



**Volusia County Schools  
Facilities Services**

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**ADDENDUM NO. 1**

**Issue Date:** July 10, 2018

The following modifications shall be incorporated to the 6<sup>th</sup> Edition of the Guidelines for Design and Construction of Educational Facilities for the School Board of Volusia County Florida. Any questions regarding these modifications should be directed to Tom Brown, Coordinator Facilities Design and Construction, for consideration.

Reference: Additional Requirements, Volusia County Wind Speed, Page 1 of 2 – Page 2 of 2  
Replace: Fifth Edition Florida Building Code with Sixth Edition  
Replace: 2014 Florida Building Code with 2017

See edited Wind Speed document attached to this addendum.

**END OF ADDENDUM NO. 1**

# WIND SPEED

**TABLE 1604.5 (VCS MODIFIED)  
RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES**

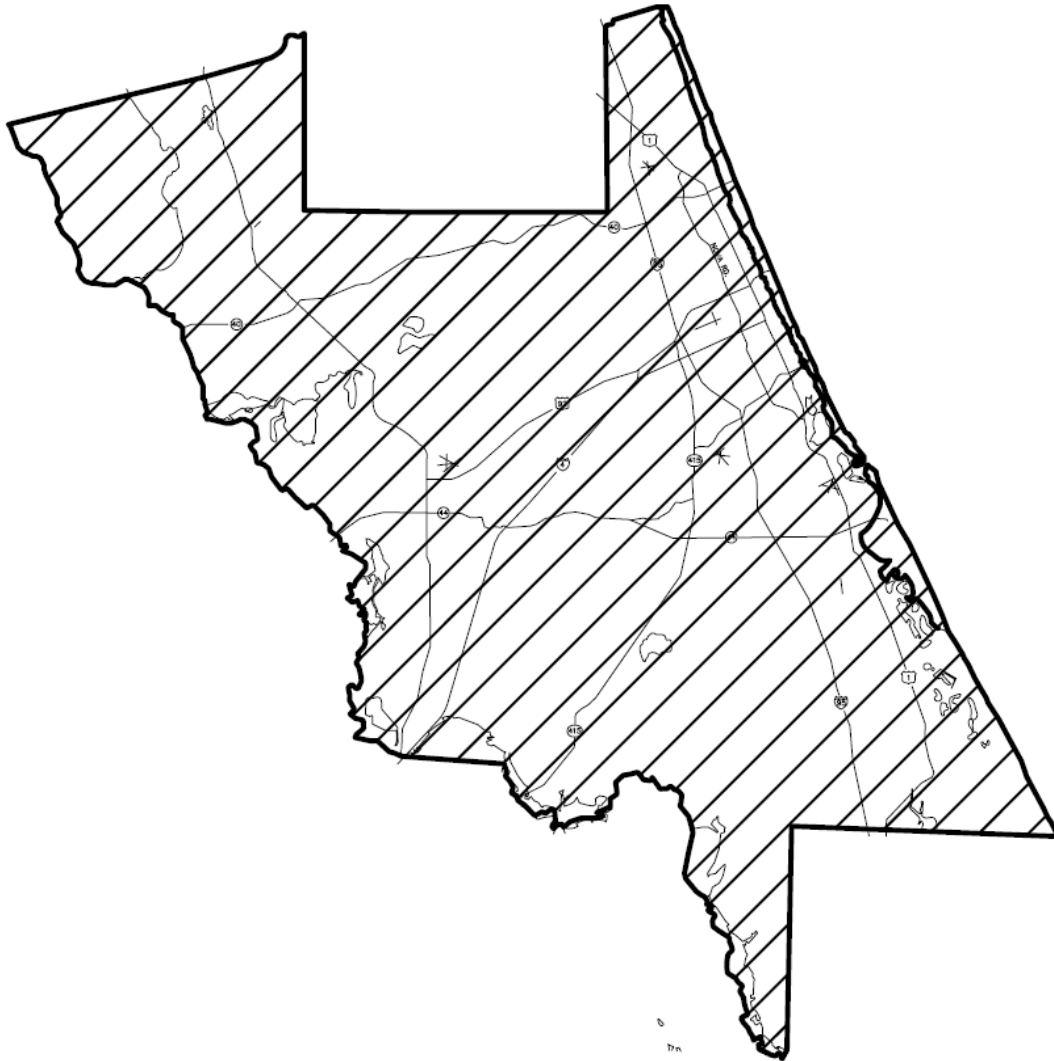
## RISK CATEGORY

- I. Not applicable to VCS facilities or structures
- II. Not applicable to VCS facilities or structures
- III. Buildings and other structures that represent a substantial hazard to human life in the event of failure, including but not limited to:
  - All Volusia County Schools facilities and structures.
  - Buildings and other structures whose primary occupancy is public assembly with an occupant load greater than three hundred (300).
  - Buildings and other structures containing elementary school, secondary school or day care facilities with an occupant load greater than two hundred fifty (250).
  - Buildings and other structures containing adult education facilities, such as colleges and university, with an occupant load greater than five hundred (500).
  - Group I-2 occupancies with an occupant load of fifty (50) or more resident patients but not having surgery or emergency treatment facilities.
  - Group I-3 occupancies.
  - Any other occupancy with an occupant load greater than five thousand (5,000) <sup>a</sup>.
  - Power-generating stations, water treatment facilities for potable water, waste water treatment facilities and other public utility facilities not included in Risk Category IV.
  - Buildings and other structure not included in Risk Category IV containing sufficient quantities of toxic or explosive substances to be dangerous to the public if released.
- IV. Buildings and other structure designated as essential facilities, including but not limited to:
  - All Volusia County Schools facilities and structures.
  - Group I-2 occupancies having surgery or emergency treatment facilities.
  - Fire, rescue, ambulance and police stations and emergency vehicle garages.
  - Designed earthquake, hurricane or other emergency shelters.
  - Designated emergency preparedness, communications and operations centers and other facilities required for emergency response.
  - Power-generating stations and other public utility facilities required as emergency backup facilities for Risk Category IV structures.
  - Structures containing highly toxic materials as defined by Section 307 where the quantity of the material exceeds the maximum allowable quantities of Table 307.1(2).
  - Aviation control towers, air traffic control centers and emergency aircraft hangars.
  - Building and other structures having critical national defense functions.
  - Water storage facilities and pump structures required to maintain water pressure for fire suppression.

<sup>a</sup> For purposes of occupant load calculation, occupancies required by Table 1004.1.2, Florida Building Code, to use gross floor area calculations shall be permitted to use net floor areas to determine the total occupant load.

# WIND SPEED

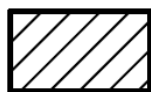
Florida Building Code wind speed maps and tables have been modified for Volusia County School District property.



## Volusia County

Figure 1609B (VCS modified)

VCS Ultimate Design Wind Speed, Vult



155 MPH AND WINDBORNE  
DEBRIS PROTECTION  
THROUGHOUT THE COUNTY AT  
ALL VCS FACILITIES

~~Fifth~~ Sixth Edition (~~2014~~ 2017) Florida Building Code - Building