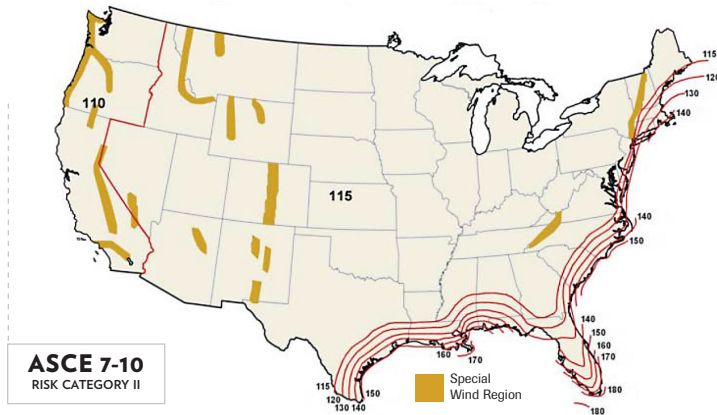


# ARE YOU AWARE OF THE CHANGES FROM ASCE 7-10 TO 7-16?

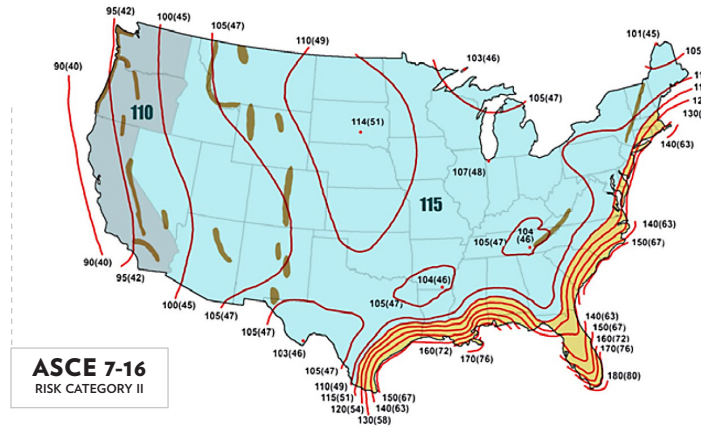
## 2018 Edition of the International Building Code (IBC)

- 4 Wind speed maps based on Risk Category
- New Roof Zones – 5 potential layouts based on roof size to height ratio
- ASCE 7-16 Calculation **EXAMPLE:**  $q_z = 0.00256 \times K_z \times K_{zt} \times K_d \times K_e \times V^2$



## BE AWARE OF THESE CHANGES

- 3 maps to 4 maps
- Impact roof zone layouts
- And potential adjustments needed for # of fasteners

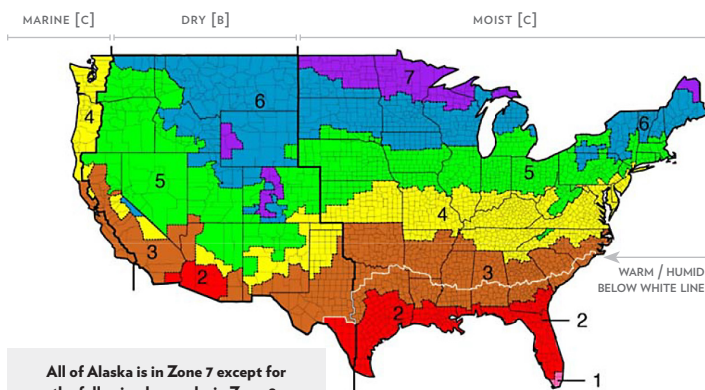


## Wind load factors used in the determination of the design

- Roof Area Dimensions/Mean Roof Height/Slope
- Building Configuration (Enclosed, Partially Enclosed or Open)
- Exposure Category/Ground Surface Roughness (B, C or D)
- Risk Category/Occupancy (I, II, III or IV)
- Basic Wind Speed (Risk Category ASCE 7 Wind Maps)

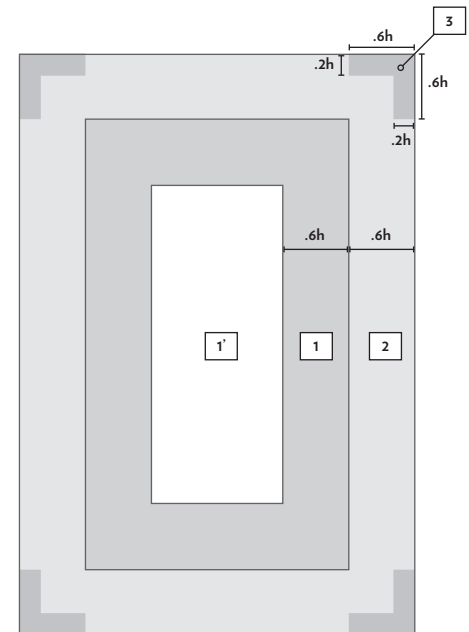
## 2018 Edition of the International Energy Conservation Code (IECC)

- Roofing insulation requirements vary depending on geographic location
- Option to use the ASHRAE 90.1 Standard for Commercial Buildings
- Additional language regarding Air Barriers (AB) (Section C402.5.1)



All of Alaska is in Zone 7 except for the following boroughs in Zone 8:  
Bethel, Northwest Arctic, Dellenham, Southeast Fairbanks, Fairbanks N. Star, Wade Hampton, Nome, Yikpon-Koyukuk, North Slope

**Zone 1 includes:**  
Guam, Puerto Rico, Virgin Islands



**Example of potential roof zone layout.**  
See Figure C30-1 in ASCE 7-16

ASCE Maps provided courtesy of S.K. Ghosh and Associates  
Climate Zone Map referenced from the IECC

Please contact your GenFlex Sales Rep for questions and support.