

June 2nd, 2020

HERNANDO

Figure 1609.3(3)

Ultimate Design Wind Speeds

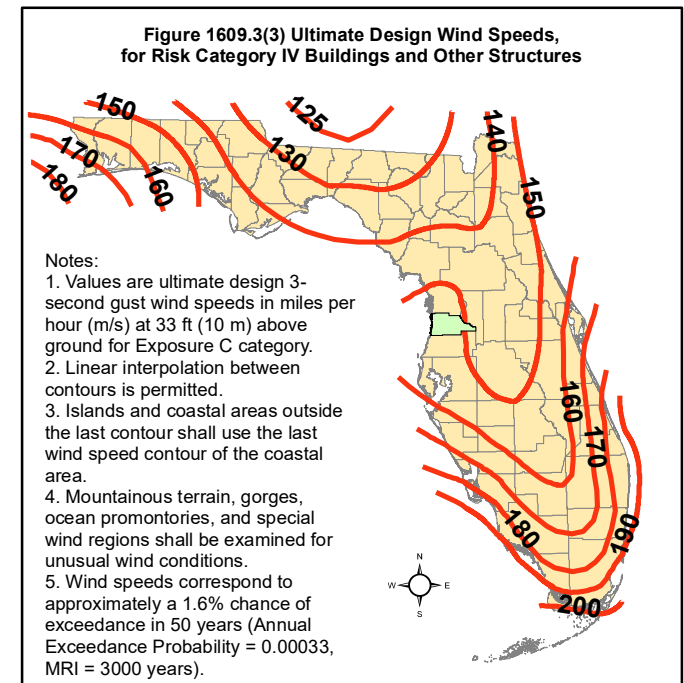
Risk Category IV Buildings

BASIC WIND SPEED. The basic wind speed in miles per hour, for the development of wind loads, shall be determined from Figure 1609.3. The exact location of wind speed lines shall be established by local ordinance using recognized physical landmarks such as major roads, canals, rivers and lake shores whenever possible.

WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions located:

1. Within 1 mile (1.61 km) of the coastal mean high water line where the ultimate design wind speed V_{ult} is 130 mph (58 m/s) or greater; or
2. In areas where the ultimate design wind speed V_{ult} is 140 mph (63.6 m/s) or greater

For Risk Category II buildings and other structures and Risk Category III buildings and other structures, except health care facilities, the windborne debris region shall be based on Figure 1609.3(1). For Risk Category III health care facilities, the windborne debris region shall be based on Figure 1609.3(2). For Risk Category IV buildings and other structures, the windborne debris region shall be based on Figure 1609.3(3).



Sources: Florida Department of Business and Professional Regulations, Building Codes and Standards Office; Florida Building Commission; Applied Research Associates, Inc.; University of Florida GeoPlan Center; Florida Geographic Data Library; Florida Building Code 2020; County Building Official, 06/02/2020