



CITY OF COEUR D'ALENE
BUILDING SERVICES DEPARTMENT

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Coeur d'Alene, Idaho

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Current Adopted Codes and Design Criteria

Current Adopted Codes

- 2018 International Building Code (IBC)
- 2018 International Existing Building Code (IEBC)
- 2018 International Energy Conservation Code (IECC)
- 2018 International Fire Code (IFC)
- 2018 International Mechanical Code (IMC)
- 2018 International Fuel Gas Code (IFGC)
- 2018 International Residential Code (IRC)
- 2017 Idaho State Plumbing Code
- 2009 Accessible and Usable Buildings and Facilities ICC A117.1-2009

Design Criteria

- Seismic Design Category C
- Wind Speed: 100 - 115 mph (IBC ultimate design wind speed)
- Wind Speed: 115 mph (IRC ultimate design wind speed)
- Soil bearing capacity of 1500 psf (without soils investigation)
- Frost depth: 24" minimum
- Roof Snow load: 40 lbs per sq.ft.
- Ground snow load: 60 lbs per sq.ft.

TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Topographic effects	Special wind region	Windborne Debris zone		Weathering	Frost line depth	Termite					
60	115	NO	NO	NO	C	SEVERE	24"	Slight	-1	YES	City Code 15.32.010	809	48.3

MANUAL J DESIGN CRITERIA

Elevations	Latitude	Winter Heating	Summer Cooling	Altitude Correction factor	Indoor design temperature	Design Temperature cooling	Heating temperature difference
	47	-1	86	.89	70	75	71
Cooling Temperature difference	Wind velocity heating	Wind velocity cooling	Coincident Wet bulb	Daily Range	Winter Humidity	Summer humidity	
	5MPH	5MPH	61	H	50%	50%	