

DESIGN CERTIFICATION FOR WIND LOAD COMPLIANCE

This Certification is to be completed by the project design architect or engineer.

Project Name & Address _____

Occupancy Type _____ Construction Type _____

Certification 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 currently adopted and enforced by the City of Orange Beach. I also certify that structural elements depicted on these plans provide adequate resistance to the wind loads and forces specified by current code provisions.

Design Parameters and Assumptions Used: (please check or complete the appropriate box)

- Building Code Edition used (year): _____ WFCM ASCE 7-16 ICC 600 AISI s230
- Building Design is (check one): Enclosed Partially Enclosed Open Building
- Mean Roof Height: _____ Ft. Roof Angle: _____ Degrees
- Wind Speed Used in Design: _____ MPH (**ULTIMATE DESIGN SPEED**)
- Wind Exposure Classification (Refer to Exposure Tables in ASCE7-16): _____
- Wind Velocity Pressure: _____ PSF Components and Cladding: _____ PSF
- Wind Velocity Pressure on Exterior Faces of Structure: Minimum: _____ PSF ~and~ Peak: _____ PSF
- Design Loads: Floor: _____ PSF Roof/Dead: _____ PSF Roof/Live: _____ PSF
- Were Shear Walls Considered for Structure? (Check one) Yes No (If No, attach explanation)
- Is a Continuous Load Path Provided? (Check one) Yes No (If No, attach explanation)
- Are Component and Cladding Details Provided? (Check one) Yes No (If No, attach explanation)

***THIS BUILDING IS LOCATED IN A WIND BORNE DEBRIS REGION**

(per IRC Section R301.2.1.2) OPENING PROTECTION IS REQUIRED. SECTION S8 OF THE COASTAL CONSTRUCTION SUPPLEMENT DOES NOT PERMIT WOOD STRUCTURAL PANELS FOR OPENING PROTECTION.

(CHECK ALL THAT APPLY)

- GLAZED OPENINGS WITHIN 30' OF GRADE WILL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996.
- GLAZED OPENINGS LOCATED MORE THAN 30' AND LESS THAN 60' ABOVE GRADE WILL MEET THE REQUIREMENTS OF THE SMALL MISSILE TEST OF ASTM E 1996.

METHOD OF OPENING PROTECTION PROPOSED _____

Design Professional Certification:

As witnessed by my seal, I hereby certify that the information included with this certification is true and correct, to the best of my knowledge and belief.

Name _____ Certification No. _____

Design Firm _____ Date _____

PLACE SEAL HERE

