



By Structural Integrity Associates, Inc.

Wind Certification

TRU COMPLIANCE WIND CERTIFICATION

At **TRU Compliance**, we make it painless to show that your product meets the wind loading certification requirements of codes and standards, such as the International Building Code (IBC), ASCE Standard 7 Minimum Design Loads for Buildings and Other Structures (ASCE 7), or others, such as those in Miami-Dade County, FL which go above and beyond the typical IBC compliance requirements.



Wind loading certification, also referred to as wind compliance, is a product approval for equipment/components for buildings. To earn certification, components are evaluated on their ability to withstand the effects of extreme wind and windborne debris loads through physical testing and structural analysis.

The goals of wind certification are to ensure that:

- Equipment for buildings remains in place (anchorage stays intact).
- Pieces or portions of equipment do not detach and threaten life-safety or other pieces of equipment.
- Essential facilities (hospitals, police/fire stations, emergency shelters, military installations, data centers, nuclear facilities, etc.) can continue to function and provide critical services following a design wind event.

Miami-Dade County requires equipment manufacturers to obtain a Notice of Approval (NOA) for their products. This process is generally more rigorous than IBC certification. It involves performing several specific pressure and impact tests on the products along with design calculations for the anchorage of the unit. TRU Compliance

can **integrate obtaining a Miami-Dade NOA with an IBC wind compliance program; resulting in a cost-effective nationwide wind certification for your product.**



18,000 lb AHU Blown off Roof, Hurricane Katrina, Mississippi (FEMA 2005)

WIND SERVICES

- Product Development Support
- Pretest Fitness Analysis
- Finite Element Analysis
- Code Calculations
- Wind Testing
- Anchorage
- Submittal Preparation

WIND CODES/STANDARDS

- International Building Code
- ASCE/SEI 7
- Florida Building Code
- Miami-Dade County NOA
- ASHRAE 171

WIND TEST STANDARDS

- ASTM E1886
- ASTM E1996
- TAS 201
- TAS 202
- TAS 203

COMPONENT TYPES

- Electrical & Mechanical Equipment
- Architectural Components
- Windows
- Doors
- Cladding
- Isolator Restraints

Contact us for a **FREE** quote or **an evaluation of certification needs**

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