

**KERN COUNTY BUILDING INSPECTION DIVISION – SINGLE-FAMILY RESIDENTIAL
ENERGY COMPLIANCE FOR ADDITIONS**

Prescriptive Package A

Effective January 1, 2026

Permit No.: _____ **Conditioned Floor Area:** _____ **Climate Zone:** _____

Project Address: _____

			Climate Zone 13			Climate Zone 14			Climate Zone 16		
			<400ft²	400ft²-700ft²	>700ft²	<400ft²	400ft²-700ft²	>700ft²	<400ft²	400ft²-700ft²	>700ft²
Building Envelope											
Roof / Ceiling	Option B Below Roof Deck Insulation	With Air Space	R-19			R-19			R-19		
		Ceiling Insulation	R-38			R-38			R-38		
		Radiant Barrier	NR			NR			NR		
	Option C Ducts in Conditioned	Ceiling Insulation	R-38			R-38			R-38		
		Radiant Barrier	REQ			REQ			NR		
		Deck Insulation for Cathedral Ceilings	R-38			R-38			R-38		
Walls	Above Grade	Framed	U0.048						U0.048		
		Mass Wall Interior	U0.077; R-13			U0.077; R-13			U0.059; R-17		
		Mass Wall Exterior	U0.125; R-8.0			U0.125; R-8.0			U0.077; R-13		
	Below Grade	Interior	U0.077; R-13			U0.077; R-13			U0.067; R-15		
		Exterior	U0.200; R-5.0			U0.100; R-10			U0.053; R-19		
Floors	Slab Perimeter		NR			NR			U0.058; R-7.0		
	Raised Floor		U0.037; R-19			U0.037; R-19			U0.037; R-19		
	Concrete Raised Floor		U0.092; R-8.0			U0.092; R-8.0			U0.092; R-8.0		
Quality Insulation Installation (QII)			NR	NR	Yes	NR	NR	Yes	NR	NR	Yes
Roofing Products¹	Low-sloped (≤2:12)	Aged Solar Reflect.	0.63			NR			NR		
		Thermal Emittance	0.75			NR			NR		
	Steep-sloped (>2:12)	Aged Solar Reflect.	0.20			0.20			NR		
		Thermal Emittance	0.75			0.75			NR		
Fenestration	Maximum U-factor		0.27			0.27			0.27		
	Maximum SHGC		0.23			0.23			NR		
	Maximum Total Area²		30%, 75ft²	25%, 120ft²	20%, 175 ft²	30%, 75ft²	25%, 120ft²	20%, 175 ft²	20%, 175 ft²		
	Maximum West Facing Area²		60ft²	60ft²	5% or 70 ft²	60ft²	60ft²	5% or 70 ft²	NR		
Door	Maximum U-factor		0.20			0.20			0.20		
HVAC System											
Space Heating³,⁴	If Gas, AFUE⁵		N/A			N/A			N/A		
	If Heat Pump, HSPF/HSPF2⁶		MIN			MIN			MIN		
Space Cooling⁴	SEER/SEER2⁷		MIN			MIN			MIN		
	Refrigerant Charge Verification Air Conditioners		REQ			REQ			NR		
	Refrigerant Charge Verification Heat Pumps		REQ			REQ			REQ		
	Whole-House Fan⁸		NR	REQ⁹	REQ	NR	REQ⁹	REQ	NR	NR	NR
Ventilation system	Fan Efficacy⁸,¹⁰		REQ			REQ			REQ		
Ducts	Option B¹¹	Insulation	R-8			R-8			R-8		
	Option C	Insulation	R-6			R-6			R-6		

	§150.1(c)9B	REQ ¹²			REQ ¹²			REQ ¹²		
	Leakage and Testing ¹³	REQ			REQ			REQ		
		Climate Zone 13			Climate Zone 14			Climate Zone 16		
		<400ft ²	400ft ² -700ft ²	>700ft ²	<400ft ²	400ft ² -700ft ²	>700ft ²	<400ft ²	400ft ² -700ft ²	>700ft ²
Water Heating Option A, B, or C ¹⁴		A. A single 240-volt heat pump water heater (HPWH) B. A single 240-volt HPWH that meet NEEA Water Heater Specification Tier 3 C. A solar water-heating system with electric backup and minimum annual solar savings fraction of 0.7								

¹Not required for additions of 300 square feet or less.

²When percentages are given, the limit is the listed percentage of the added floor area. If two limits are given, the larger may be used.

³No electric-resistance space heating systems are allowed.

⁴ Exception 3 to Section 150.2(a): Space-conditioning system. When heating or cooling will be extended to an addition from the existing system(s), the existing heating and cooling equipment need not comply with Part 6. The heating system capacity must be adequate to meet the minimum requirements of CRC 303.10.

⁵A gas- or oil-fired warm-air furnace with a less than 225,000 Btu/hr input has been assumed for this worksheet. Please see CEC Section 110.2(a) for other heating equipment and systems.

⁶HSPF means "heating seasonal performance factor."

⁷Please see CEC Section 110.2(a) for a list of efficiency requirements specific to different heating and/or cooling types.

⁸When whole-house fans are required (REQ), only those whole-house fans that are listed in the Home Ventilating Institute Certified Products Directory may be installed. Compliance requires installation of one or more WHFs whose total airflow cfm is capable of meeting or exceeding a minimum 1.5 cfm/square foot of conditioned floor area as specified by Section 150.1(c)12.

⁹Exception to Section 150.1(c)12: New dwelling units with a conditioned floor area of 500 square feet or less shall not be required to comply with the WHF requirements.

¹⁰Dwelling units that meet the conditions in Subsection 1 or 2 below shall not be required to comply with the whole-dwelling unit ventilation airflow specified in Section 150.0(o)1C, 150.0(o)1E or 150.0(o)1F.

- Additions to an existing dwelling unit that increase the conditioned floor area of the existing dwelling unit by less than or equal to 1000 square feet.
- Junior accessory dwelling units (JADU) that are additions to an existing building.

¹¹Section 150.1(c)9A not applicable.

¹²Duct systems and air handlers of HVAC systems shall be located in conditioned space, and confirmed by field verification and diagnostic testing to meet the criterion of Reference Residential Appendix Section RA3.1.4.3.8. NOTE: Gas heating appliances installed in conditioned spaces must meet the combustion air requirements of the California Mechanical Code Chapter 7, as applicable.

¹³Not required when 40 or fewer linear feet of ducts are added/replaced. Exception 2 to Section 150.2(b)1E: Duct sealing

¹⁴ Exception 1 to Section 150.1(c)8: An electric water heater with point of use distribution as specified in RA4.4.5 may be installed for new dwelling units with a conditioned floor area of 500 square feet or less. Exception 2 to Section 150.1(c)8A and B: A 120V HPWH may be installed in place of a 240V HPWH for new dwelling unit with one bedroom or fewer.