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Sent: Monday, January 30, 2023 1:33 PM

To: Madani, Mo <Mo.Madani@myfloridalicense.com>

Cc: 'Shabaniyan, Milad' <mshabaniyan@ibhs.org>

Subject: Comment on the 8th Edition (2023) Florida Building Code, Building and Florida Building Code, Residential

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Mo...Please accept the following comments/changes to the 8th Edition (2023) Florida Building Code -

Add the following new note to Figures 1609.3(1), 1609.3(2), 1609.3(3), and 1609.3(4) in the Florida Building Code, Building:

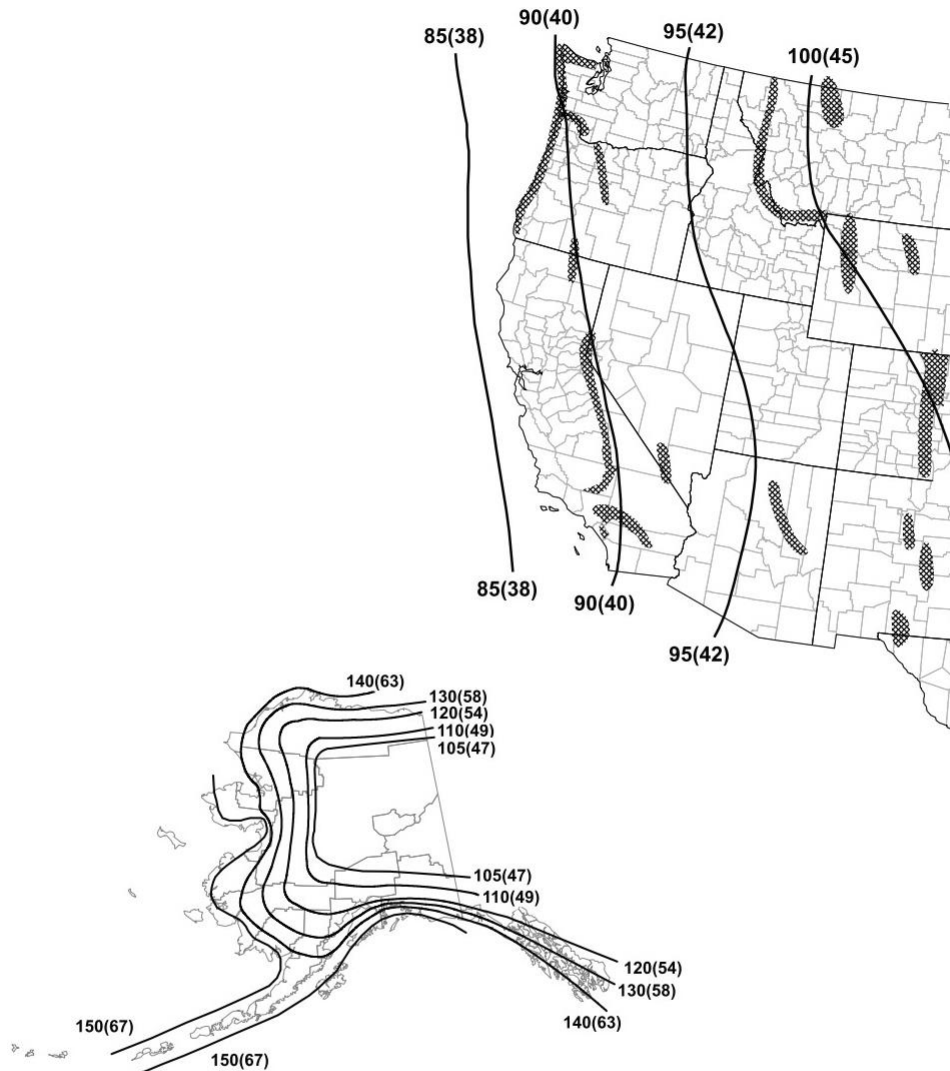
6. Location-specific wind speeds shall be permitted to be determined using the ASCE Wind Design Geodatabase. The ASCE Wind Design Geodatabase can be accessed at the ASCE 7 Hazard Tool (<https://asce7hazardtool.online>) or equivalent.

Add the following new note to Figure R301.2(4) in the Florida Building Code, Residential:

8. Location-specific wind speeds shall be permitted to be determined using the ASCE Wind Design Geodatabase. The ASCE Wind Design Geodatabase can be accessed at the ASCE 7 Hazard Tool (<https://asce7hazardtool.online>) or equivalent.

Rationale: This note provides consistency with the wind speed map notes and Section 26.5.1 in ASCE 7-22. When the wind speed maps were updated for the 8th Edition (2023) FBC, we overlooked an important note that was added to the maps in ASCE 7-22. Many jurisdictions and engineers across Florida have been relying on the ATC Hazard by Location wind speed database for site-specific wind speeds. The ATC wind speed database provides site-specific wind speeds for ASCE 7-16 and earlier versions. However, ATC does not plan to update the database to include wind speeds for ASCE 7-22. The wind loading provisions in the 8th Edition (2023) Florida Building Code have been updated to ASCE 7-22. The ASCE Wind Design Geodatabase (also referred to as the ASCE 7 Hazard Tool) provides key site-specific design parameters in ASCE 7 including wind speeds for ASCE 7-10, ASCE 7-16, and ASCE 7-22. The ASCE Wind Design Geodatabase is a free tool that is maintained by ASCE. Since ATC will not be updating their database to ASCE 7-22, it is important to add this note for users of the FBC to ensure site-specific winds comply with the 8th Edition (2023) Florida Building Code.

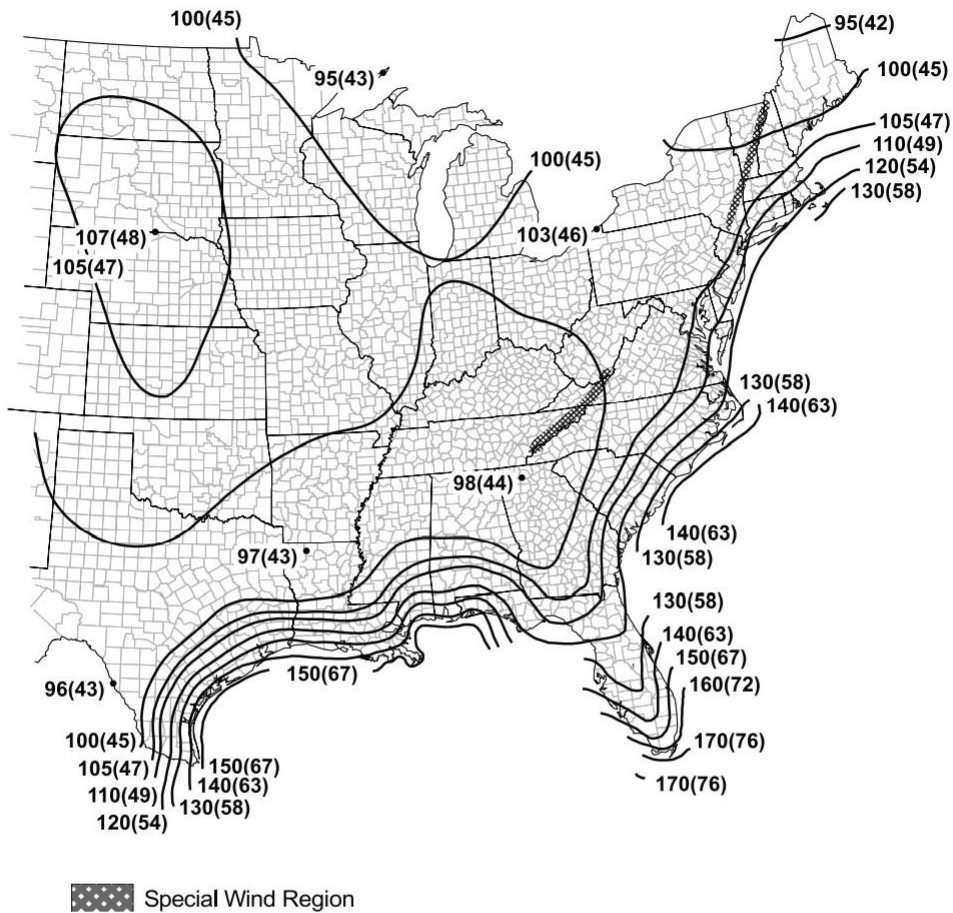
See the following from ASCE 7-22:



Notes:

1. Values are 3 s gust wind speeds in mi/h (m/s) at 33 ft (10 m) above ground for Exposure Category C.
2. Linear interpolation is permitted between contours. Point values are provided to aid with interpolation.
3. Islands, coastal areas, and land boundaries outside the last contour shall use the last wind speed contour.
4. Location-specific basic wind speeds shall be permitted to be determined using the ASCE Wind Design Geodatabase.

Figure 26.5-1A. Basic wind speeds for Risk Category I buildings and other structures.



5. Wind speeds for Hawaii, US Virgin Islands, and Puerto Rico shall be determined from the ASCE Wind Design Geodatabase.

6. Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions. Site-specific values for selected special wind regions shall be permitted to be determined using the ASCE Wind Design Geodatabase.

7. Wind speeds correspond to approximately a 15% probability of exceedance in 50 years (Annual Exceedance Probability = 0.00333, MRI = 300 years).

8. The ASCE Wind Design Geodatabase can be accessed at the ASCE 7 Hazard Tool (<https://asce7hazardtool.online>) or approved equivalent.

Figure 26.5-1A (Continued). Basic wind speeds for Risk Category I buildings and other structures.