

ENERGY CODE COMPLIANCE COMPARISON

Building / Component	7th Edition (IECC 2006)	7th Edition (IECC 2009)	Stretch Code (Append 120AA)
Fenestration U-factor (windows / skylights)	0.35 / 0.60	0.35 / 0.60	
Opaque door	one assembly	24 s.f.	
Ceiling Value	38	38	
Ceilings w/o attic	Max. 500 s.f. R-30	Max. 500 s.f. R-30 / max. 20%	
Wood Walls R-value	19, or 13 + 5	21, or 13 + 5	
Steel Walls R-value	R13+5, R15+4, R21+3	R13+5, R15+4, R21+3, R0+10	
Mass Wall R-value	30	13 / 17 >1/2 int.	
Floor R-value	30	30	
Basement Wall R-value	10 cont. /13 cav.	10 cont. /13 cav.	
Slab R-value / depth	10, 2 ft.	10, 2 ft.	
Crawl Space Wall R-value	10/13	10/13	
Air leakage	caulk / gasket listed asemb.	blower door (<7 ACH50), or air barrier / insul checklist gasket doors & outdoor air	
Fireplace	outdoor combustion	IC-rated sealed	
Recessed lighting	IC-rated sealed, or airtight box	programmable	
Thermostat	any	R-8 attics / R-6 others, excl int.	
Duct insulation	7th ed table	UL-180/181 tape, or mastic leakage test, or all interior automatic and manasl shutoffs	
Duct leakage	UL-180/181 tape, or mastic	Min. 50% perm. high eff.	
Snow melt	any		
Lighting	any		
New <3000 s.f. home			HERS 70 or less (IECC 2004) plus termal bypass checklist
New 3000 or > s.f. home			HERS 65 or less (IECC 2004) plus termal bypass checklist
Additions			IECC 2009 insul, EStar windows, plus TBC <3000 s.f. HERS 70 / 3000 +> s.f. HERS 65
Alterations / repairs			2009 IECC insul, EStar windows, and TBC or, <2000 s.f. HERS 85 / 2000 s.f. +> HERS 85 plus termal bypass checklist