

Windstorm Solutions

ASSA ABLOY

First Quarter | 2009

The global leader in door opening solutions



Windstorm Solutions from ASSA ABLOY is a quarterly e-newsletter to inform you about hurricane and tornado resistant door opening solutions from ASSA ABLOY Group brands. This quick information *gust* contains product approvals, case studies, code updates and much more.

CASE STUDY

Diagnosis: Windstorm code-itis

Cure: ASSA ABLOY ANSI A250.13-certified products

Like any typical healthcare center, Dr. P. Phillips Hospital (formerly Orlando Regional Sand Lake Hospital) requires a wide variety of door solutions to address the distinct security needs for maternity wards, patient rooms, psychiatric wards, business offices, surgical suites, storage rooms and other intricate applications. This particular facility also has one additional consideration that adds to its doorway complexities: geography. Because of its location in Orlando, Florida, the healthcare provider must also comply with the state's windstorm codes. For this and all of its doorway needs, Dr. P. Phillips Hospital turned to ASSA ABLOY Door Security Solutions.

A new 330,000 sq. ft. addition completed in late 2008 follows windstorm codes that emphasize protection of the building envelope by requiring components—including doors and hardware—that have passed a rigorous set of testing requirements.

The hospital complied with these codes by building door assemblies using components tested to ANSI A250.13 standards. ANSI A250.13 allows end-users to construct a code-compliant opening by selecting individual products tested to this standard. So rather than choosing from a limited number of assemblies that offer no variation in product choice and potentially functionality, the end-user can build an opening from a larger selection of approved products.

Project planners for Dr. P. Phillips Hospital determined the security and life-safety features required for each opening and were then able to select door and hardware components that would best fill these needs. After careful consideration, the hospital decided on openings comprised of YALE 7150 exit devices, CECO DOOR hollow metal doors and McKINNEY hinges.

Thanks to the freedom of choice offered by ANSI A250.13 testing standards and ASSA ABLOY's selection of products, Dr. P. Phillips Hospital was able to build windstorm certified openings that are tailored exactly to their needs.

FAQs

- Q:** What does the Florida law and Florida Building Commission rule on product approval accomplish?
- A:** Accountability; a higher standard of practice for product evaluations; and uniformity and consistency of enforcement statewide. Evaluations of products covered by the Commission's rule can only be conducted by nationally accredited and state approved entities or by state licensed engineers and architects. These entities must meet national standards for independence from the manufacturers whose products they evaluate. Manufacturers of covered products must also maintain third party monitored quality assurance programs to verify continued compliance of approved products. In return, building departments must accept Florida Building Commission approved products evaluated by approved entities or Florida PEs and RAs without requiring further testing, evaluation or documentation. Building officials can appeal the required acceptance to the Commission, but must accept the evaluation until the Commission rules on the appeal.



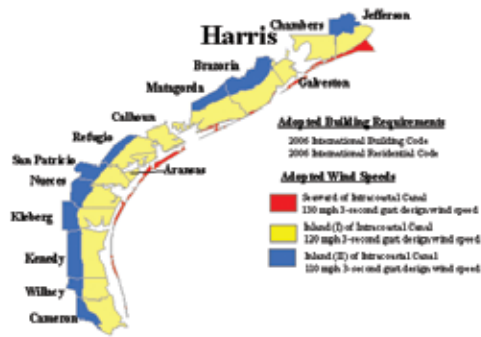
ANSI A250.13 allows construction of code-compliant openings by selecting individual products tested to this standard.

CLARIFYING CODE

Don't Mess With Texas

Texas has its own Hurricane building code as regulated by the Texas Department of Insurance (TDI). This requires the coastal area of Texas to use approved hurricane resistant assembly openings listed on its website (www.tdi.state.tx.us/wind/prod/drhgstim.html).

Right: Designated Catastrophe Areas in Texas First Tier Coastal Counties & certain areas located in Harris County, East of Highway 146



CLARIFYING CODE

Look for the Label

Using third party certifications and labels makes the market feel secure about the integrity of the testing and compliance with code standards. ASSA ABLOY Group brands use third party certification and labels for its hurricane and tornado resistant product. Know that the windstorm door opening to your building is secure when using ASSA ABLOY door opening solutions.

PRODUCT SPOTLIGHTS

Costal Texas take note. Below are the hurricane resistant assemblies offered by ASSA ABLOY Door Security Solutions. These assemblies have been approved by the Texas Department of Insurance and are the only commercial building assemblies that meet these requirements today.

TEXAS DEPT. OF INSURANCE HURRICANE ASSEMBLIES

DOOR MODEL	DESIGN PRESSURE	MAX. SINGLE	MAX. PAIR	LATCHING HARDWARE			TDI Evaluation #
				SINGLES	PAIR X HARDWARE MULLION	PAIR	
CURRIES 707	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	SARGENT MD 8610 X MD 8610	DR-292
				YALE 7150	YALE 7150 X M100 MULL.	YALE 7170 X 7170	
CURRIES 747	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	YALE 7170 X 7170	DR-293
DOMINION WindMAXX	± 50	N/A	6' X 7'	N/A	N/A	YALE 8800 X YALE 988	DR-296
	± 50	4' X 7'	N/A	YALE 8800	N/A	N/A	DR-297
CECO DOOR 707	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	SARGENT MD 8610 X MD 8610	DR-294
				YALE 7150	YALE 7150 X M100 MULL.	YALE 7170 X 7170	
CECO DOOR 747	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	YALE 7170 X 7170	DR-295
BARON 707	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	SARGENT MD 8610 X MD 8610	DR-324
				YALE 7150	YALE 7150 X M100 MULL.	YALE 7170 X 7170	
BARON 747	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	YALE 7170 X 7170	DR-325
FLEMING 707	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	SARGENT MD 8610 X MD 8610	DR-326
				YALE 7150	YALE 7150 X M100 MULL.	YALE 7170 X 7170	
FLEMING 747	± 70	4' x 8'	8' x 8'	SARGENT HC8800	SARGENT HC8800 x HC980 MULL.	YALE 7170 X 7170	DR-327

LISTING/CERTIFYING AGENCY KEY

FL = Florida Building Approval
www.floridabuilding.org

ITS = Intertek
www.intertek-etlsemko.com

NOA = Notice of Acceptance
www.miamidade.gov/buildingcode

TDI = Texas Department of Insurance
www.tdi.state.tx.us/wind/prod/drhgstim.html

UL = Underwriters Laboratories
www.ul.com

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- ADAMS RITE
- BARON
- BESAM
- CECO DOOR
- CORBIN RUSSWIN
- CURRIES
- DOMINION
- FLEMING
- GRAHAM
- HES
- MAIMAN
- MARKAR
- McKINNEY
- NORTON
- PEMKO
- RIXSON
- ROCKWOOD
- SARGENT
- SECURITRON
- VINGCARD
- YALE