



MARTIN COUNTY BUILDING DEPARTMENT  
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## MARTIN COUNTY FORM 100

DESIGN CERTIFICATION FOR WIND LOAD

COMPLIANCE BY ARCHITECT OR ENGINEER OF RECORD

PROJECT NAME AND ADDRESS

BUILDING DEPARTMENT USE ONLY

BLDG.PERMIT# \_\_\_\_\_

OCCUPANCY TYPE \_\_\_\_\_

CONST. TYPE \_\_\_\_\_

COMMENTS \_\_\_\_\_

STATEMENT

I certify that, to the best of my knowledge and belief, these plans and specifications have been designed to comply with the applicable structural portion of the Building Codes as amended, adopted, and enforced by Martin County Building Department. I also certify that the structural components, systems, and related elements provide adequate resistance to the wind loads and forces specified by the current Code provisions. I hereby accept responsibility for the structural design.

### DESIGN PARAMETERS AND ANALYSIS

CODE EDITIONS: FLORIDA BUILDING CODE 8TH EDITION (2023) CHAPTER 6 OF ASCE 7-22

Building Design As: Partially Enclosed \_\_\_\_\_ Enclosed \_\_\_\_\_ Open \_\_\_\_\_  
Wind Tunnel Test \_\_\_\_\_

Ultimate Design Wind Speed: (Figure 1609.3(1), 1609.3(2) AND 1609.3(3)) \_\_\_\_\_

Nominal Design Wind Speed: (Figure R301.2(4) OR 1609.3.(1)) \_\_\_\_\_

To determine the above wind speeds, click on the following link: <http://geoweb.martin.fl.us/info/>

Risk Category (Table 1604.5) I \_\_\_\_\_ II \_\_\_\_\_ III \_\_\_\_\_ IV \_\_\_\_\_

Wind Importance/Use Factor \_\_\_\_\_

Internal Pressure Coefficient \_\_\_\_\_

Garage Door Design Pressure \_\_\_\_\_ +psf (positive) \_\_\_\_\_ -psf (negative)

Door Design Pressure (Int. Zone) \_\_\_\_\_ +psf \_\_\_\_\_ -psf (End Zone) \_\_\_\_\_ +psf \_\_\_\_\_ -psf

Window Design Pressure (Int. Zone) \_\_\_\_\_ +psf \_\_\_\_\_ -psf (End Zone) \_\_\_\_\_ +psf \_\_\_\_\_ -psf

Exposure \_\_\_\_\_

Impact Protection (Exterior Openings): Approved Shutters \_\_\_\_\_ Impact Resistant Glass \_\_\_\_\_

(MUST BE INDICATED ON PERMIT DOCUMENTS FOR ALL RESIDENTIAL/COMMERCIAL BUILDINGS, ALTERATIONS, AND RENOVATIONS)

NOTE: ACTUAL DESIGN PRESSURES FOR ALL EXTERIOR WINDOWS, DOORS, GARAGE DOORS, AND SIMILAR ENVELOPE ELEMENTS MUST ALSO BE INDICATED ON CONSTRUCTION PLANS.

As witnessed by my seal, I hereby certify that the above information is true and correct to the best of my knowledge.

Name: \_\_\_\_\_ Certification

No:

Date: \_\_\_\_\_

SEAL

Design Firm: \_\_\_\_\_

Other: \_\_\_\_\_

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