



EMBASSY SERIES FE/5

FORCED-ENTRY SECURITY DOOR ASSEMBLY

FE/5

U.S. STATE DEPT.

RC3

EN 1627

3 in.

DOOR LEAF

4 in.

FRAME DEPTH

PRODUCT DESCRIPTION

The Embassy Series FE/5 is a custom-fabricated, pre-hung security door and frame assembly designed for residential, commercial, safe-room, and controlled-access openings requiring tested resistance to forced entry. The assembly combines a reinforced steel leaf, protected multi-point locking, security hinges, gasketing, insulation, and an engineered frame.

PERFORMANCE CLASSIFICATION

Forced entry	FE/5 under U.S. Department of State SD-STD.01.01 Rev. G
European class	Resistance Class 3 (RC3) under EN 1627; IFT Rosenheim
Configurations	Inswing or outswing; interior or exterior applications
Ballistic options	Project-specific Level 3 handgun or Level 8 rifle-resistant construction

SYSTEM SCOPE

- Door leaf and steel frame supplied as a coordinated pre-hung assembly
- Multi-point locking system with protected high-security cylinder
- Adjustable ball-bearing security hinges and installation hardware
- Architectural face panels, glazing, thresholds, and access-control interfaces as specified



BASIS-OF-DESIGN NOTE

Final fabrication dimensions, anchorage, handing, glazing, hardware, and interfaces are governed by approved project shop drawings.

TECHNICAL SPECIFICATIONS

Standard Embassy Series FE/5 construction and dimensional data

PROPERTY	STANDARD / AVAILABLE CONFIGURATION
Door leaf	16-gauge galvanized steel construction; nominal 3.0 in. standard thickness
Frame	12-gauge galvanized steel; nominal 4.0 in. standard profile
Locking	Armored mechanical multi-point system with drill-resistant cylinder protection
Insulation	2 in. rock-wool layer for thermal and acoustic control
Gasketing	Dual cellular-rubber perimeter gasketing
Hinges	Welded, adjustable ball-bearing security hinges
Decorative faces	Nominal 1/2 in. engineered wood, marine plywood, or natural hardwood options
Maximum size	Up to 49 in. wide x 110 in. high; configuration dependent
Operation	Left-hand or right-hand; inswing or outswing; interior or exterior use
Thresholds	Flat, low-profile, sloped exterior sill, automatic door bottom, or no threshold where approved
Glazing	Optional security glazing in clear, frosted, or tinted configurations; subject to engineering
Finishes	RAL powder coat, paint-grade face, stain-grade face, raised panels, or applied mouldings

DIMENSIONAL REFERENCE

49 in.

MAXIMUM WIDTH

110 in.

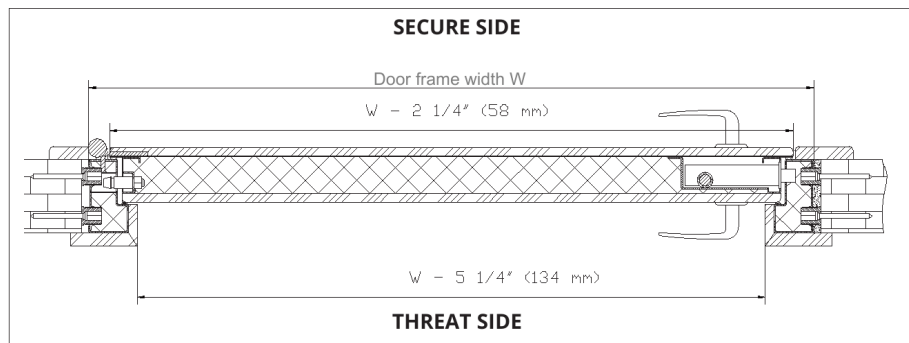
MAXIMUM HEIGHT

3.0 in.

LEAF THICKNESS

4.0 in.

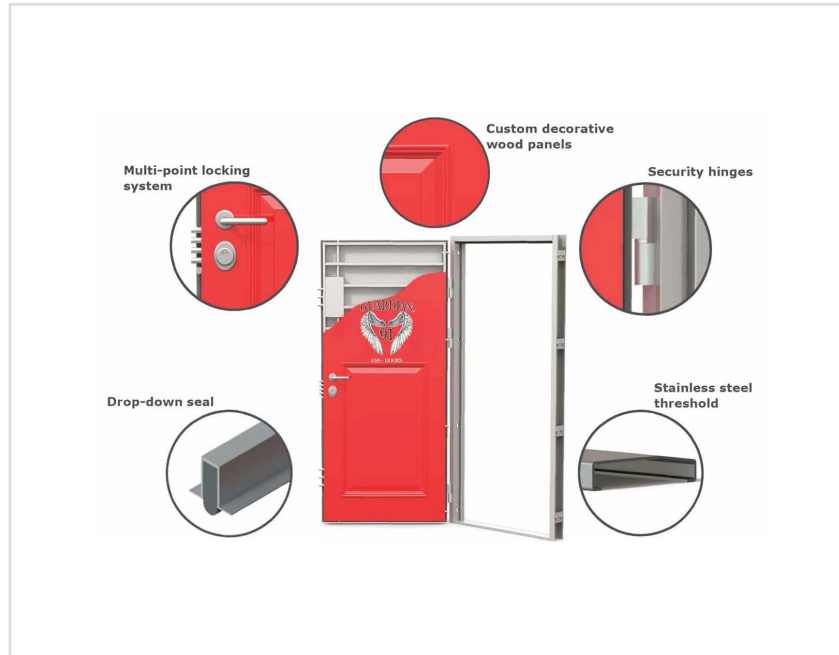
FRAME DEPTH



Reference section only. Project shop drawings control final dimensions and anchor conditions.

ASSEMBLY CONSTRUCTION

Integrated door, frame, locking, sealing, and finish components



STANDARD SECURITY COMPONENTS

MULTI-POINT LOCK

Single-point control secures the assembly around the perimeter.

CYLINDER PROTECTION

High-security cylinder with bump, pick, and drill-resistant protection.

SECURITY HINGES

Welded, adjustable ball-bearing hinges support smooth operation.

PRE-HUNG COORDINATION

Leaf, frame, hinges, cylinders, handles, and anchors are supplied as one system.

THERMAL / ACOUSTIC CONTROL

Rock-wool insulation and dual cellular-rubber gasketing.

STANDARD CONFIGURATION MATRIX

APPLICATION	AVAILABLE CONDITION
Interior	Flat or low-profile threshold, automatic door bottom, or no threshold where the approved configuration permits
Exterior	Sloped stainless-steel threshold; rain nose available for weather management
Architectural face	Paint-grade Tricoya, stain-grade marine plywood, natural hardwood, raised panel, or applied moulding
Security glazing	Clear, frosted, or tinted security glass; glass size and protection level subject to engineering
Hardware	Compatible lever hardware meeting spindle, mounting, and clearance requirements; door knobs are not offered

CONFIGURATION CONTROL

Security ratings apply to evaluated configurations. Changes to size, glazing, ballistic construction, lock type, access control, or hardware may require engineering review.

TESTING DOCUMENTATION

Forced-entry performance and evaluated assembly configurations

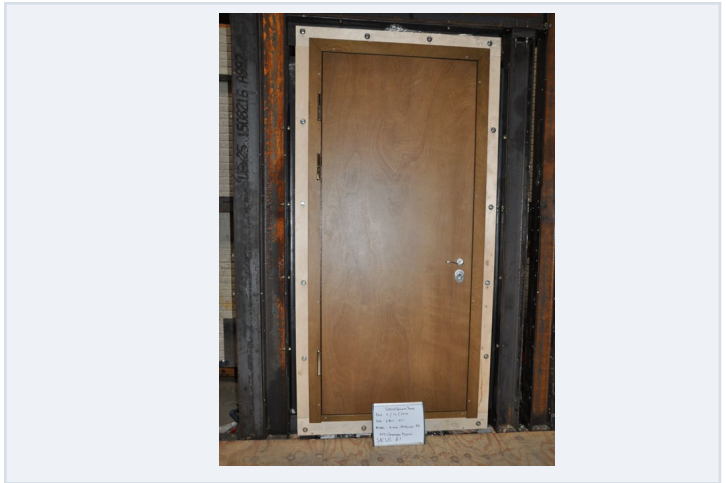
COMPLETE ASSEMBLY EVALUATION

The Embassy Series was evaluated as a complete door-and-frame assembly in both inswing and outswing configurations. The images below are source test photographs retained from the Embassy testing packet.

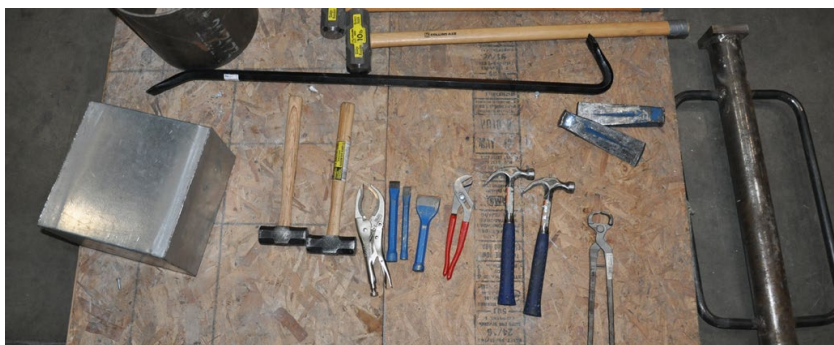
OUTSWING TEST



INSWING TEST



FORCED-ENTRY TOOL SET



PERFORMANCE SUMMARY

U.S. Department of State

SD-STD.01.01 Rev. G

FE/5 forced-entry rating

European testing

EN 1627

Resistance Class 3

Ratings apply to the evaluated assembly. Project-specific modifications require review.

TEST PROFILE

FE/5 testing subjected the complete assembly to a timed team attack using forced-entry tools under SD-STD.01.01 Rev. G. RC3 classification was achieved under EN 1627 testing at IFT Rosenheim. Testing documentation should be reviewed with the final project configuration.

SECURITY & ACCESS-CONTROL OPTIONS

Configuration-dependent protective and access-control systems

BALLISTIC CONSTRUCTION

Handgun-resistant construction equivalent to UL 752 Level 3 and rifle-resistant construction equivalent to UL 752 Level 8 are available in project-specific configurations.



FIAM X1R MULTI-POINT LOCK

Electromechanical multi-point locking with automatic locking, keypad capability, smartphone operation, and third-party access-control integration.



ISEO FINGERPRINT READER

Biometric entry provides keyless access through an authorized fingerprint. The reader must be paired with the FIAM X1R locking system.



ELECTRIC STRIKE

Fail-secure electric strike for access control with the standard mechanical lock. The strike releases the latch but does not operate the deadbolts.



DORMA CONCEALED CLOSER

Factory-installed Dorma ITS 96 concealed door closer for controlled closing while maintaining a clean architectural appearance.



BALLISTIC VIEWER & LOCKOUT

UL 752 Level 3 ballistic door viewer and an interior Mottura lockout function are available. The lockout blocks outside entry while engaged.



OPTION COORDINATION

Optional systems are configuration dependent. Electrical power, wire routing, credential management, reader compatibility, egress requirements, door handing, and security classification must be coordinated before fabrication. Biometric access requires the FIAM X1R lock.

Ballistic-rating terminology describes the available protective construction. Final protection claims and tested components must be confirmed for the specified door, frame, glazing, hardware, and opening configuration.

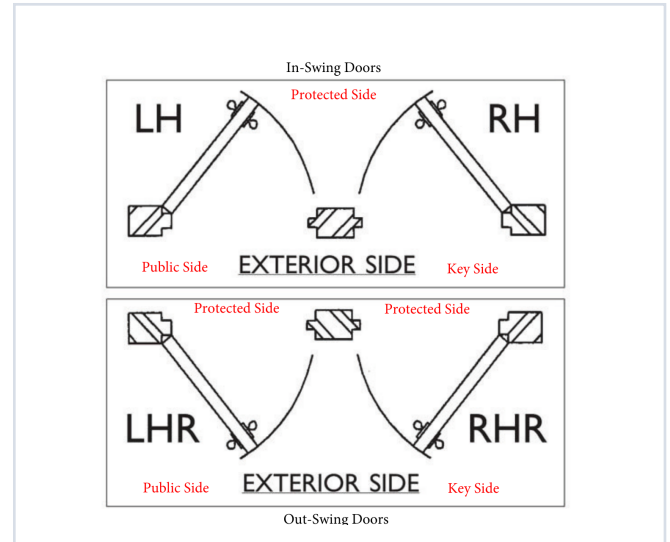
PROJECT INTERFACE REQUIREMENTS

Rough opening, wall condition, handing, threshold, and anchorage references

ROUGH-OPENING MEASUREMENTS

A WIDTH	Measure between framing at the top, middle, and bottom. Record the smallest dimension.
B HEIGHT	Measure from finished floor or planned finished-floor elevation to the underside of the header at left, center, and right. Record the smallest dimension.
C WALL THICKNESS	Measure total finished wall depth, including drywall, sheathing, cladding, and other finishes.

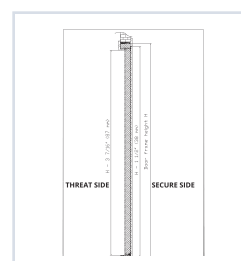
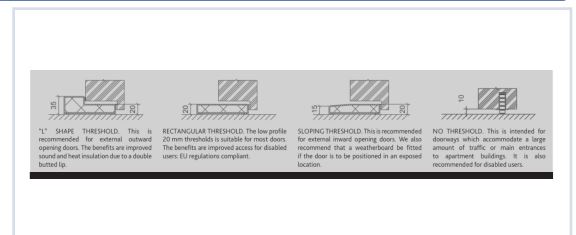
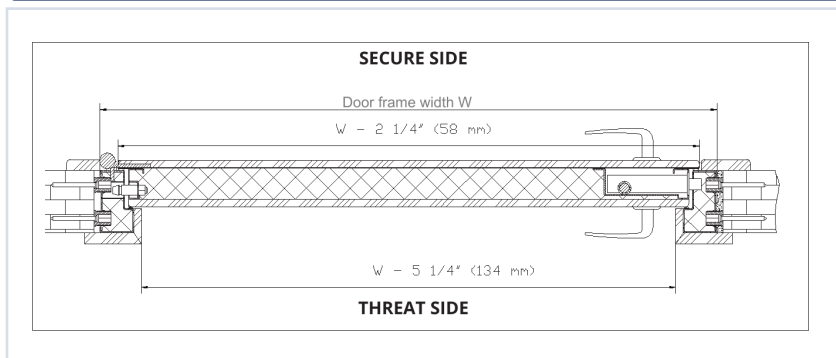
HANDING REFERENCE



PLANNING ALLOWANCES

Rough wall opening	Planning guideline: approximately 5-1/2 in. wider and 2-1/2 in. higher than the desired clear door opening
Installation clearance	Typically approximately 1/2 in. to 3/4 in. around the frame, subject to approved shop drawings
Finished floor	Verify final floor elevation and threshold transition before fabrication
Wall construction	Identify wood stud, masonry, concrete, steel framing, and complete public-to-secure-side wall build-up

SECTION & SILL REFERENCES



Installation control Frame depth, clear opening, anchors, orientation, sill, and wiring must follow approved shop drawings and the installation manual.