

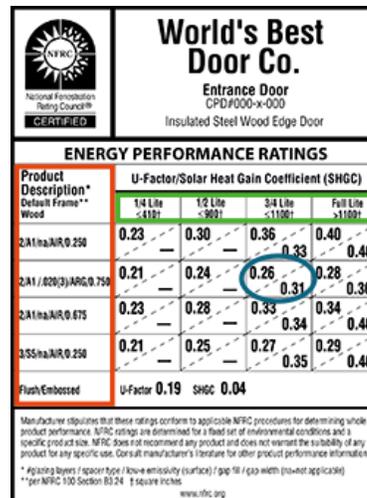
## Prescriptive Method for Energy Efficiency Determination

The City of North Pole has adopted and amended the International Energy Code<sup>1</sup>. Should you choose to use the **Prescriptive Method for Energy Efficiency Determination** to achieve the minimum required +4 energy efficiency rating, along with your building plans you must provide the information below with your Building Permit application.

- Ventilation calculations of the building to include size and type of HRV or equivalent and kitchen and bathroom fans (CFM).
- Heating and cooling systems BTU and Building BTU Heat load.
- Insulation must meet minimum R-values as listed below.

Climate Zone 8	R-Value	U-Factor	
Windows	3.22	0.31	Check the NFRC sticker
Doors	7	0.14	Check the NFRC sticker
Ceiling	60 or 49		Smaller R-value applies to properly sized, energy heel truss
Exterior Framed Wall	21		Includes rim joist
Floor	38		For exterior exposed floors only, floors above crawl spaces do not require insulation
Below grade walls	19 or 15		The first R-value applies to framing cavity insulation; the second applies to continuous insulation. Either meets minimum requirements
Slab	15 or 20		The first R-value applies to non-heated slabs; the second applies to heated slabs
Crawlspace walls	19 or 15		The first R-value applies to framing cavity insulation; the second applies to continuous insulation. Either meets minimum requirements

**NOTE:** U-Factors are used to measure efficiency of doors and windows and are the inverse of the R-value. See the NFRC (National Fenestration Rating Council) sticker on your windows and doors (see example).



<sup>1</sup> Municipal Code: [www.codepublishing.com/AK/NorthPole/#!/NorthPole15/NorthPole1590.html#15.90](http://www.codepublishing.com/AK/NorthPole/#!/NorthPole15/NorthPole1590.html#15.90)