verifications

* Additions over 300 ft² in CZ 10 - 15 must meet **Table 150.1-A Cool Roof** installation requirements, dependent upon roof slope.

** CZ 1, 3, 5 and 16 have no SHGC requirements nor west-facing limitations on area.

	BUILDING FEATURE	PREScriptive TITLE 24, PART 6 <i>Purple Text = New for 2019</i>	NOTES
DETACHED NEWLY CONSTRUCTED ADU			
 <p>Newly constructed building</p> <p>COMPLIANCE DOCUMENTATION: Prescriptive option: CF1R-NCB-01-E (HERS required) must be registered with a HERS Provider website: www.calcerts.com/ www.cheers.org/</p> <p>or</p> <p>Performance option: CF1R-PRF-01-E using Energy Commission-approved software</p>	Roof*	Any size ADU is subject Prescriptive Single-Family Table 150.1-A	Prescriptive Option B or C (including the provision that attics are to be ventilated) or use the Performance Approach
	Walls	All walls are considered “new” and are subject to Prescriptive Table 150.1-A Framed: CZ 1-5, 8-16: U-factor = 0.048 CZ 6-7: U-factor = 0.065	 <p style="text-align: center;"><i>Example of High Performance Wall = U-factor of 0.051</i></p>
	Floor	Prescriptive Table 150.1-A	Raised floor = R-19; Heated slabs = R-5 slab-edge insulation
	Fenestration	All Fenestration is New: Prescriptive Table 150.1-A Skylights: ≤16 ft² U-Factor = 0.55 SHGC = 0.30**	Must meet Mandatory weighted average U-factor of 0.58, in addition to using either the Prescriptive (U-factor = 0.30 and SHGC = 0.23**) or the Performance Approach Area allowance 20% of conditioned floor area, 5% west-facing limitation** per §150.1(c)3
	Solid Doors	Solid Door: U-factor = 0.20	Solid doors now compared to an NFRC Rating 0.20 U-Factor <i>Not including door between garage and home</i>
	HVAV & all Applicable HERS	HVAC = Prescriptive Table 150.1-A IAQ whole building airflow is required of any new ADU	All applicable HERS measures will apply: Duct testing; refrigerant charge; airflow and fan watt draw; IAQ including MERV-13 filters; kitchen hood; whole house fan
	DHW	Prescriptive Table 150.1-A §150.1(c)8	If recirculation pumps are desired for any type of ADU, Demand Recirculation Systems with manual control pumps per RA4.4 must be used or use the Performance Approach for control options
	QII	Prescriptive Table 150.1-A §150.1(c)1e	QII required as outlined in Residential Reference Appendix RA3.5
PV	Prescriptive §150.1(c)14	As determined by Equation 150.1-C: $kWPV = (CFA \times A) / 1000 + (ND_{well} \times B)$	

* Additions over 300 ft² in CZ 10 - 15 must meet Table 150.1-A Cool Roof installation requirements, dependent upon roof slope.

** CZ 1, 3, 5 and 16 have no SHGC requirements nor west-facing limitations on area.



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