

















0	Wind Design				
Snow Load	Speed (mph) V _{ult}	Topographi c Effects	Special Wind Region	Wind-borne Debris Zone	Design Category
50 psf	120 mph	Historic data* (hills, ridges, bluffs)	Historic data* (unusual wind conditions)	Historic data*	B or C

Su	Ice Barrier			
Weathering	Frost Line Depth	Termite	Underlayment Required	
Negligible Moderate	74 in.	Historic data*	Historic data*	
Maine: Severe				
If none exists, ent	er "No"			

•	Table R3	801.2(1) (Co	ontinue	ed)	
	Winter Design Temp	Flood Hazards	Air Freezing Index	Mean Annual Temp	
	2º F	Date NFIP adopted, flood study done, flood hazard maps.	1197	45º F	
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2015	2015 IRC Essentials	Workbook Page 3	39		12

















R301 - Wind Loads

Wind forces on buildings

- IRC conventional framing limited to wind speed to 140 mph (V_{ult})
 - 130 mph in hurricane prone areas









21





 R301.2 Seismic Debased on a Prescriptive 	2.2 - Seismic esign Category (SDC) as anticipated earthquake in e provisions adequate fo	ssigned to building sites Itensity and frequency or SDC A and B
Seismic Design Category	1- and 2-Family Dwellings	Townhouses
A - B	No seismic requirements	No seismic requirements
С	No seismic requirements	Seismic Requirements Apply
D ₀ , D ₁ , D ₂	Seismic Requ	irements Apply
E	Engineered De	esign Required
and a		
2015 IRC Essentials	Workbook Page 48	24









27

R301.3 – Story Heights Maximum Framing **Additional Conditions** Story Elements Height Wood walls Laterally unsupported wall stud permitted by Table 11' 7" R602.3(5) Cold-formed 11' 7" Unsupported wall stud not to exceed 10' steel 13' 7" Masonry Bearing wall clear height not greater than 12 feet* *Exception: additional 8 feet of bearing wall clear height permitted for gable end walls. 2015 IRC Essentials 28

Framing Elements	Story Height	Additional Conditions
nsulating concrete forms	11'7	Unsupported wall height per story as permitted by Section R608 tables not to exceed 10 feet
SIPS	11' 7"	Bearing wall height per story as permitted by Section R610 tables not exceed 10 feet
	1	_ •
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Table R301.5 - Live Loads

Minimum Uniformly Distributed Live Loads

USE	LIVE LOAD (psf)
Uninhabitable attics without storage	10
Uninhabitable attics with limited storage	20
Habitable attics and attics served with fixed stairs	30
Balconies (exterior) and decks	40
Fire escapes	40
Rooms other than sleeping rooms	40
Sleeping rooms	30
mg/	
2015 IRC Essentials Workbook Page 40	31

31

USE	LIVE LOAD (psf)	ADDITIONAL CONSIDERATIONS	
Guardrails and handrails	200	Single concentrated load applied in any direction along the top.	
Guardrail in-fill components	50	Horizontally applied normal load of 50 lb. on area of 1 sq. ft.	
Passenger vehicle garages	50	2,000-lb concentrated load / 20-sq. in. area.	
Stairs	40	300-lb concentrated load / 4 sq. in. of tread	



STRUCTURAL MEMBER	ALLOWABLE DEFLECTION	
Rafters having slopes greater than 3:12 with no finished ceiling attached to rafters	L/180	
Interior walls and partitions	H/180	
Floors/ceilings with plaster or stucco finish	L/360	
All other structural members	L/240	
Exterior walls—wind loads with plaster or stucco finish	H/360	
Exterior walls with other brittle finishes	H/240	
Exterior walls with flexible finishes	H/120	
Lintels supporting masonry veneer walls	L/600	



















43





R302.6 Dwelling – Garage Separation Penetrations not rated No openings from garage Roof trusses 24 in. OC Living into a sleeping room area Self-closing door Door 1³/₈"-thick solid-core wood • 1 ³/₈"-thick solid-core steel 1 ³/₈"-thick honeycomb-core Garage steel 20-minute fire-resistancerated Attached garage plan view 2015 IRC Essentials Workbook Page 157 46 000









49





51













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59





61













67









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Stairs at Exterior Doors Door other than required egress door Stairs at Exterior Doors Exception Screen or storm door may swing out over step Stairs allowed on exterior side Door cannot swing out Door swing over stairs Stairs can have a 10 in. maximum of 2 risers Threshold Finish floor Maximum 1¹/2 in. Lan 2015 IRC Essentials Workbook Page 127 74 000

















81











































101









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2015 IRC Essentials

113



