

AN ORDINANCE OF CARIBOU COUNTY, IDAHO, ADOPTING THE LATEST VERSION OF THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL RESIDENTIAL CODE, PARTS I-IV AND IX, AND THE INTERNATIONAL ENERGY CONSERVATION CODE; PROVIDING EXCEPTIONS THERETO; ADOPTING SPECIFIC DESIGN CRITERIA FOR SNOW LOAD, SEISMIC, WIND, FROST DEPTH, WEATHERING, TEMPERATURES, TERMITE INFESTATION, AND DECAY; SETTING FORTH THE METHOD BY WHICH SNOW LOAD IS CALCULATED; PROVIDING FOR SEVERABILITY; SUPPLEMENTING CHAPTER TWENTY-ONE OF THE CARIBOU COUNTY ZONING ORDINANCE; WAIVING THE RULE THAT THIS ORDINANCE BE READ ON THREE SEPARATE OCCASIONS; AND PROVIDING FOR AN EFFECTIVE DATE OF THIS ORDINANCE.

BE IT ORDAINED by the Board of County Commissioners of Caribou County, Idaho, as follows:

Section 1: CODE ADOPTION: The approved additions of the following nationally recognized codes, as adopted by the State of Idaho, or the Idaho Building Code Board, are adopted as the official codes of Caribou County, Idaho:

- A. International Building Code, including all rules promulgated by the Board to provide equivalency with the provisions of the Americans With Disabilities Act, Accessibility Guidelines and Federal Fair Housing Act Accessibility Guidelines.
- B. International Residential Code Part I-IV and Part IX, and Appendix E relating to manufactured housing, Appendix J relating to existing buildings, and Appendix L relating to fees.

Section 2: The adopted versions of the foregoing codes shall be deemed superceded by successive versions of such codes as they are adopted by the Idaho Building Code Board effective on the first day of the year following the date any such codes are made effective by the Idaho Building Code Board.

Section 3: EXEMPTIONS: Agricultural buildings are exempt from the building codes adopted herein but shall remain subject to placement requirements established by zoning regulations.

Section 4: The following design criteria are adopted for Caribou County, Idaho:

- A. Snow Load - 87 lbs/sq foot ground
60 lbs/sq foot roof (figure R301.2(5) I.R.C. and attached map)
- B. Seismic Design - Category D1 (figure R301.2(2) I.R.C.)
- C. Wind Load - 90 MPH for a 3 second gust, 75 MPH force sustained,
Category-C (figure R301.2(4) I.R.C.)
- D. Frost Depth - 36 inches below undisturbed soil surface.
- E. Weathering - severe (figure R301.2(3) I.R.C.)
- F. Winter design temperature - 0 degrees Fahrenheit (figure R301.2(1) I.R.C.)
- G. Termite Infestation probability / slight to moderate (figure R301.2(6) I.R.C.)
- H. Decay probability - None (figure R301.2(7) I.R.C.)

Section 5: The snow load for Caribou County is calculated based upon a Thirty (30) year term of records from the National Weather Service, National Resource Conservation Service, Snotell, and the Geological Department of the University of Idaho. These entities continue to monitor snow levels and snow/water densities. A snow/water density equivalent has been developed for the County. The map describing the snow/water equivalent areas entitled Show Load Zones is attached to this Ordinance and made a part hereof. The equation for determining snow/water equivalent is as follows:

Elevation x Snow/Water Equivalent as shown by attached map = ground snow load

Ground snow load x .7 = roof snow load.

Section 6: SEVERABILITY: Should any portion of this ordinance be declared invalid by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect and shall be read so as to facilitate and carry out the purposes of this Ordinance before the declaration of partial invalidity.

Section 7: This ordinance supplements Chapter Twenty-One of the Caribou County Zoning Ordinance, and if any portions of Chapter Twenty-One and this Ordinance are in conflict, this Ordinance shall prevail.

Section 8: The rule requiring that this Ordinance be read on three separate occasions is hereby waived.

Section 9: This Ordinance shall be in full force and effect from and after its passage, approval, and publication according to law.

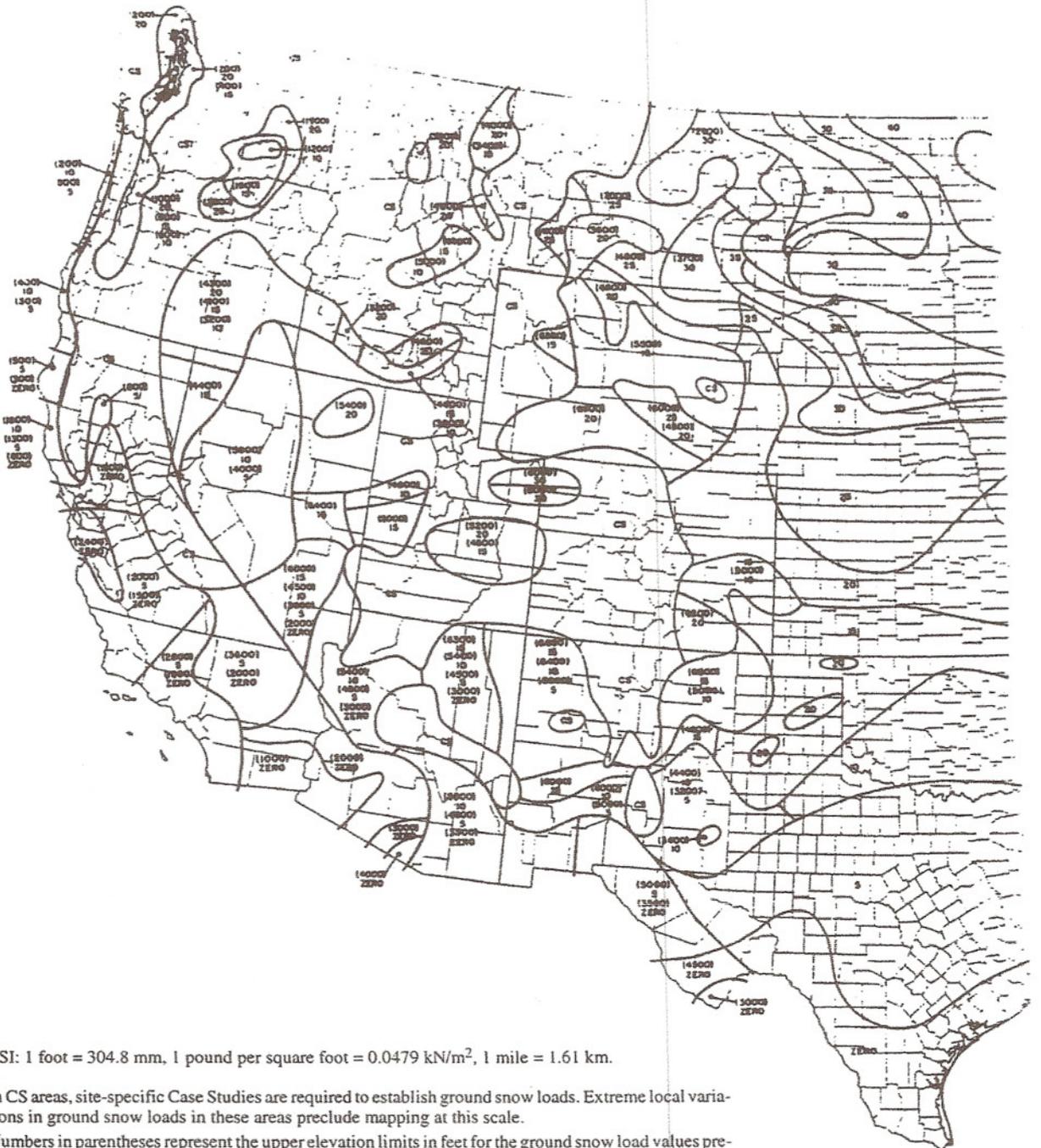
PASSED AND APPROVED by the Board of County Commissioners of Caribou County, Idaho, this 24 day of November, 2008.

BOARD OF COUNTY COMMISSIONERS
CARIBOU COUNTY, IDAHO

By: Lloyd Rasmussen
Lloyd Rasmussen, Chairman

ATTEST:

Veda Mascarenas
Veda Mascarenas, County Clerk



For SI: 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kN/m², 1 mile = 1.61 km.

- a. In CS areas, site-specific Case Studies are required to establish ground snow loads. Extreme local variations in ground snow loads in these areas preclude mapping at this scale.
- b. Numbers in parentheses represent the upper elevation limits in feet for the ground snow load values presented below. Site-specific cases studies are required to establish ground snow loads at elevations not covered.

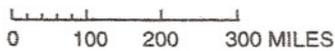
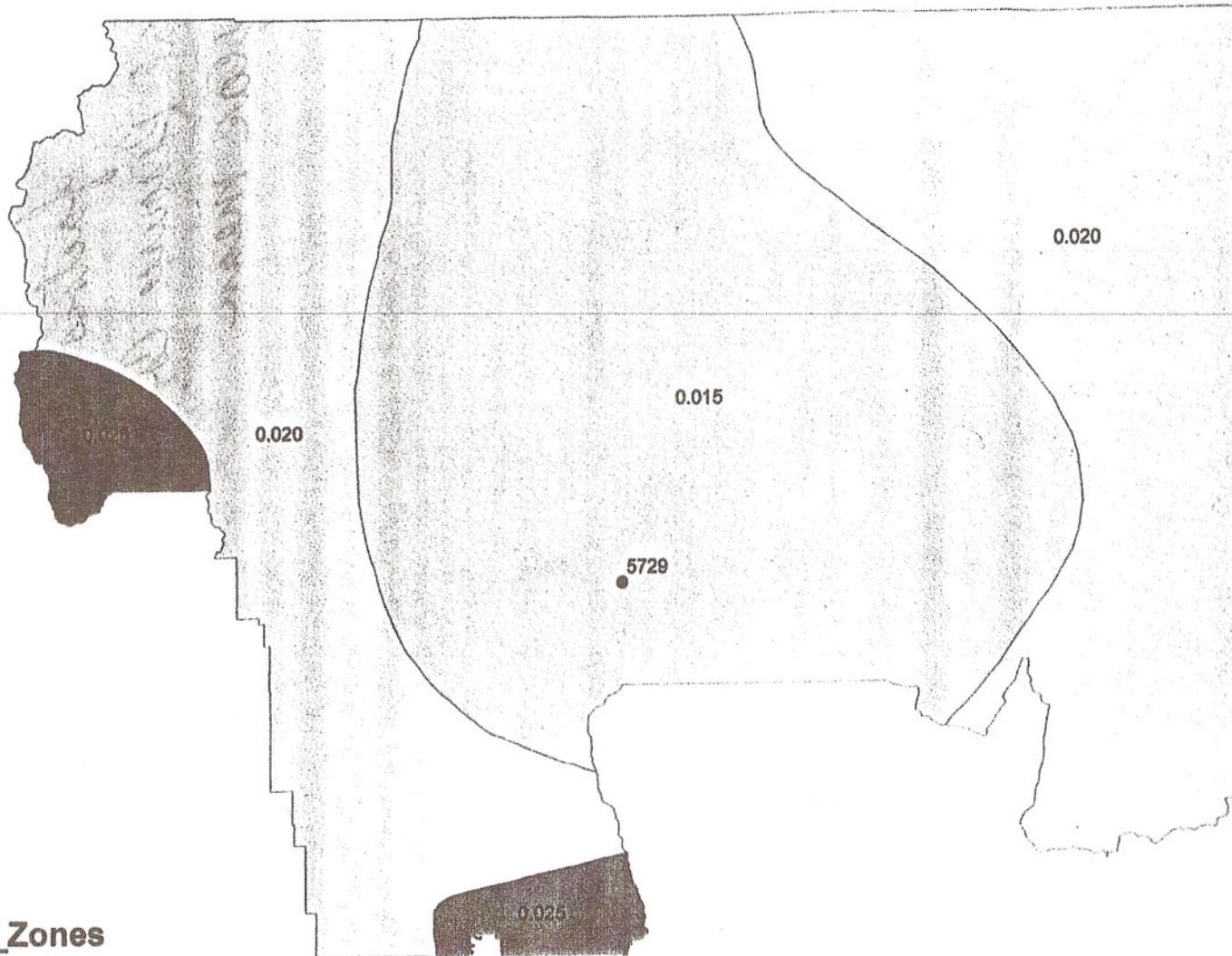


FIGURE R301.2(5)
GROUND SNOW LOADS, P_g , FOR THE UNITED STATES (lb/ft²)
(continued)

SnowLoadMap



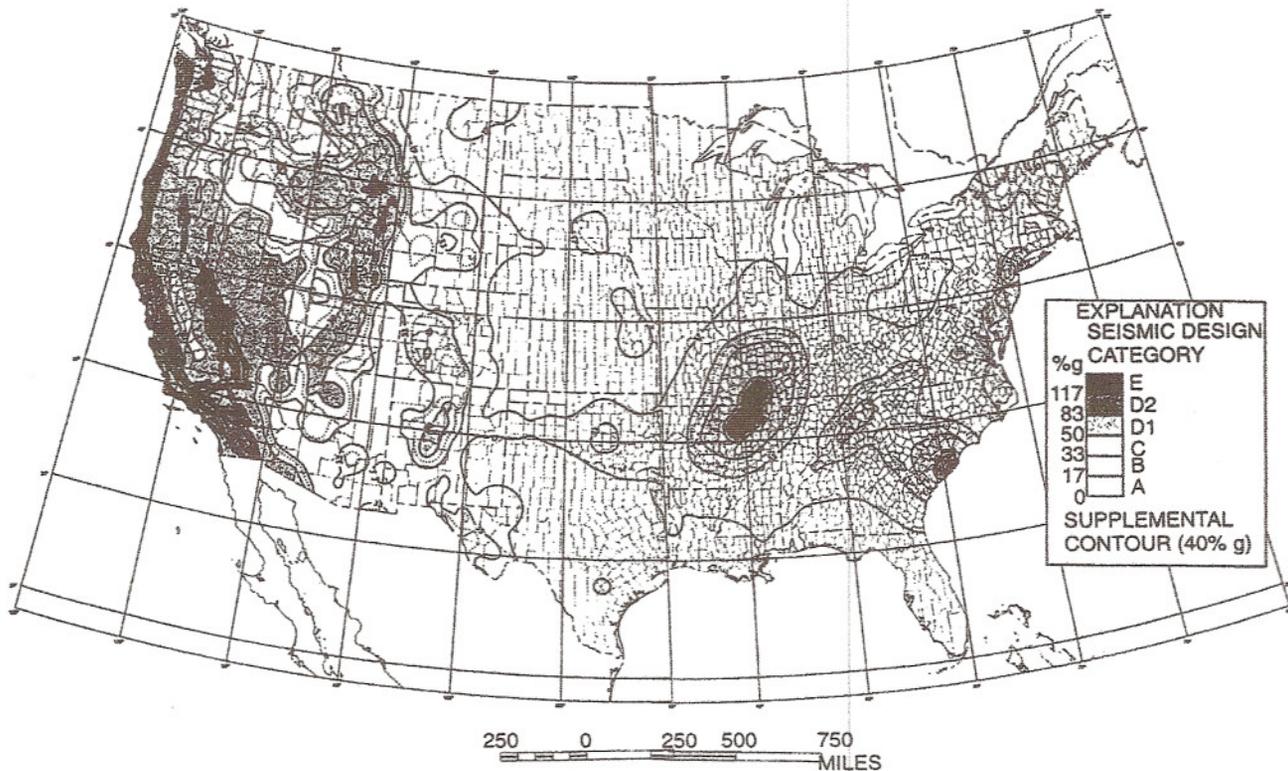
Legend

Snow_Load_Zones

ZONE

-  0.015
-  0.020
-  0.025

This map is built off of a 50 year case study done by the Geological Department of The University Of Idaho. The snow load zone is the multiplier used to figure snowload by elevation. To get ground snow load multiply elevation and zone. For roof snow multiply ground snow load by .7.



SCALE 1:15,000,000

REFERENCES

Digital data prepared with ARC/INFO 7.1.1 running under Solaris 2.5 on a UNIX workstation

Albers Equal-Area Conic Projection
Standard Parallels 29.5°N and 45.5°N
Central Meridian 95°W

Prepared by U.S. Geological Survey

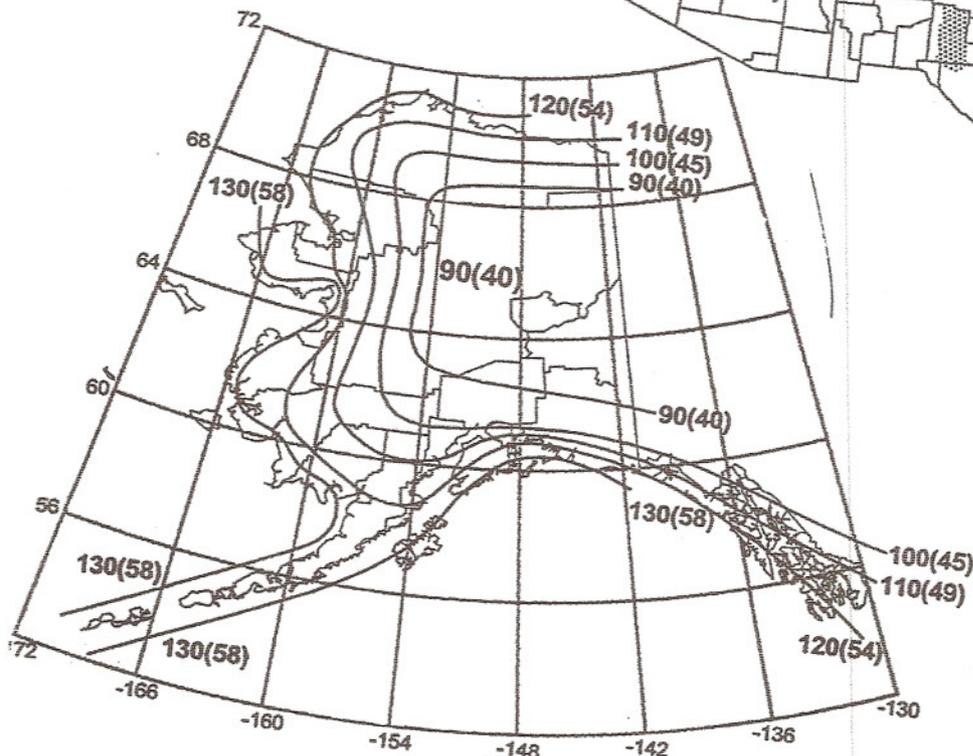
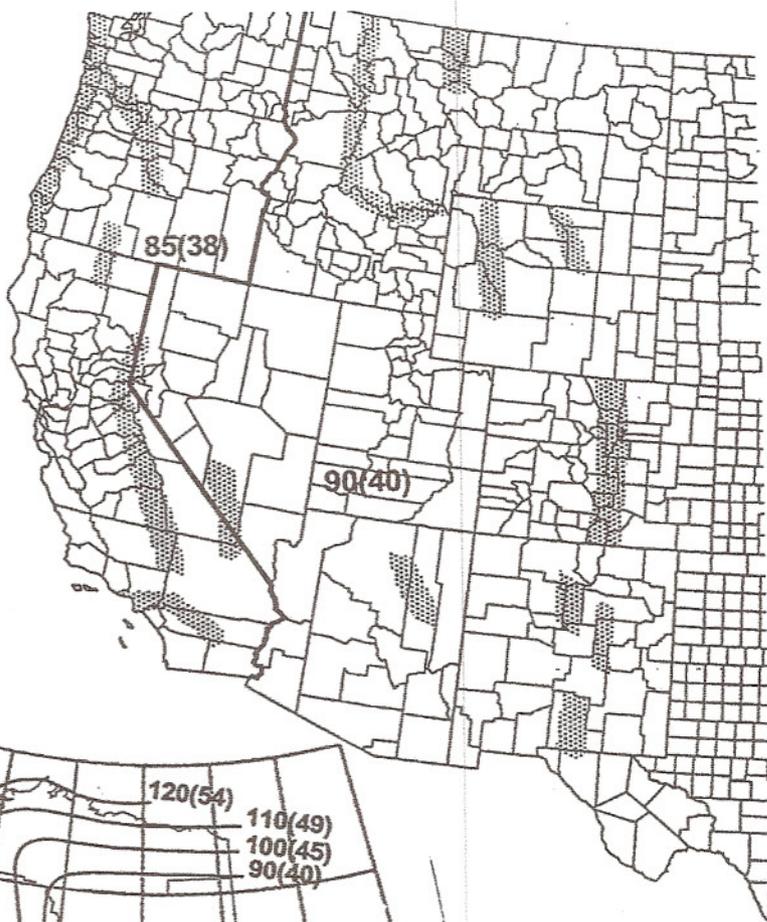
For SI: 1 mile = 1.61 km.

Frankel, A. Mueller, C., Barnhard, T., Perkins, D., Leyendecker, E. V., Dickman, N., Hanson, S., and Hopper, M., 1996, National Seismic-Hazard Maps: Documentation June 1996: U.S. Geological Survey Open-File Report 96-532, 110 p.
 Frankel, A., Muller, C., Barnhard, T., Perkins, D., Leyendecker, E. V., Dickman, N., Hanson, S., and Spectral Response Acceleration for 0.2 Second Period with 2% Probability of Exceedance in 50 Years: U. S. Geological Survey Open-File Report 97-131-F, scale 1:7,000,000.
 Petersen, M., Bryant, W., Cramer, C., Cao, T., Reichle, M., Frankel, A., Lienkaemper, J., McCrory, P., and Schwartz, D., 1996, Probabilistic Seismic Hazard Assessment for the State of California: California Division of Mines and Geology Open-File Report 96-08, 66 p., and U.S. Geological Survey Open-File Report 96-706, 66 p.

FIGURE R301.2(2)—continued
INTERNATIONAL RESIDENTIAL CODE
SEISMIC DESIGN CATEGORIES—SITE CLASS D
(continued)

Location	V mph	(m/s)
Hawaii	105	(47)
Puerto Rico	145	(65)
Guam	170	(76)
Virgin islands	145	(65)
American Samoa	125	(56)

 Special Wind Region

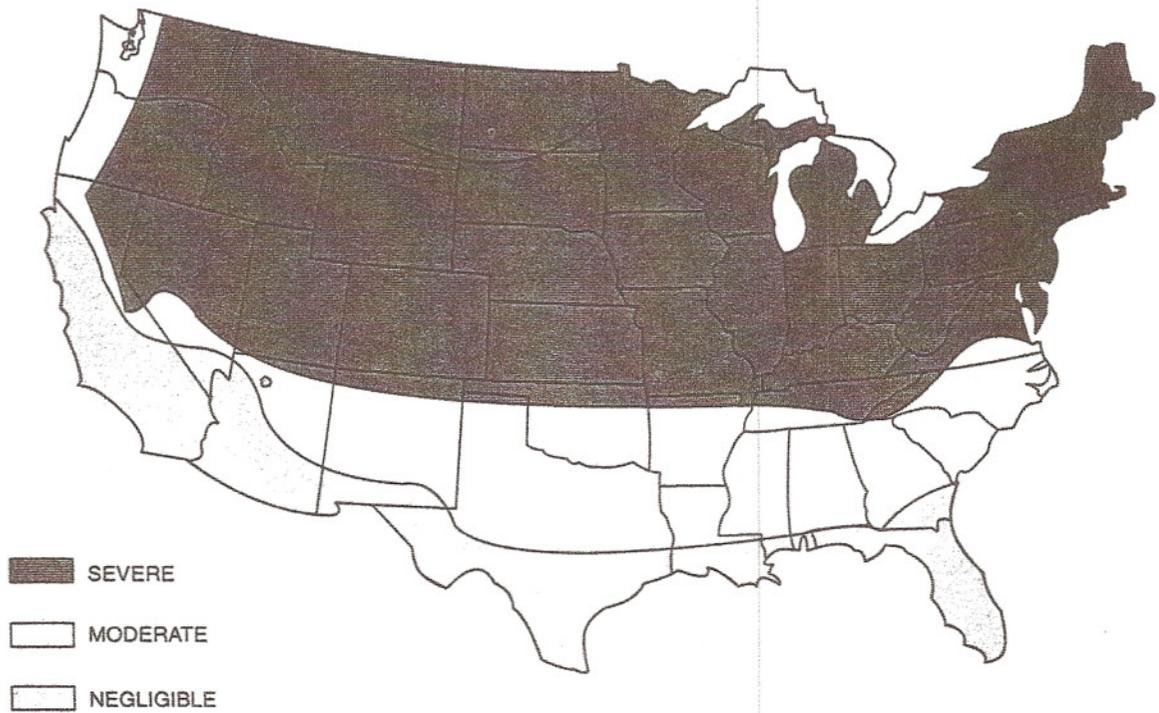


For SI: 1 foot = 304.8 mm, 1 mile per hour = 1.609 km/h.

Use Basic Wind Speed Of 110 Mph For Aleutian Islands, Virgin Islands And Puerto Rico

- a. Values are nominal design 3-second gust wind speeds in miles per hour at 33 feet above ground for Exposure C category.
- b. Linear interpolation between wind contours is permitted.
- c. Islands and coastal areas outside the last contour shall use the last wind speed contour of the coastal area.
- d. Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.

FIGURE R301.2(4)
 BASIC WIND SPEEDS FOR 50-YEAR MEAN RECURRENCE INTERVAL
 (continued)

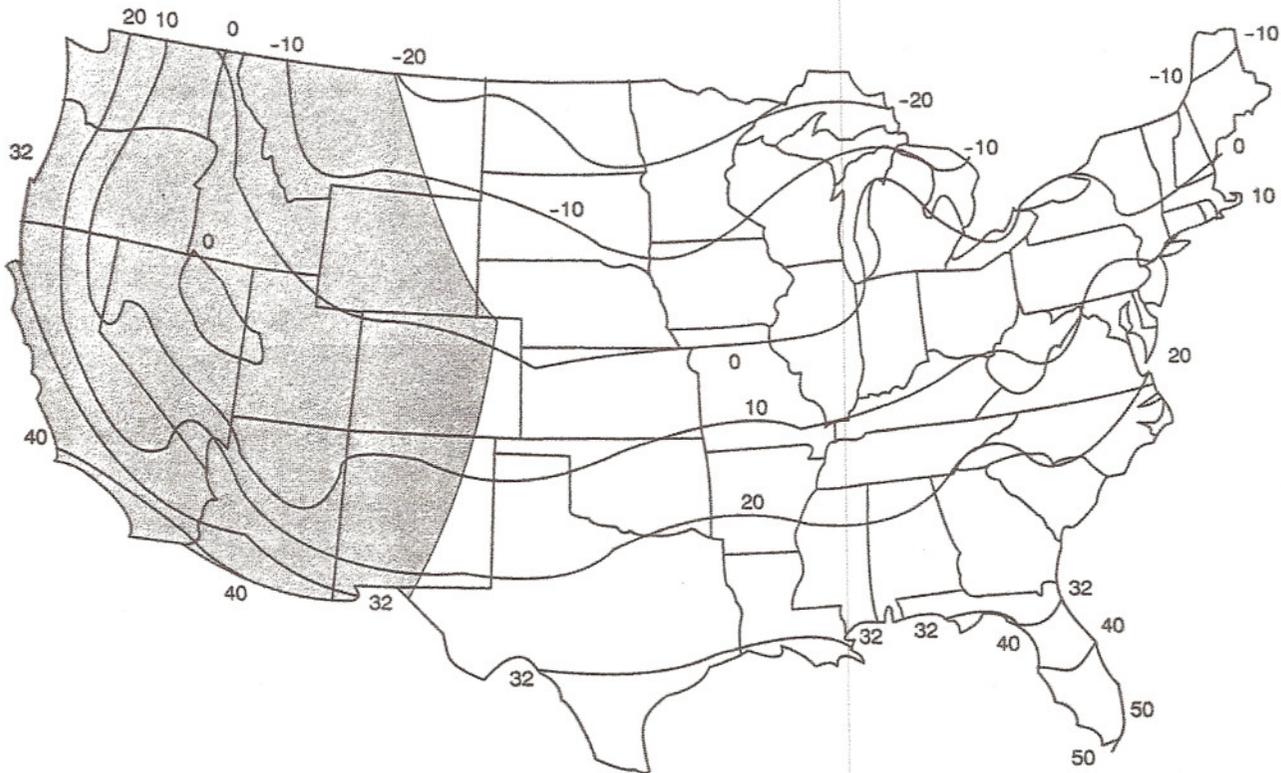


- a. Alaska and Hawaii are classified as severe and negligible, respectively.
- b. Lines defining areas are approximate only. Local conditions may be more or less severe than indicated by region classification. A severe classification is where weather conditions result in significant snowfall combined with extended periods during which there is little or no natural thawing causing deicing salts to be used extensively.

FIGURE R301.2(3)
WEATHERING PROBABILITY MAP FOR CONCRETE

TABLE R301.2(3)
HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENTS FOR TABLE R301.2(2)

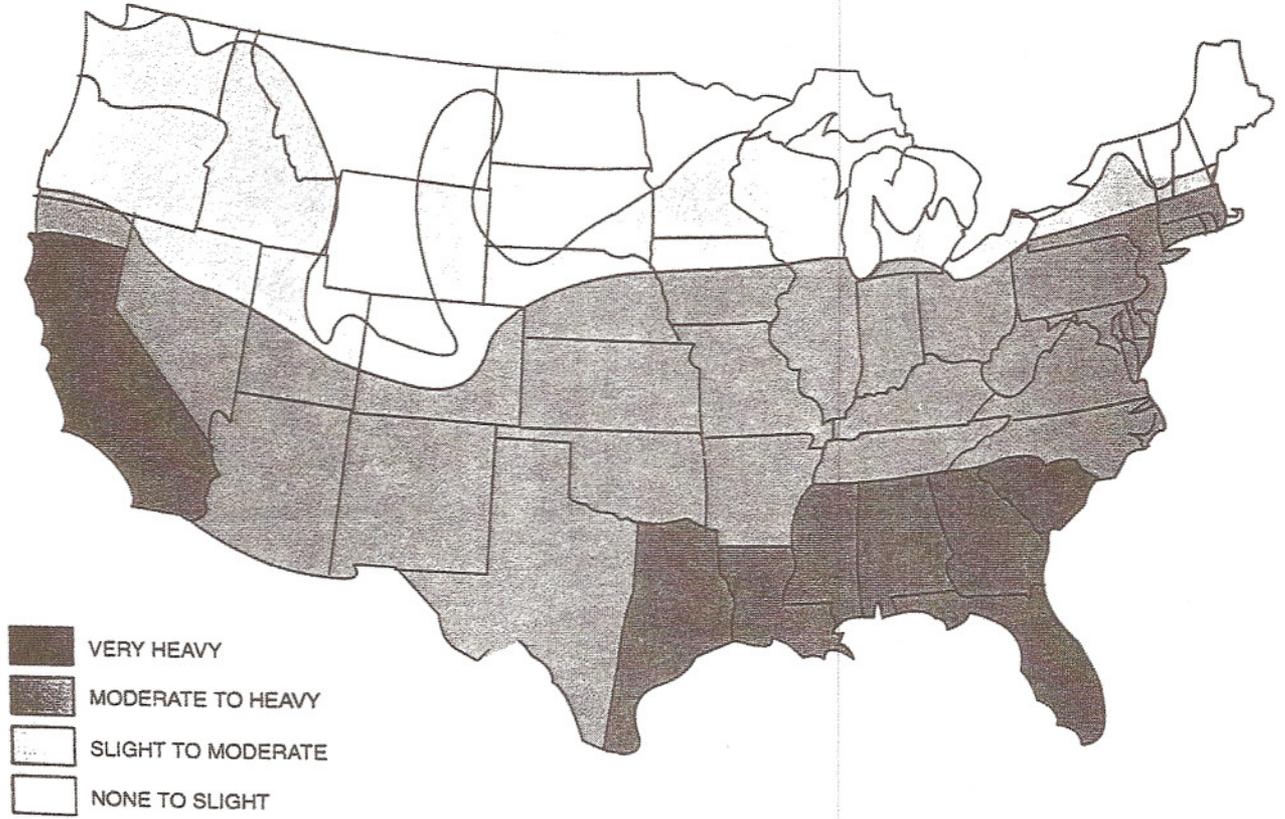
MEAN ROOF HEIGHT	EXPOSURE		
	B	C	D
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66
35	1.05	1.45	1.70
40	1.09	1.49	1.74
45	1.12	1.53	1.78
50	1.16	1.56	1.81
55	1.19	1.59	1.84
60	1.22	1.62	1.87



DESIGN TEMPERATURES IN THIS AREA MUST BE BASED ON ANALYSIS OF LOCAL CLIMATE AND TOPOGRAPHY

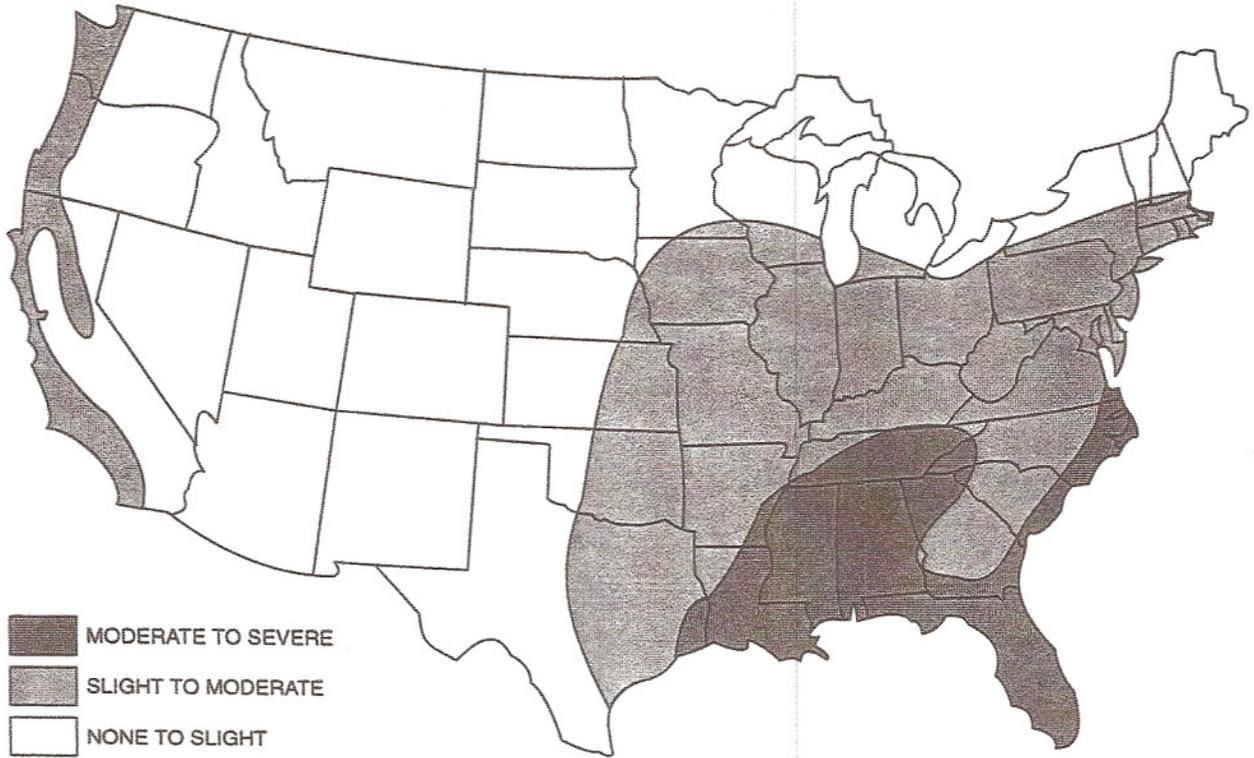
For SI: $^{\circ}\text{C} = [(^{\circ}\text{F}) - 32] / 1.8$

FIGURE R301.2(1)
ISOLINES OF THE 97 1/2 PERCENT WINTER (DECEMBER, JANUARY AND FEBRUARY) DESIGN TEMPERATURES (°F)



Note: Lines defining areas are approximate only. Local conditions may be more or less severe than indicated by the region classification.

FIGURE R301.2(6)
TERMITE INFESTATION PROBABILITY MAP



Notes: Lines defining areas are approximate only. Local conditions may be more or less severe than indicated by the region classification.

FIGURE R301.2(7)
DECAY PROBABILITY MAP