

## The StormPro™ System Helps Save Lives



### Tornado Resistant Door and Frame System

Ideal for the  
Community Shelter

The StormPro™ Tornado Resistant Door and Frame System from Ceco Door helps save lives because it's designed to withstand debris from tornado-force winds. The extra heavy duty StormPro System helps to fortify the opening to withstand extreme wind speeds and flying debris. StormPro doors and frame assemblies meet certification for both fire and FEMA guidelines.

#### Applications

Community Shelters, Safe Rooms, Corporate Campuses, Schools, Healthcare Facilities, and Government Facilities

#### Features

- Meets 361 & 320 FEMA guidelines up to 80 x 80 pairs
- Most assemblies are UL Certified with 3 hour fire rating
- Shutter options with four sided frames available

To learn more about the StormPro Tornado Resistant Door and Frame System please call 888-232-6366 or visit [www.cecodoor.com](http://www.cecodoor.com).



Sustained winds of 70-mph and higher are generally associated with tornados, and building owners in tornado-prone areas must take proper precautions to protect occupants

Damage can be caused by flying debris (referred to as windborne missiles). If wind speeds are high enough, missiles can be thrown at a building with enough force to penetrate windows, walls or the roof. An object such as a 2" x 4" wood stud weighing 15 pounds,

when carried by a 250-mph wind, can have a horizontal speed of 100-mph and impact with enough force to penetrate most common building materials used today.

Ceco developed StormPro products to resist missile penetration on buildings designed as shelters to protect occupants from injury. Today, StormPro assemblies are available in either an in swing or out swing design, in single or paired door openings.

### ASSA ABLOY Approved StormPro™ Assemblies Meet Certification for Both Fire and FEMA Guidelines

Locking Hardware Series Description	Configuration	Mullion/Astragal	FEMA Designation	FEMA Size	Maximum Fire Rating UL10-C	Door Core	Minimum Door-Frame Gage	Standard Undercut	Min. U/C	Frame Depth Min.-Max.
Corbin Russwin FE6800 or Sargent FM7100 or Yale 7380F Multi-Point Locks*	Single In swing Out swing	N/A	320 & 361	40 X 80 <sub>max</sub>	30 X 70 40 X 80	Polyurethane Honeycomb	14 -14	5 / 8	1 / 4	5-3/4 -14
Corbin Russwin FE6800 or Sargent FM7100 or Yale 7380F Multi-Point Locks* w/Sargent 988 S. Bolts	Pair In swing Out swing	Flat Plate Astragal	320 & 361	80 x 80 <sub>max</sub>	60 X 70 80 X 80	Polyurethane Honeycomb	14 -14	5 / 8	1 / 4	5-3/4 -14
Corbin Russwin FE6800 or Sargent FM7100 or Yale 7380F Multi-Point Locks*	Shutters In swing Out swing	N/A	320 & 361	40 X 80 <sub>max</sub> 26 X 56 <sub>min</sub>	30 X 70 40 X 80	Polyurethane Honeycomb	14 -14	5 / 8	1 / 4	5-3/4 -14
Sargent FM8700 Multi-Point Exit Device*	Pair Out swing	Sargent HC980	361	60 X 70 <sub>max</sub>	60 X 70 (Hyc.Only)	Polystyrene Honeycomb	16 -14	5 / 8	1 / 4	5-3/4 -14
Sargent FM8700 Multi-Point Exit Device*	Single Out swing	N/A	361	30 X 70 <sub>max</sub>	30 X 70 (Hyc.Only)	Polystyrene Honeycomb	16 -14	5 / 8	1 / 4	5-3/4 -14
(3) Medeco Maxum Deadbolts x Sargent 10 Line	Single In swing Out swing	N/A	320	30 X 70 <sub>max</sub>	30 X 70	Steel Stiffened	14 -14	5 / 8	1 / 4	5-3/4 -14

\* UL Certified to FEMA Guidelines

### Important Notes and Options

- Frame head face: 2" standard, optional 4"
- Anchors: masonry & existing opening
- Material: galv. - crs
- Available with the preassembled ReadySet® System
- Lock hardware: electronic trims available with ElectroLynx® Connectors (Reference hardware templates for details)
- Hinges: McKinney StormPro 4 1/2" HW steel hinges minimum, McKinney steel continuous hinge optional
- Undercut: determined by door condition (reference hardware template for details)

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### Test Procedures

- FEMA 361, Design and Construction Guidance for Community Shelters. Federal Emergency Management Agency. First Edition, July 2000.
- Association Standard for the Design, Construction and Performance of Storm Shelters. National Storm Shelter Association (NSSA), April 2001.
- ASTM E 330-97, Standard Test Method for Structural Performance of Exterior Windows. Curtain Walls and Doors by Uniform Static Air Pressure Difference.
- FEMA 320, October 1998, "Taking Shelter from the Storm", March 2004.



Hardwiring Made Easy®



ASSA ABLOY, the global leader  
in door opening solutions