

Attack Resistant Door Opening



ASSA ABLOY and School Guard Glass partnering to increase security options.

Ceco Door is pleased to partner with School Guard Glass™ to offer an Attack Resistant Door Opening designed to delay access from intrusion.

Using standard Ceco doors and frames equipped with School Guard Glass™ SG5™ attack resistant glazing and SARGENT hardware has been third party tested to withstand a brutal physical attack from an intruder for over 4 minutes. This extra time keeps occupants safe until first responders can neutralize the threat. The combination of Ceco Door and School Guard Glass provides easy and affordable retro-fitting to tighten the security of existing fire rated and non fire rated openings. Retrofit kits including glass and glazing are also available for non fire rated applications.

5-aa10 test standard sets requirements and testing methods to certify forced entry and ballistic systems. This test standard is intended for use by schools and other public or private facilities that use commercial grade wood and hollow metal entrance doors, framing, hardware, structures and systems as well as glass, fixed sidelight framing systems, and borrowed lights.

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Opening Size:

- 2'8" x 6'8" - 4'0" x 8'0" single openings
- **Sidelight:** Visible 12"-47" x 12"-92.75"
- **Borrowed Light (horizontal):** Visible 12"-95" x 12"-47"
- **Borrowed Light (vertical):** Visible 12"-47" x 12"-95"

Requests for sizes or designs beyond the above would require approval.

Door Types:

- Regent, Legion, and Imperial polystyrene, polyurethane and honeycomb core with 16 gauge face sheets
- In-swing and out-swing available

Frame Types:

- SU, SQ and BU, BQ series 16 gauge (14 gauge optional)
- 3 Piece knocked down or welded
- Welded sidelights and borrowed lights

Glass and Glazing:

- Optional 20, 45, 60 and 90 minute WH fire ratings with fire rated School Guard Glass™ SG5™
- Narrow light and half glass sizes
- Type 2, 10, and 8 (fire rated) glass kits
- Door glass is factory installed Sidelight and Borrowed light glass is provided to be field installed by others

Hardware:

Lock Options:

- SARGENT 8200 Series mortise lock with latchbolt, deadbolt and LS (Security) escutcheon and lever trim
- Corbin Russwin ML2000 Series mortise lock with latchbolt deadbolt, VR (Vandal Resistant) escutcheon and lever trim
- Yale SL8800 Series mortise lock with latchbolt, deadbolt, SL (Security) escutcheon and lever trim

Hinge Options:

- 3 or 4 each 4-1/2" x 4-1/2" standard weight hinges
- Pemko steel continuous hinge

Test Methods and Standards:

- 5-aa10 - Certification Standards for Reinforcing and Testing of Standard Hollow Metal Doors, Frames, Glass and Hardware – 30 shots (7.62 mm) fired at glass and 30 shots fired at door hardware, 30 shots fired at sidelight glass in a 6"x 6" area. Door then remained closed after 4 minutes of attack by single assailant using hand tools of various types as allowed in test.
- ASTM C1036 - Standard Specification-Flat Glass
- ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass
- ANSI Z97.1 Safety Materials Used in Buildings
- UL 972 Standard for Burglar Resistant Glazing Material