

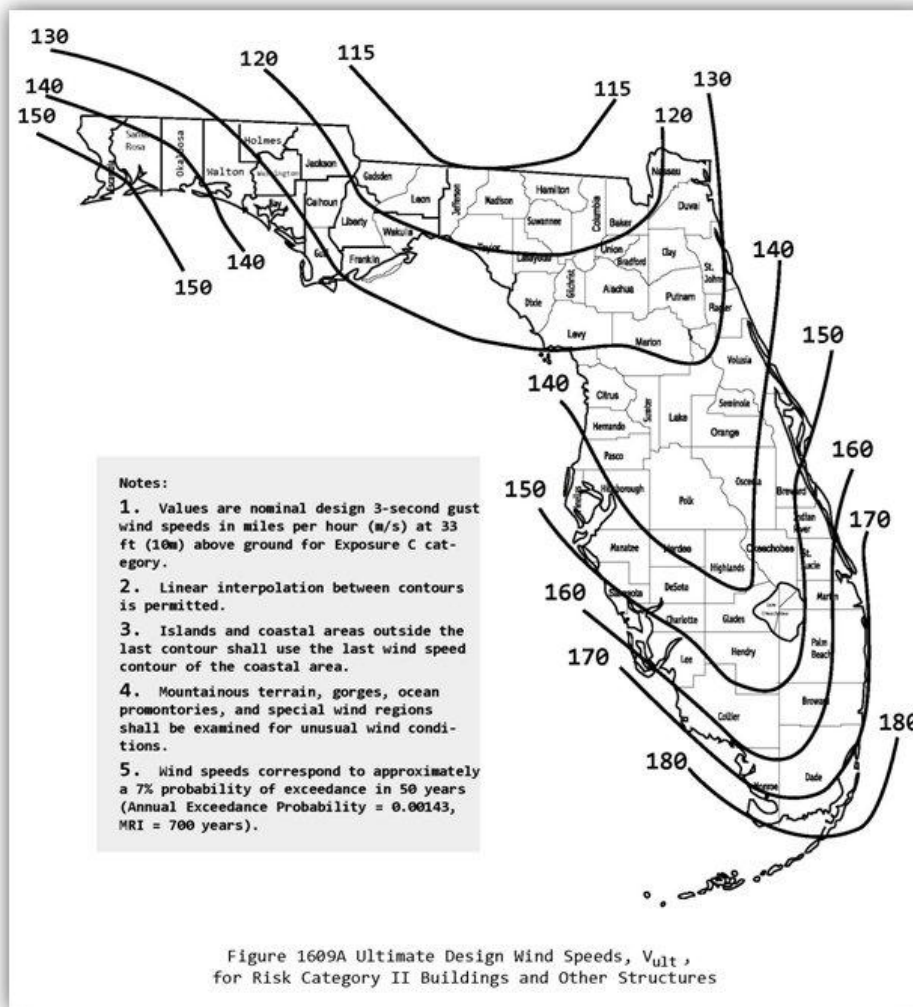


# City of Port St. Lucie 2017 6<sup>th</sup> Edition Florida Building Code Wind Zones

**Category 1 – (140 mph)** – Low Hazard to Human Life such as Screen Enclosures, Carports and Sheds etc...

**Category 2 – (150 mph)** – Covers most Buildings including Single Family Dwellings and Sunrooms

**Category 3 & 4 – (160 mph)** – Covers Public Assembly with an Occupancy Load greater than 300 or schools, daycare facilities with an occupant load greater than 250 person, hospitals, any occupancy with an occupant load of 5000 or greater, and essential facilities such as emergency command centers, fire and police stations and the like.



**TABLE 1609.3.1 WIND SPEED CONVERSIONS<sup>a, b, c</sup>**

$V_{ult}$	100	110	120	130	140	150	160	170	180	190	200
$V_{asd}$	78	85	93	101	108	116	124	132	139	147	155

For SI: 1 mile per hour = 0.447 m/s.

a. Linear interpolation is permitted.

b.  $V_{asd}$  = nominal design wind speed.

c.  $V_{ult}$  = ultimate design wind speed determined from Figures 1609A, 1609B, or 1609C.