

## Petersburg Borough Current Building Codes & Design Criteria

### Current Codes

2012 International Building Code  
2012 International Residential Code  
2012 International Mechanical Code  
2012 Uniform Plumbing Code  
2012 International Fire Code  
2017 National Electrical Code

### Structural Design Criteria

Snow: 50 psf Roof Snow Load  
Decks: 50 psf Live Load  
Wind: 100 mph = 30 psf; wind exposure = c  
Seismic: 2B

### Minimum Insulation Values (typical Assemblies & R values, some exceptions may apply)

Ceiling: R-49 minimum required  
Walls: R-21 minimum required  
Floor: R-38 minimum required  
Glazing: u-0.35 maximum required

### Helpful Hints

Excess humidity in tightly built homes can be a major source of aggravation here in Southeast Alaska. The proper application of a vapor retarder will protect the walls and ceilings of a home from moisture related damage. During cold weather it will quickly become apparent when moisture levels are too high because condensation will occur on cold windows or wall surfaces. Many factors influence production of water in a home by its occupants. Cooking, bathing, breathing and indoor plants are a few examples. It appears that smaller dwellings are more likely candidates for moisture problems. Control of moisture at its source is vital. Crawlspace and attics must be ventilated. Dryer vents, bathroom and kitchen exhaust fans must exhaust to the outside or problems will surely arise. If additional ventilation is needed, through-the-wall heat exchanges may offer a cost-effective solution.