

FRANCE
METAL
STEEL DOORS & FRAMES



SETTING NEW STANDARDS FOR
STEEL DOORS MANUFACTURING



Ceco Door Products

Manufactured Under License



NEW STANDARDS

For steel doors manufacturing

Where performance is of primary concern, France Metal can provide a choice of steel doors & frames to match the appropriate project demands.

This includes mobility, security and acoustic specifications, together with a full range of fire rated doors, tested and accredited by

UNDERWRITERS LABORATORY 

France Metal doors & Frames are the perfect solution to your openings.

France Metal doors & Frames range has been designed to meet the industries most enhancing standards of specification, making them ideally suitable for commercial projects.

Introduction

Famous Doors

in Famous Plaecs



Nile City



City Stars

فرانس ميتال الشركة الرائدة في مصر لتصنيع الابواب والحلوق المعدنية بأنواعها المختلفة، وذلك بترخيص من كبرى الشركات الامريكية : **CECO DOOR PRODUCTS**

ويشمل انتاج فرانس ميتال حلوق وابواب معدنيه :

- مقاومة للحريق و عادية

- ستانلس ستيل

- مضاد للرصاص

- عازلة للصوت

- مزخرفة

- لغرف الاشعة السينية

كما ان منتجات شركة فرانس ميتال حاصلة على شهادة اختبار

من معامل ال **UNDERWRITERS** 

LABORATORY وكبرى المعامل المتخصصة في مجال

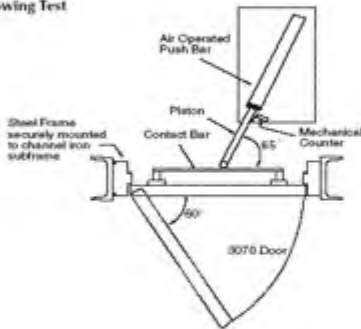
الحريق مما يجعل الابواب مطابقة لكود الحريق المصري

والامريكي **NFPA80**

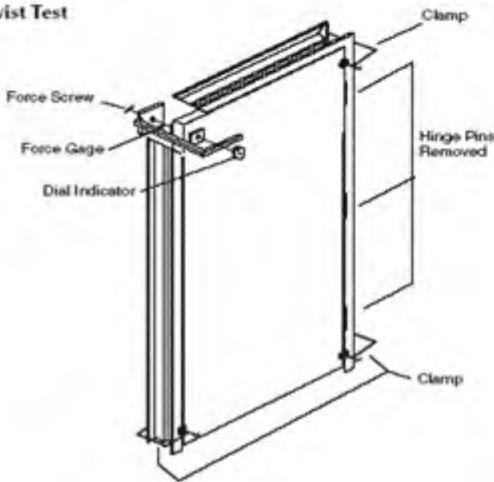
Performance



Swing Test



Twist Test



PHYSICAL ENDURANCE

Measures door assembly's ability to resist Deterioration Resulting from expected usage.

TEST CONSISTS OF TWO PARTS:

SWING TEST (ANSI A250. 4.94) door
(ANSI A250. 5.94) frame

Door is opened and closed a prescribed number of times.

TWIST TEST (ANSI A250.4.94) door

Periodically throughout swing test, a 300 lb. load is applied To the upper lock edge corner to gauge the door's ability To resist permanent deflection.

STRUCTURAL PERFORMANCE

Measures door assembly's ability to resist Static loads similar to those caused by high winds. TEST-ASTM E330-90, "Structural Performance by Uniform Static Air Pressure Difference"

SECURITY

Measures door assembly's ability to restrain, delay And frustrate certain burglar attacks. "Attacks" as defined in NILEJ standards. TEST-ASTM F476-76. The Door assemblies tested Conform to classification 40.

CONFORMANCE TO INTERNATIONALLY ACCEPTED SPECIFICATIONS AND STANDARDS

When properly specified, France Metal doors and frames will conform to the document requirements of the recognized agencies listed below:

CEGS-08110: Steel Doors and Frames – Guide Spec. for Military Construction Army Corps of Engineers.

ANSI A250.8: Recommended Specs. For Steel Doors & Frames, SDI.

HMMA861 : Commercial Hollow Metal Doors and Frames, NAAMM.

ANSI A115 : Standard Specs. For Door and Frame Hardware Preparation.

ANSI/NFPA 101: Life Safety Code.

ANSI/NFPA 105: Installation of Smoke and Draft Control Assemblies.

ANSI/NFPA 80 : Fire Doors & Windows.

ANSI/NFPA 252: Fire Test of Door Assemblies.

ANSI/NFPA 257: Fire Test of Window Assemblies.

UL9 : Fire Test of Window Assemblies.

UL 10B : Fire Test of Door Assemblies.

UL 10C : Positive Pressure Fire Test of Door Assemblies.

UL 752 : Bullet Resistant Equipment.

UBC 7-2: Fire Test of Door Assemblies.

UBC 7-4: Fire Test of Window Assemblies.

BS 476 Part 22-'87: Fire Test of Building. Materials and Structures



Steel Frames

Frame Specifications



Single Rabbet



Single Rabbet
Weather Kerf



Double Rabbet



Double Rabbet
Weather Kerf





Double Egress

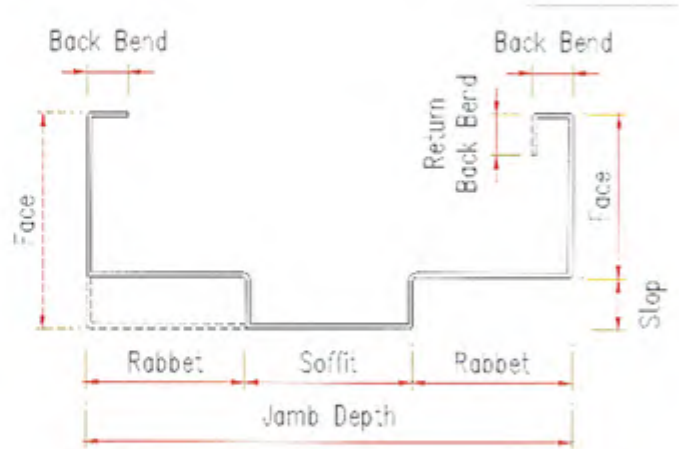
STANDARD FEATURES

- Cold rolled steel sheets conforming to ASTM A366
- Sheet Thickness: 1.5mm, level (2), Heavy Duty
- Jamb depth 150 mm.
- Knock down corners.
- Existing opening anchors (EO/N) for masonry applications.
Z-anchors (MSZ) for dry wall applications.
- 4.2 mm thick steel hinges. 4.5" (114.3mm) height.
- Plaster guard box @ back of hardware cut outs.
- 3 silencers (Rubber Mutes) @ single leaf frame lock jamb.
OR 2 silencers (Rubber Mutes) @ double leaves frame head.
- Finished in Epoxy Primer Paint, factory applied.
Act as a base coat for field applied finish coat.

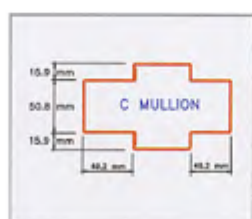
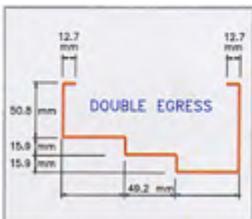
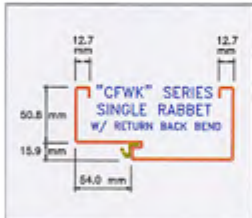
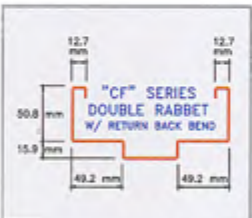
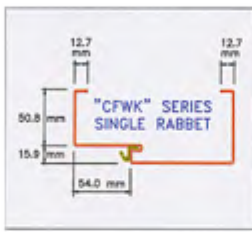
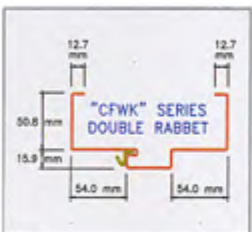
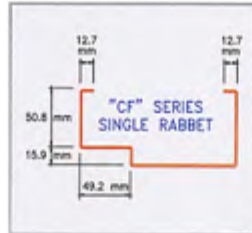
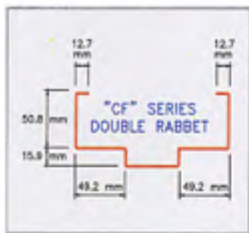
OPTIONAL FEATURES

- Fire rated  Label up to 3 hours.
- Bullet resistant  Label up to level 4.
- Hot - dipped galvanized steel sheets
Conforming to ASTM A526 or A642 & A525.
- Sheet thickness:
Level (1), Standard duty, 1.2 mm thick.
Level (3), Extra heavy duty, 2.0 mm thick.
Level (4), Maximum duty, 2.5 mm thick.
- Jamb Depth up to 350 mm.
- Welded corners with temporary bottom spreader bars.
- Frame Fixing Anchors:
MT - WMA - EO/Tube - WSZS - SFA - SLFA
- Perimeter weather & cold smoke gasket @ CFWK profiles.
- 4" (101.6 mm) or 5" (127 mm) height hinge reinforcement.
- Electric strike preparation
- Four Sided for Access Panels.
- Glazing beads for Fixed type Windows.
- 30 mm stop for Fixed louvers.

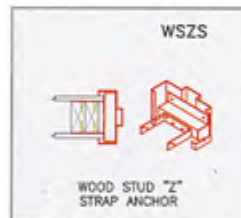
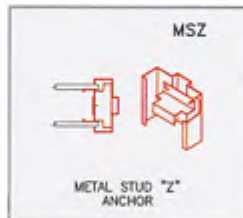
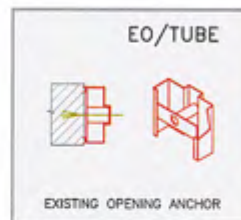
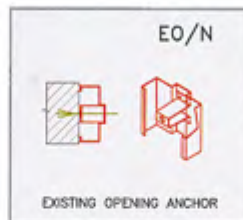
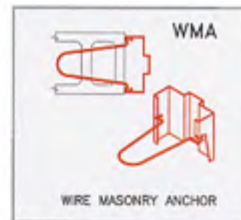
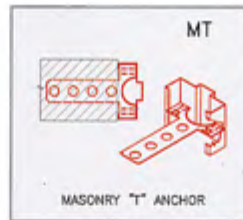
Frame Nomenclature



FRAME PROFILE

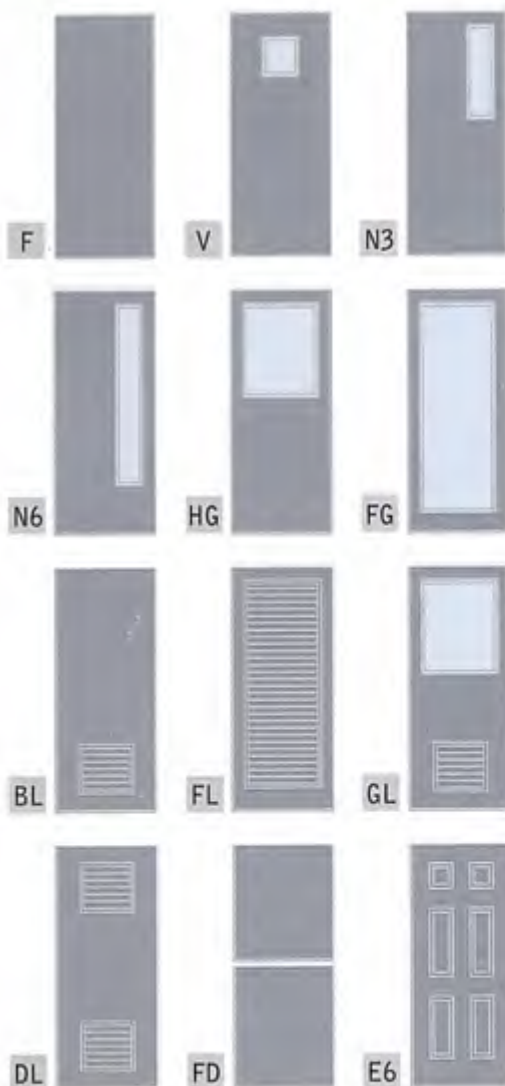


Frame Fixing Anchors






STEEL DOORS






STANDARD FEATURES

- Cold rolled steel sheets conforming to ASTM A366 (except MADERA & STAINLESS Steel Doors).
- Face sheet thickness: 1.0 mm, level (2), heavy duty
- Mechanically interlocked face sheets, with edge seams.
- Over all door thickness: 45 mm.
- Lock edge beveled 1/8" in 2" (1:16)
- 4.2 mm thick steel hinge reinforcement.
For full mortise type hinge of 4.5" (114.3 mm) height.
- Flush top channel.
- Inverted bottom channels.
- Finish: Epoxy primer paint, factory applied.
Act as base coat for field applied finish coat.
- Tested for one Million open / close cycles.

OPTIONAL FEATURES

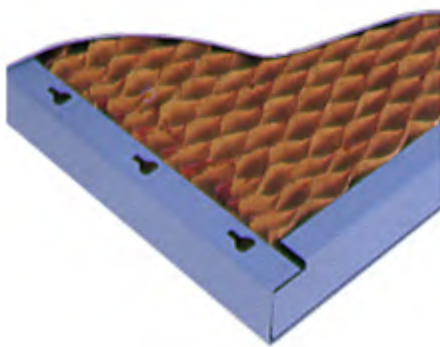
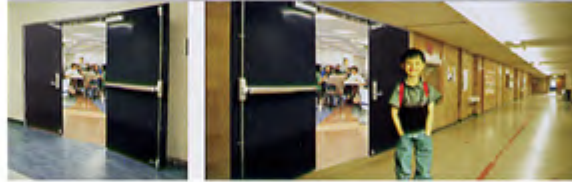
- Fire rating  label up to 3 hours.
- Hot dipped galvanized steel sheets conforming to ASTM A526 or A624 & A525.
- Sheet thickness:
Level (1), Standard duty, 0.8 mm.
Level (3), Extra heavy duty, 1.2 mm.
Level (4), Maximum duty, 1.5 mm.
- 4" (101.6 mm) or 5" (127 mm) height hinge reinforcement.
- Magnetic lock preparation.
- Electric strike preparation.
- Seamless edges.

FIRE RATING

- Only doors carrying physical  label are considered fire rated.
- Labeled openings include door, frame and hardware.
The effectiveness of the entire opening as a barrier may be Destroyed if any component is omitted or a non labeled Component is used.
- Labeled fire doors have been tested for the fire endurance and
Hose stream test in accordance with NFPA 80, NFPA 252 and UL 10b.
- Labeled fire door must be installed with approved labeled Hardware.
For exact HW requirements refer to NFPA 80 and NFPA 101
- Louvers in fire rated doors must be FUSIBLE LINK type.
Not Larger than 24" x 24"
- Glass in fire rated doors must be  labeled type. Of size not
Exceeding  limits.

Vision Panels - Louvers





Regent

Simplest Solution to Close Openings

DOOR CHARACTERISTICS

- Thermal Insulation Performance: R – Factor = 2.44
U – Factor = 0.41
- Sound Insulation Performance : STC = 32

INTERNAL CORE

- Kraft-Honey Comb Core. Provides structural strength And flatness.
- Curtain coated contact adhesive for permanent pressure Bond and rust prevention.



Medallion

Light Design for High Frequency Traffic & Sound Insulation

DOOR CHARACTERISTICS

- Thermal Insulation Performance: R – Factor = 2.38
U – Factor = 0.42
- Sound Insulation Performance : STC = 41

INTERNAL CORE

- Vertical Steel Stiffeners 0.8 mm thick, extending full door height. 150 mm apart, along leaf width. Spot welded to face sheet not more Than 125 mm of centers. Fiber Glass in Fill.
- Optional In Fill: ROCK WOOL

SECURITY, STRENGTH & BEAUTY



Madera

The Look of WOOD, The Security of STEEL

DOOR CHARACTERISTICS

- Thermal Insulation Performance: R – Factor = 14.97
U – Factor = 0.067
- Sound Insulation Performance : STC = 26

STANDARD FEATURES

- Galvanized, Wood grain, Engraved Steel.
- Foamed Polyurethane Core, chemically bonded to Door Face sheets For total surface support. Impact resistant.
- Factory Pre-Finished Stain Coat, over stainable base Coat. Tough clear finish coat with UV protection.

SIZE LIMITATION

- FLUSH Designs:
 - Width : 600 to 1050 mm
 - Height: 2000 to 2400 mm
- EMBOSSSED 6-PANEL Designs:
 - Width : 815 to 915 mm
 - Height: 2030 to 2130 mm



Imperial

The lightest in weight, the highest in insulation

DOOR CHARACTERISTICS

- Thermal Insulation Performance: R – Factor = 14.97
U – Factor = 0.067
- Sound Insulation Performance : STC = 26

INTERNAL CORE

- Foamed Polyurethane, chemically bonded to door face sheets
For total surface support. Impact resistant

SPECIAL APPLICATION DOORS

Stainless Steel Tech

The right solution for health care industries

DOOR CHARACTERISTICS

- Thermal Insulation Performance: R – Factor = 14.97
U – Factor = 0.067
- Sound Insulation Performance : STC = 26

STANDARD FEATURES

- Stainless steel sheets – Grade 304.
- Foamed Polyurethane Core, chemically bonded to door Face sheets for total surface support. Impact resistant.
- Hair line matt finish.

OPTIONAL FEATURES

- Face sheets: Stainless steel – Grade 316.
- Stainless steel hinge reinforcement.
- SEAMLESS Edges (Face sheet 1.5 mm thick ONLY).



SPECIAL APPLICATION DOORS



Anti Bullet

The simplest way to stop bullet attack

DOOR CHARACTERISTICS

- Effective to level 4: 30-06 rifle
- Tested in accordance with UL 752.

INTERNAL CORE

- Concealed armor, flush faces armor plate
Thickness, vary with bullet resistance level.
- Foamed Polyurethane Core, chemically
Bonded to door face sheets for total surface
Support. Impact resistant.

**TESTED IN CONFORMANCE WITH UL752
FOR THESE WEAPONS**

	Level 3	Level 4
Rating	Super Power Small Arms	High Power Rifle
Firearms	.44 Magnum Revolver	30-06 Sporting Rifle
Barrel Length	6 1/2" (165)	_____
Bullet Type	Soft Point 240 Grain	Spitzer 220 Grain
Muzzle Velocity	1470 Fps	2523 Fps
Muzzle Energy	1150 Ft-lb	3102 Ft-lb



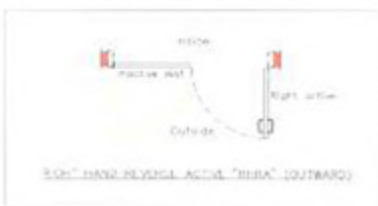
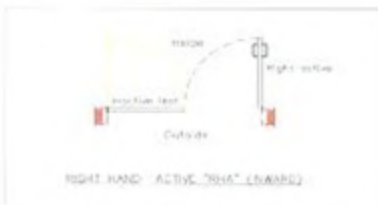
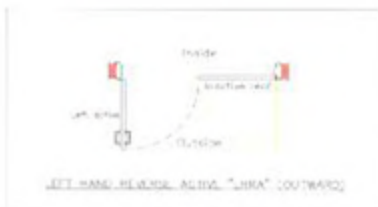
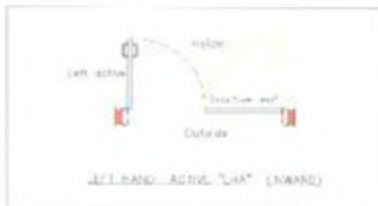
X-Ray Room Doors

Consult Our Technical & Sales Office

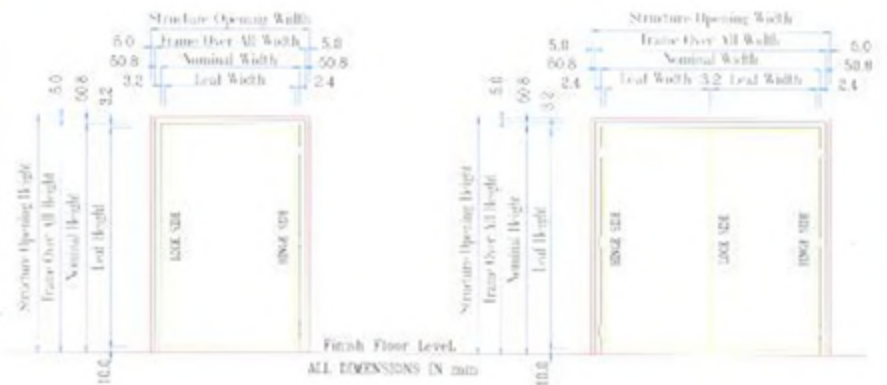
Steel Doors Basics



Doors Handing Legend



Frame Door Clearance



Hardware Locations

