Exit Devices & Door Locks
For Severe Windstorm &
Hurricane Doors

Designed To Surpass The Most
Stringent Testing Criteria And
Protect Life & Property Under
Extreme Conditions

Over 20 years of experience in multiple-point locking
and code-compliant security hardware
Securitech is the first door hardware manufacturer to have products surpass both FEMA 320 & 361 guidelines to protect the public from extreme windload and flying debris conditions that result from Tornados and other powerful windstorms. We also have products that surpass high velocity hurricane, large missile impact tests, as well.

Draw upon our experience for assistance with door hardware applications and solutions for Tornado & Extreme Wind Load specifications on community (FEMA 361) or residential (FEMA 320) shelter projects or buildings that require extra protection in hurricane areas.

Teaming with industry-leading door manufacturers, Securitech’s comprehensive assortment of exit devices, multi-point mortise locks and auxiliary locks offers the widest range of solutions.

FEMA Hazard Mitigation Program

Many communities in geographic areas subject to experience severe windstorms have renovated area[s] in public buildings to serve as a community shelter or saferoom. Under the Hazard Mitigation Program, federal funds are made available for the purpose of significantly reducing risks to lives and property from natural disasters such as tornadoes and hurricanes.

Detailed information on this program can be found in FEMA HMGP Desk Reference (Publication 345 is available by calling 800.480.2520) or by calling your State Hazard Mitigation Officer.

Grants can fund up to 75% of eligible project costs.
Originally designed to prevent forced entry and meet safety code requirements, Securitech’s multiple-point locking designs were ideally suited to meet FEMA 361 & 320 windstorm requirements as well as Dade County Florida hurricane standards.

The doors and hardware are tested together as a single assembly: Securitech products only meet the standards listed above when provided with a tested door. Documentation is available from the door manufacturers showing the results of their windload and missile impact testing with Securitech locksets.

As a recognized leader in the field of multiple-point locking, Securitech remains responsive to requests for new features and options. Contact us if we need to create a custom element to meet your specific needs.
Securitech’s multi-point automatic deadbolt locks and exit devices project spun stainless steel deadbolts into the frame each time the door closes.

- UL listed for safety and use on fire rated doors, (up to 4' x 8' single or pairs).
- Surpasses both FEMA 320 (residential shelters) and FEMA 361 (community shelters) testing requirements.
- Interior lever or panic bar always allows free egress.
- Available in 3 exterior lever functions: Passage, Classroom or Storeroom. Electric release also available. GG or UG styles.
- Exterior Lever handle has slip clutch break-away feature for maximum vandal resistance.
- Miami, Dade NOA #03-0206.15 exp 6/2008

**Interior Options**
- Lever Trim: For non-panic device doors.
- Crossbar: Traditional rod device.
- ToughBar: Aesthetic design, rugged performance.

**Exterior Functions**
- **Classroom**
  - Rotating the key clockwise unlocks the lever until the key is reinserted and rotated counter-clockwise (Recommended for shelters).
- **Storeroom**
  - Rotating the key unlocks the lever momentarily. Removing the key relocks the lever.
- **Passage**
  - Free entry at all times.

**Vertical Deadbolts Options**

**Internal (IHD)**
- Vertical deadbolts travel within the door and are reinforced by Stainless Steel bolt guides and edge plates.

**Surface Bolts (SBD)**
- Vertical deadbolts travel on the interior face of the door. Mounting brackets, attractive bracket covers and thru-bolt plates are used.

**Surface Housing (SHD)**
- In addition to surface bolts, the lock body is surface applied to the face of the door in a custom housing. For use on doors without mortise openings and pairs of doors without a mullion.

**Check Usage By Test Results And Applications**

**Vertical Control**
Recommended for high-traffic doors. Vertical Control (VC option) allows the Auto-Bolt to operate as a single point locking during non-emergency, situations and become a multi-point lock during an emergency or after hours. (ToughBar model disengages bottom bolt only).

**Convert From Single Point To Multi-Point Without Opening The Door**

**New “ToughBar”**

**UG Style**
- #U1

**GG Style**
- #G1

**Multi-Point locking fastens the door to the frame like a bank vault lock**

**Threaded rods on internal models are easily sized in the field.**

**SBD requires exact measurements when ordering**
8000 Auto Bolt Model Builder and Pricer

15 Easy Steps To Build A Model!

Sample Model Number:
84T45-G1-SBDVC-LHR-630

1 Series & # Of Locking Points
- **8V**: Vertical bolts only (top/bottom)
- **83**: Main, top, bottom bolts
- **84**: Main, top, bottom & fixed bolts

2 Interior Operator
- **C**: Crossbar
- **T**: Touchbar
- **L**: Lever

3 Exterior Trim & Function
- **11**: Exit Only-no Trim
- **41**: Passage Exterior Lever Trim (non-locking)
- **43**: Privacy Function
- **44**: Storeroom Function Lever Trim
- **45**: Classroom Function Lever Trim
- **4D**: Storeroom w/ DC Elec. Release
- **4A**: Storeroom w/ AC Elec. Release
- **4C**: Classroom w/ DC Elec. Release
- **4F**: Classroom w/ AC Elec. Release

4 Trim Style
- **G**: GG Style
- **U**: UG Style

5 Lever Design Options
- **1**: Standard Lever With Return
- **2**: Tapered, No Return
- **3**: Tubular With Return
- **4**: Tapered, Rounded Return

6 Vertical Deadbolt Method
- **IHD**: Concealed Rods HD
- **SBD**: Surface Bolts HD (old SBO-HD)
- **SHD**: Surface Housing HD (old SH-HD)
- **XBD**: Surface Bolts (Locked side) HD

Special applications: Channels on locked side

7 Vertical Bolt Options
- **VC**: Vertical Control
- **TT**: Top Trigger (for 8V surface models only)

8 Fire-Rating
- **F**: Fire-Rated 3 Hour "A" Label, Doors up to 4'x8'

9 Special Functions
- none offered on Windstorm models

10 Electronic Options
- **LL**: Long Leads
- **BPS**: Bolt Position Switch
- **CX**: Request-To-Exit on interior lever or panic bar

11 Door Size Options
- **OH**: Oversize Door Charge-Height (from 84-1/2" to 96")
- **OW**: Oversize Door Charge-Width (from 36-1/2" to 48")

12 Special Security Options
- **RC**: Removable Core Cylinder Protector (UG Only)
- **Customization**: Required for ordering, not pricing
- **Contact factory if specific door manufacturer is to be used**

13 Handing
- **LH, LHR, RH or RHR**: Required for ordering, not pricing

14 Finish
- **630**: Stainless Steel finish
- **676**: Black powder coat, UG lever models

1-Cylinder(s) and cylinder collars are by others. Consult catalog for length and cam types required
2-Coordinate power transfer with electrified trim options and power supply
Securitech’s multi-point mortise locks project spun stainless steel deadbolts into the frame by key or turnpiece operation.

- ADA Compliant lever trim
- Surpasses both FEMA 320 (residential shelters) and FEMA 361 (community shelters) testing requirements.
- Tested for up to 4’x8’ single door.
- Available in entrance or other special functions upon request.
- 52V models (vertical deadbolts only) for use on inactive leaf of pairs.
- Deadbolt-only models also available for shutters
- Internal vertical rod models only.
- Interior lever always allows free egress. Springs in trim prevent sagging.
- Exterior Lever handle has slip clutch break-away feature for maximum vandal resistance.
- Available in four lever designs and many architectural finishes.

<table>
<thead>
<tr>
<th>Lever Design</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>F13</td>
<td>Entrance</td>
</tr>
<tr>
<td>F18</td>
<td>Deadbolts by key on one side, no operation on the other side.</td>
</tr>
<tr>
<td>F17L</td>
<td>Deadbolts by key outside and turnpiece inside.</td>
</tr>
<tr>
<td>F16</td>
<td>Deadbolts by key either side.</td>
</tr>
</tbody>
</table>

Optional Lever Designs

- Special lever designs are available on special order.
- Standard lever style is #11 (see photo above).

52V Models Are Vertical Deadbolts Only (Keyed Flushbolt For Inactive Leaf).

Stainless Steel Vertical Bolt Guide & Edge Plate For Added Resistance

Hinge Side Stationary Bolt
AUTO-BOLT & MULTI-POINT MORTISE LOCKS

Hinge side bolts are not connected to the lock mechanism. The door swings away from the frame. The bolt does not have to retract as it is moved out of the frame by the door movement.
## Multi-Point Mortise Lock Model Builder

### WINDSTORM MULTI-POINT MORTISE LOCKS

**Model Number Creation**

Sample Model Number: **5311-F13-IHD-LH-626**

*All shaded positions are required.*

<table>
<thead>
<tr>
<th>Position</th>
<th>Category</th>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Series</td>
<td></td>
<td>5 Multi-Point Mortise Lock</td>
</tr>
<tr>
<td>2</td>
<td>Deadbolts</td>
<td></td>
<td>4 3 moving bolts and fixed hinge-side bolt</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 3 moving bolts</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2V 2 moving bolts (vertical only)</td>
</tr>
<tr>
<td>3</td>
<td>Trim Style</td>
<td></td>
<td>11 Standard lever with return</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12 Tapered</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>13 Tubular</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>14 Tapered with return</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>XX No trim (for use 52V models)</td>
</tr>
<tr>
<td>4</td>
<td>Function</td>
<td></td>
<td>F13 Entrance</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>F16 Deadbolts Only: Key Both Sides</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>F17L Deadbolts Only: Keyed Exterior, Turnpiece Interior</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>F18 Deadbolts Only: Key One Side, Blank other</td>
</tr>
<tr>
<td>5</td>
<td>Fire-Rated</td>
<td></td>
<td>F Fire-Rated (Scheduled For 3rd Qtr 2004)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(blank) Non-fire rated</td>
</tr>
<tr>
<td>6</td>
<td>Windstorm Series</td>
<td></td>
<td>IHD Internal Deadbolts With Channel &amp; Edge Plate</td>
</tr>
<tr>
<td>7</td>
<td>Handing</td>
<td></td>
<td>LH Left Hand (hinge location from exterior)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LHR Left Hand Reverse (hinge location from exterior)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RH Right Hand (hinge location from exterior)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RHR Right Hand Reverse (hinge location from exterior)</td>
</tr>
<tr>
<td>8</td>
<td>Finish</td>
<td></td>
<td>626 Satin Chrome; Standard finish</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Contact factory for other finishes</td>
</tr>
</tbody>
</table>

**Notes:**
- Specify 1-1/8" to 1-1/4" mortise cylinder by others—see main catalog for cam information for cylinders.
- Fill out ordering Dimensional Information Page and include with order to factory. Specify door manufacturer to be used on order.
- Do not test doors and hardware as separate units. Consult factory for list of door manufacturers who have tested with our door hardware. Not all door manufacturers have tested for all the models listed above.
- Specify if door is other than 1-3/4" thickness.
- Door and frame to be fabricated according to Securitech templates for door and grout boxes and strike on frame.
Suggested Specifications for Windstorm Applications:

**Hardware: (Preamble Sec 08710)**

All exit devices or locksets specified for windstorm doors shall be manufactured in the USA by Securitech Group, Inc. and shall be as tested with individual manufacturer's doors. No substitutions shall be permitted. Hardware distributor shall submit letter with hardware submittals stating the entire door assembly has surpassed FEMA 361, FEMA 320 or Miami-Dade County Large Missile Impact Test without shutters as required.

All exits and locksets shall lock the door with cast stainless steel primary deadbolts and spun stainless steel vertical deadbolts.

For all fire-rated openings, provide fire-rated door hardware, regardless of model numbers in hardware sets. Locked levers shall remain in the rigid position unless released by key or electric release and shall contain a vandal-resistant slip-clutch feature allowing the lever to be forced downward without breaking and shall be reset to the normal position without use of any tools.

**Hollow Metal Fabrication: (Preamble Sec 08100)**

Installation and Execution:

Special Note: All 4900, 8000, 5000, 4800 High Security Locking systems specified by Securitech require hollow metal grout boxes fabricated to the backside of frame in specific locations. Additional door reinforcement is also required. Fabricator shall furnish items and install per Securitech templates.

Securitech and our network of distributors and sales partners are glad to assist with specifications for the severe windstorm markets and other difficult doors.

Please contact us for assistance; We are constantly developing new products to meet emerging security and life-safety needs.

Full line catalog available: contact Securitech at 800.622.5625 or info@securitech.com

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**Helpful Web Sites**

- www.fema.gov
- www.buildingcodeonline.com
- www.wind.ttu.edu
- www.nssa.cc
- and of course...
- www.securitech.com
- (special windstorm section)