
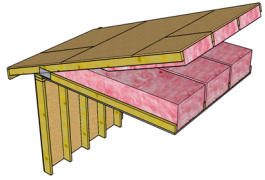
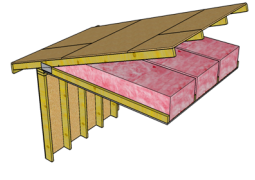


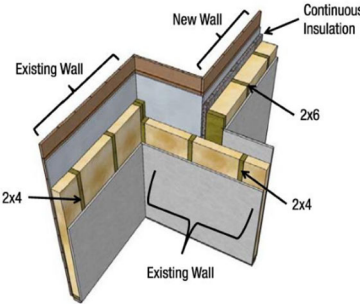



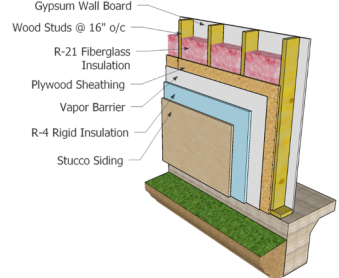
ADUs that are an Addition Alone, or Existing + Addition

	<p>Roof *</p>	<p>≤700 SF: Insulation to meet Mandatory: CZ 2-10=R-30 / CZ1, 11-16=R-38</p> <p>>700 SF: Prescriptive Package A: Option B or C</p>	  <p><i>Example of High Performance Attic (HPA)</i> <i>Option B Example of Non HPA</i></p>
<p>Conversion of existing attached space</p>  <p>New build but attached</p> 	<p>Walls</p>	<p>Extended Walls: 2 x 4: R-15 2 x 6: R-21</p> <p>New Walls: Prescriptive Package A</p>	 <p>Extended Walls “Extended” walls apply to 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 consist of non-extended walls and converted walls with siding being replaced.</p>
<p>Conversion of existing detached space</p>	<p>Floor</p>	<p>Prescriptive Package A</p>	<p>There are no exceptions from Package A for floors of any type.</p>
<p>COMPLIANCE DOCUMENTATION:</p>	<p>Fenestration</p>	<p>New Fenestration: §150.2(a)1</p> <p>Skylights: ≤16 ft² U-Factor = 0.55 SHGC = 0.30 **</p>	<p>All glazing in this space are considered “new”, even if it already exists as part of the unconditioned space and must meet mandatory weighted of U-factor = 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.</p>
<p>Prescriptive option: <u>CF1R-ADD-01-E</u> (HERS required)</p>	<p>Solid Doors</p>	<p>New Solid Door: U-factor = 0.20 (insulated)</p>	<p>Solid doors now compared to a NFRC Rating 0.20 U-Factor. <i>Not including door between garage and home.</i></p>
<p>must be registered with a HERS provider website: https://www.calcerts.com/ https://www.cheers.org/</p>	<p>HVAC & all Applicable HERS</p>	<p>HVAC = Prescriptive Package A IAQ whole building airflow is required of any new ADU</p>	<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)</p>
<p>or</p>	<p>DHW</p>	<p>150.1(c)8 (1) Heat pump tank water heater or any number of gas tankless units</p>	<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</p>
<p>Performance option: <u>CF1R-PRF-01-E</u>: Addition Alone, E+A or E+A+A</p>	<p>QII</p>	<p>>700 ft² <i>(not required if ≤700 ft²)</i></p>	<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.</p>

* Additions over 300 SF in Climate Zones 10-15 to meet Package A cool roof installation requirements, dependent upon roof slope.

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

DETACHED NEWLY CONSTRUCTED ADU

	<p>Roof</p>	<p>Any size ADU is subject to Prescriptive Package A.</p>	<p>Prescriptive Option B or C including the provision that attics are to be ventilated, or use the Performance Approach.</p>
<p>Newly constructed building</p>	<p>Walls</p>	<p>All walls are considered “new” and are subject to Prescriptive Package A.</p> <p>Framed: CZ1-5, 8-16: U-factor 0.048 CZ 6-7: U-factor 0.065</p>	 <p><i>Example of High Performance Wall = U-factor of 0.051</i></p>
<p>DOCUMENTATION: Prescriptive option: CF1R-NCB-01-E (HERS required) must be registered with a HERS provider website: https://www.calcerts.com/ https://www.cheers.org/ or Performance option: CF1R-PRF-01-E using Energy Comission approved software</p>	<p>Floor</p>	<p>Prescriptive Package A</p>	<p>Raised floor = R-19; Heated Slabs = R-5 slab edge insulation</p>
	<p>Fenestration</p>	<p>All Fenestration is New: Prescriptive Package A</p> <p>Skylights: ≤16 ft² U-Factor = 0.55 SHGC = 0.30 **</p>	<p>Must meet mandatory weighted of U-factor = 0.58, in addition to using either the Prescriptive (U-factor = 0.30 and SHGC = 0.23**) or use the Performance Approach.</p> <p>Area allowance 20% of conditioned floor area, 5% west facing limitation ** per §150.1(c)3.</p>
	<p>Solid Doors</p>	<p>Solid Door: U-factor= 0.20</p>	<p>Solid doors now compared to a NFRC Rating 0.20 U-Factor. <i>Not including door between garage and home.</i></p>
	<p>HVAC & all Applicable HERS</p>	<p>HVAC = Prescriptive Package A IAQ whole building airflow is required of any new ADU</p>	<p>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.</p>
	<p>DHW</p>	<p>Prescriptive Package A §150.1(c)8</p>	<p>If recirculation pumps are desired for any type of ADU, Demand Recirculation Systems with manual control pumps per RA4.4 shall be used or use the Performance Approach for control options.</p>
	<p>QII</p>	<p>Prescriptive Package A §150.1(c)1e</p>	<p>QII required as outlined in Reference Appendix RA3.5</p>
	<p>PV</p>	<p>Prescriptive Package A §150.1(c)14</p>	<p>As determined by Equation 150.1-C: $kWPV = (CFA \times A)/1000 + (NDwell \times B)$</p>

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