



Dura-Storm™

Impact Hurricane Series



MIAMI-DADE COUNTY APPROVED
HURRICANE IMPACT DOORS

STANLEY®

Access Technologies

WHEN HURRICANES COME KNOCKING

In 1992 Hurricane Andrew forced the building industry to take stock of how ill-prepared they were against the impact of hurricanes and to do something about it. Building officials in Miami-Dade County, Florida, then took strong measures to update inadequate building codes so that any new or renovated building could truly stand up against the wind pressures and flying debris that these storms unleash. In particular, one part of those new building codes addresses how exterior automatic doors need to hold up against maximum wind resistance.

Since those days, Stanley has also acted to develop a broad range of systems and solutions that meet the strict requirements of Miami-Dade County. Retail, grocery, home-improvement, high-rise, health care, and institutional establishments can all breathe easier, assured that they've met the codes that will protect them. Stanley's Dura-Storm™ sliding automatic door systems meet or exceed all of Miami-Dade, and State of Florida impact and pressure requirements as well as the NFPA (National Fire Protection Agency) building egress requirements. Stanley also boasts the highest automatic door pressure ratings in the industry – up to ± 80 PSF – with full break out capability and panic bar release. So now, when hurricanes come knocking...

YOU DON'T HAVE TO LET THEM IN.

± 80 PSF

TOTAL COVERAGE. POWERFUL SOLUTIONS.



GROCERY & RETAIL

Grocery and retail merchants that lie in the path of nature's fiercest winds not only need protection from the storm, but even before the storm, they may have some of the highest entry and exit store traffic. Nearby residents commonly stock up on emergency items like batteries, flashlights, milk – just in case the storm takes a more direct route. Some stores may even need to remain open during the storm. Under severe weather conditions such as these, and with heavy traffic flow in and out – trust Stanley's complete solution: The ByPass™ Door System with impact glass can withstand brutal ± 70 PSF pressures. This system creates two openings that separate entry from exit traffic, eliminating the risk of kart collision and back-ups.



HEALTH CARE

Hospitals and other health care facilities pose a problem in the tropical storm- and hurricane-prone southeast: they typically function as hurricane shelters and are not usually evacuated in a major storm event. Also, because hospitals do not evacuate during hurricane warnings, the need to quickly vacate for internal emergencies (fire, bio-hazard, etc) requires fast exits even under lockdown mode. Florida State's AHCA (Agency for Health Care and Administration) now requires single-release action egress – panic hardware – for all new health care construction projects. For this unique combination: the ability to withstand extreme air pressures *and* still be able to get out quickly, Stanley offers two Dura-Storm™ solutions, one of which boasts up to ± 80 PSF of wind pressure resistance – the highest Miami-Dade approved pressure rating in the country.



BUILDING SUPPLY / HOME IMPROVEMENT

Building suppliers and home improvement centers with large store entrances have an exceptional need for heavy-duty automatic doors – doors that can hold up under the abuse of not only hurricane-force winds, but the more persistent abuse of reckless lumber carts and heavy materials. DuraStorm doors offer rugged welded panels, threaded tie rod construction and a center located glass laminate that resists scratching. Owners who have large clear door openings that allow adequate space for material movement, reduce the risk of potential damage to doors and entrance hardware. Stanley offers the largest door systems in the industry that still meet the stringent requirements of Miami-Dade County and the State of Florida building codes.



COMMERCIAL / RESIDENTIAL HIGH RISE

America's southeastern coastlines are also lined with high-rise hotels and condominiums. These buildings stand vulnerable to hurricane-force winds unless current codes are expertly applied. As with hospitals and health care buildings, the taller the building, the higher the wind pressure rating that is required. Thus, high rise buildings command the highest wind pressures of all. As a result, occupants of these buildings often had to forgo the benefits of door automation. Only Stanley offers automatic sliding doors that provide design pressures up to ± 80 PSF and still open a beautiful common entry.

Dura-Storm™
Impact Hurricane Series

BUILT TO HANDLE THE PRESSURE.



**Wind Resistant
Damper**

**Flush Bolt Security
& Armored Strike**



**Top/Bottom
Panel Ball Detents**

**Reinforced Top/
Bottom Pivots**



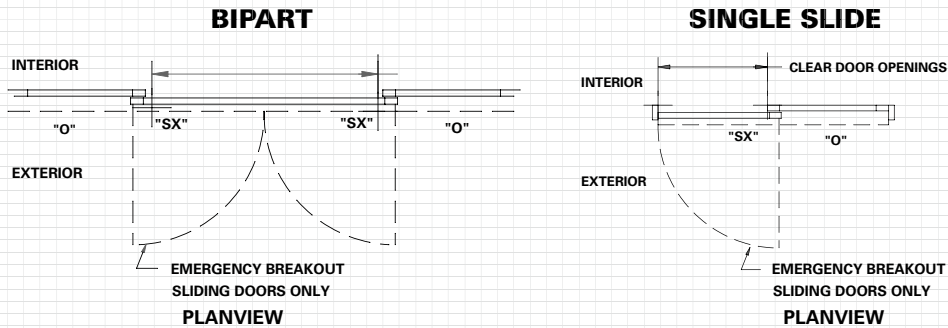
**Lock-Unlock
Indicators**



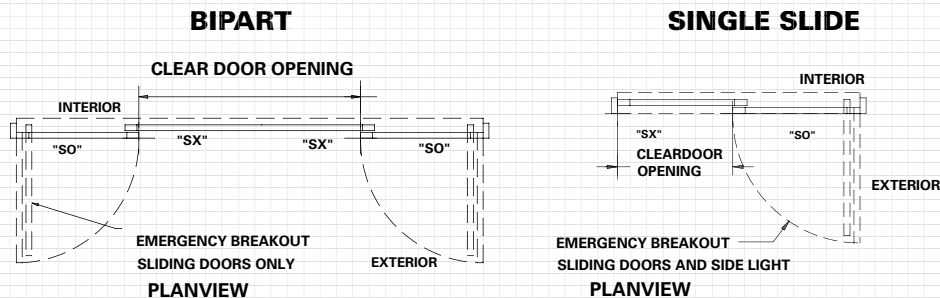
**Flush Bolt
Security &
Armored Strike**

- **Pressure ratings up to 80 pounds per square foot**
- **Wind resistance up to 150 miles per hour**
- **Full breakout for emergency egress**
- **Panic bar lockdown release available**
- **Single-slide, bipart, or ByPass™ operation for any traffic volume and flow requirements**
- **No need for shutters**
- **Wind resistant dampers that reduce the risk of injury and repair due to wind-forced doors**
- **Restricted air infiltration**
- **9/16" impact glass in a full range of tints and colors: resists scratches, marks, nicks and abrasions**
- **Florida and Miami-Dade County approved**

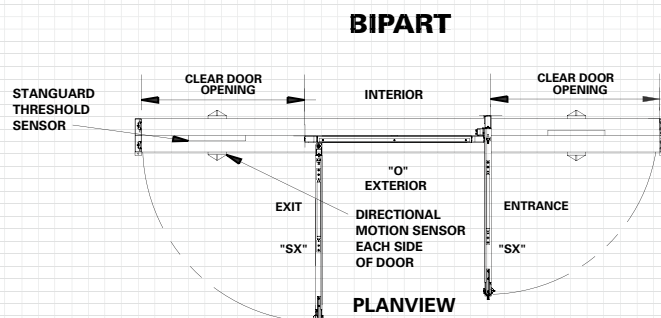
2000 Series SCHEMATIC



3000 Series SCHEMATIC



ByPass™ SCHEMATIC



The choice is blue-sky clear. For the broadest array of automatic sliding door systems rugged enough to face down the toughest winds, go with Stanley.

| Component | Specification |
|--------------------|---|
| Header size | 8" (203 mm) high X 6" (152 mm) deep / ByPass™: 8" (203 mm) high X 12" (304 mm) deep |
| Drive system | One or two 1/4 HP DC motor(s) on one continuous drive belt |
| Controller | Microprocessor-based, safety logic, MC521-closed-loop control, built-in software watchdog |
| Motion sensors | Two Stanley SU-100 motion sensors, switchable from uni-directional to bi-directional. Optional: Stan-Vision™ digital video camera |
| Safety sensors | One StanGuard® presence sensor and doorway holding beams. Optional: Stan-Vision™ digital video camera |
| Optional equipment | Mats, wall plates, radio controls, wind dampers, battery backup, heavy-duty drive system |
| Breakout | 2000 Series: SX panels, 3000 Series: SX and SO panels / ByPass™: SX on entrance (when fully closed; SX on panels on the exit) |
| Power | 2000 Series: 3000 Series: 120 VAC, 5 amps maximum / ByPass™: 10 amps maximum |
| Temperature range | -30 to +130°F |
| Code compliance | ANSI A156.10, NFPA 101, UL, cUL, IBC, ICBO, BOCA, South Florida Building Code, Miami-Dade Product Control |

Door systems are custom-manufactured to fit your job requirements.

| | | | | Typical Maximum Dimensions W x H | |
|--|--|---|------------|--|--|
| Dura-Storm . . . | Benefits | Made for | PSF Rating | Single Slide Series 2000 | Bipart Series |
| Standard | Durability Low Cost of ownership No need for shutters | <i>Retail Department stores Condominiums Grocery Home improvement centers</i> | ±56 | 8' (2.44 m) wide x 7' 8" (2.34 m) high | 14' (4.27 m) wide x 7' 8" (2.34 m) high |
| Steel Reinforced <i>Series: 2000/3000</i> | Large clear door openings Reduce door damage Allows largest amount of material movement | <i>Home improvement centers Warehouses Automotive sales Garden centers</i> | ±50 | 9' (2.74 m) wide x 7' 8" (2.34 m) high | 16' (4.88 m) wide x 8' 8" (2.64 m) high |
| Steel Reinforced <i>Series: 2000</i> | Large clear door openings Reduces door damage Allows largest amount of material movement Largest height available in the industry | <i>Home improvement centers Warehouses Automotive sales Garden centers</i> | ±43.3 | | 14' 11.5" (4.56 m) wide x 10' 8" (3.25 m) high |
| ByPass™ | Allows entry and exit traffic flow from one door High pressure rating | <i>Retail Grocery Markets Office Buildings</i> | ±70 | | 14' (4.27 m) wide x 7' 8" (2.34 m) high |
| 3000 <i>with Panic Button Release</i> | Allows emergency egress | <i>Hospitals Health care centers Nursing Homes</i> | ±70 | | 14' (4.27 m) wide x 7' 8" (2.34 m) high |
| 3000 Steel Reinforced <i>with Panic Button Release</i> | Allows emergency egress release even under hurricane lockdown mode Highest wind pressure resistance in the industry | <i>High-rise buildings Hospitals Health care centers</i> | ±80 | | 14' (4.27 m) wide x 7' 8" (2.34 m) high |



Access Technologies

For more information, please contact your local Stanley Access Technologies sales office.

65 SCOTT SWAMP ROAD | FARMINGTON, CT 06032 | 1-800-7-ACCESS (722-2377) | WWW.STANLEYSECURITYSOLUTIONS.COM

