

2015 IRC Table R301.2(1)

Climatic and Geographical Design Criteria (with reference)

RANGELEY, ME

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	ANNUAL MEAN TEMP
	Speed	Topographic effects	Special wind region	Wind-borne debris zone		Weathering	Frost line depth	Termite					
100 psf	115 mph	NO	NO	NO	B	severe	6 ft	none	-13	YES	09-08-1999 Flood Insurance Study	3000	39.3
2015 IRC Figure R301.2(5) & ERDC/CRREL SR-20-1	2015 IRC Figure R301.2(4)A	no official mapped zones in Rangeley			2015 IRC Figure R301.2(2)	2015 IRC Figure R301.2(3)	Maine 65-407 Ch. 407	2015 IRC Figure R301.2(6)	2015 IPC Appendix D Winter 97½%	2015 IRC R905.1.2	FEMA Community Status Book Report, Maine 02-09-2021	2015 IRC Table R403.3(2)	NOAA Air Freezing Index (comp. Ripogenus Dam)

2015 IECC Table R402.1.2

Insulation and Fenestration Requirements by Component (with explanation)

Accepted U-Factor Alternative from 2015 IECC Table R402.1.4

RANGELEY, ME

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
6A	0.32	0.55	49	20+5 or 13+10	15/20	30	15/19	10, 4ft	15/19
ref. 2015 IECC Table R301.1	excluding skylights	-	-	first figure is cavity insulation, second figure is continuous insulation	second R-value when more than half of insulation is on interior	OR sufficient to fill cavity, R-19 minimum	first figure is continuous insulation on interior or exterior, second figure is interior cavity insulation	heated slabs shall have an added R-5 to required slab edge R-value	first figure is continuous insulation on interior or exterior, second figure is interior cavity insulation
6A	n/a	n/a	0.026	0.045	0.060	0.033	0.050	n/a	0.055