



Hinged Door Specifications



A Complete System

✓ Ultimate Security

- ✓ **U.S. Dept. of State** standards testing for embassy attacks: battering rams, axes, sledgehammers, etc.
- ✓ Testing for up to **6 professionals attacking** the door simultaneously, up to **4+ hours** combined.
- ✓ **All side locking**, up to 20 bolts
- ✓ Up to **7 layers of armoring**, geometrically optimized
- ✓ Upgraded steel option **resists military rifles, plasma torches, concrete saws**, and more.

🧠 Custom Design

- ✓ **Custom designed:** match nearby doors or create a new masterpiece
- ✓ **Bespoke milling** profiles, raised mouldings, hand-finished woodwork
- ✓ Durable engineered woods, or natural woods like Oak or Mahogany
- ✓ **Hundreds of paint or stain colors**, traditional and ornate door handles

🔧 Installation Simplicity

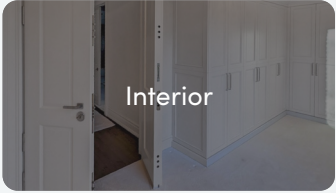
- ✓ **Custom manufactured** to fit your existing opening sizes or blueprints
- ✓ Entire system included, entire system pre-installed (door, frame, locks, hinges) and **factory tested**
- ✓ **Built-in steel shims** for easy alignment.
- ✓ Fits wood framing, concrete or masonry.

👍 Ease of Use

- ✓ **Special engineering** and hinges for effortless door swing for clients of all ages
- ✓ **Lock and unlock all bolts** with one cylinder
- ✓ **Optional biometrics**, smart home integration, and auto-locking features.
- ✓ **Acoustic & thermal insulation** throughout, and dual-layer weather seals integrated

Made to Measure

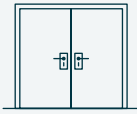
Environment



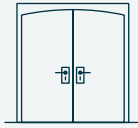
Configuration Examples



Single leaf



Double leaf

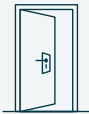


Arches



Glass Features

Door Handing



LH inswing



RH inswing



LHR outswing



RHR outswing

Max Dimensions

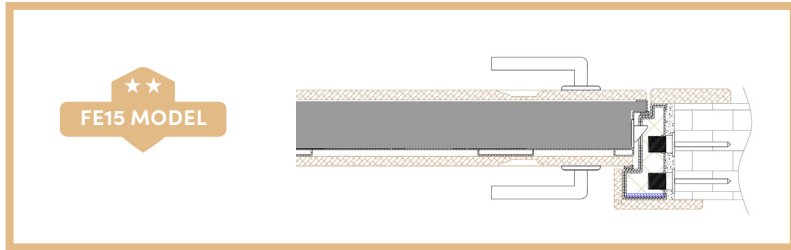
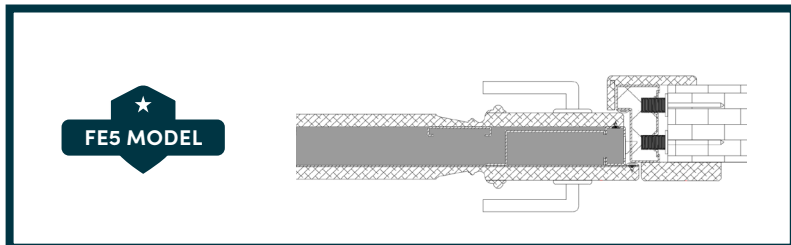
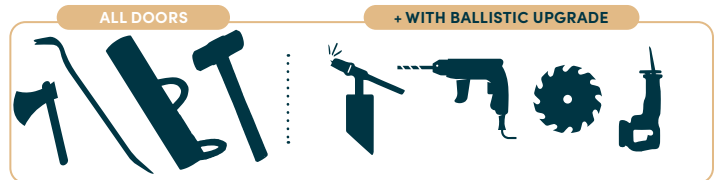
	SINGLE LEAF	DOUBLE LEAF	SIDELIGHTS TRANSOMS
MAX. WIDTH	48"	96"	Practically Unlimited
MAX. HEIGHT	112"	112"	

IN SOME CASES, EXCEPTIONS CAN BE MADE. FOR SIGNIFICANTLY LARGER DOORS, CONSIDER OUR PIVOT DOORS INSTEAD

Five Security Tiers

	★ FE5 HIGH SECURITY			★★★ FE15 ULTRA SECURITY		
FORCED ENTRY LEVEL	1 MAN-HOUR OF ATTACK			4+ MAN-HOURS OF ATTACK		
ATTACK RESISTANCE	None			None		
BALLISTIC STEEL UPGRADE	None	Level 3	Level 8	None	Level 3	Level 8
ARMOR LAYERS	5 Layers			7 Layers		
STANDARD DOOR DEPTH	3"			3.5"		
STANDARD FRAME DEPTH	4.0"			4.7"		
FRAME	L-shape Steel Frame Single Interlock With Door			Double L-shape Double Steel Layers Double Interlock With Door		
ACTIVE BOLTS	12 Bolts			12 standard		
ADDITIONAL FIXED BOLTS	+ 4 to 6			+ 6 to 8		
FOR GLASS FEATURES: GLASS ARMOR LEVEL	P6B	Level 3	Level 8	P8B	Level 3	Level 8

Sample Weapon Resistance



Included Standard

PRIMARY LOCK SYSTEM

Mottura 85 Armored lock system with connected secondary locks, overall securing all four sides of door with 16–20 bolts

THERMAL & ACCOUSTIC

2"+ Rockwool Insulation (Door & Frame), Double Weather Stripping Seal

THRESHOLD OPTIONS

Level threshold	Sloped Threshold	No Threshold	Drop-Down Seal
-----------------	------------------	--------------	----------------

INCLUDED HANDLES

Over 100 lever options	3rd Party Handles requires 8mm spindle on square, and surface applied screws
------------------------	---

CYLINDER

Mottura high-security cylinder

CYLINDER DEFENDER

Integrated defender with anti-drill spinner

HINGES

3–4 welded ball bearing hinges

CLADDING OPTIONS

Interior: Umidax Engineered Wood	Exterior: Medite Tricoya Extreme
----------------------------------	----------------------------------

Additional Options

MOTORIZED LOCK UPGRADE

(FAIL SECURE, POWER BOX W/ BACKUP BATTERY, MANUAL BACKUP)

X1R Smart	X1R Smart Single Action	Panic 4RM
-----------	-------------------------	-----------

EMBEDDED ACCESS CONTROLS

Digital Keypad	eKey Biometric Scanner	Argo App	Access Control Integration
----------------	------------------------	----------	----------------------------

PEEPHOLES

Armored	Bullet resistant
---------	------------------

DOOR CLOSERS

Concealed Dorma ITS 96	Remote release Dorma ITS 96 FL	Surface Mounted
------------------------	--------------------------------	-----------------

SENSORS

Door Position Sensor	Door Lock Sensor
----------------------	------------------

STAIN WOOD MATERIALS

Marine-grade plywood	Oak	Walnut	Mahogany
----------------------	-----	--------	----------

ADVANCED DESIGNS

Applied / Raised Moulding	3D bespoke designs	Center Knobs	Integrated Lighting
---------------------------	--------------------	--------------	---------------------

SPECIALIZED UPGRADES

Fire Resistance Upgrade	Gun Port	Acoustic Membrane	Lockout Function
-------------------------	----------	-------------------	------------------

All items pre-assembled and tested in factory



We work with
clients throughout
North America.

WWW.FORTIFIEDESTATE.COM

Phone: 844-656-FORT (3678)

Email: Contact@FortifiedEstate.com

Mailing Address:
Fortified Estate, LLC
1900 Jay Ell Dr.
Richardson, Texas 75081