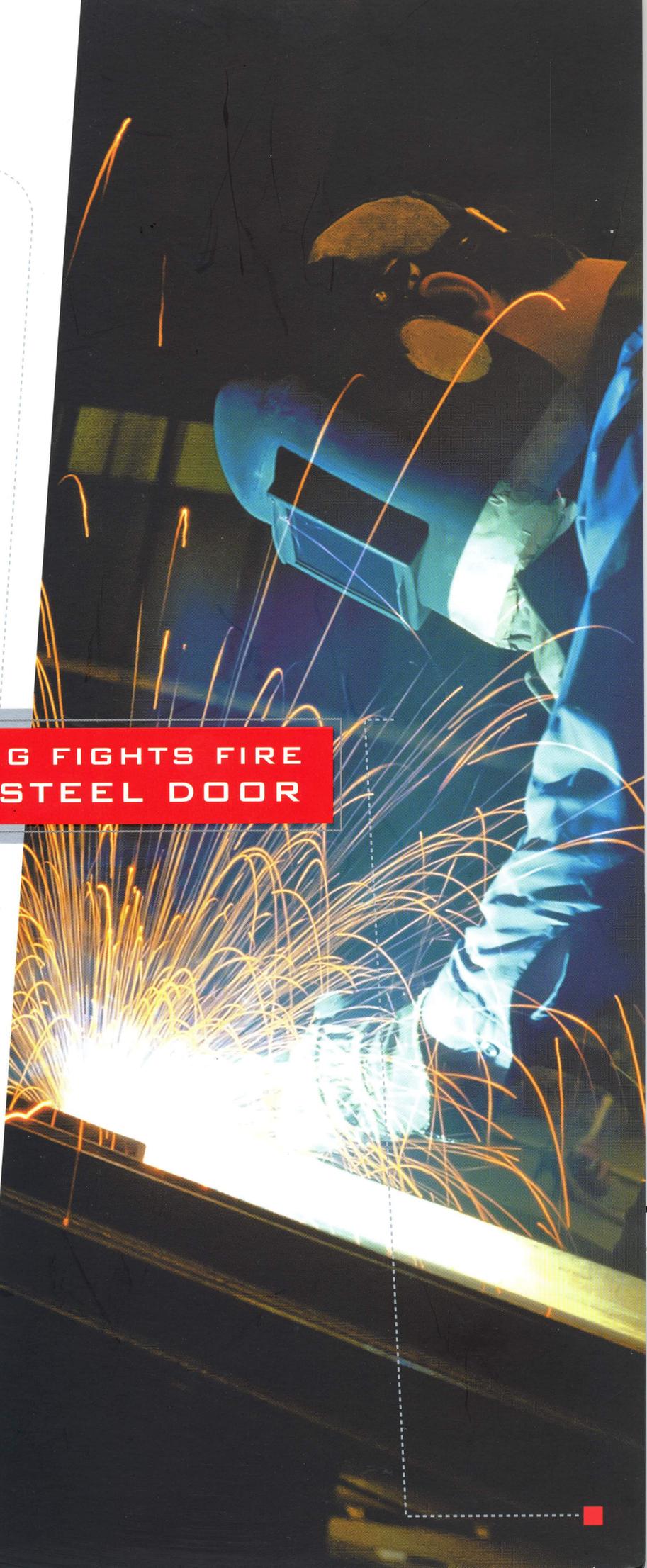


FRANCE
METAL
STEEL DOORS & FRAMES



**NOTHING FIGHTS FIRE
LIKE A STEEL DOOR**



 **Ceco Door**

ASSA ABLOY

Manufactured Under License



FRAME SPECIFICATIONS

STANDARD FEATURES:

- Cold rolled steel sheets conforming to ASTM A366
- Sheet Thickness: 1.5 mm, 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 hinge reinforcement
- For template mortise hinges. 4.5" (114.3 mm) 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.

OPTIONS:

- 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, 2.5mm thick
- Jamb Depth up to 350 mm.
- Welded corners with temporary bottom spreader bars.
- 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.

Steel Frames

For Doors & Windows



Single Rabet



Single Rabet
Weather Kerf



Double Rabet



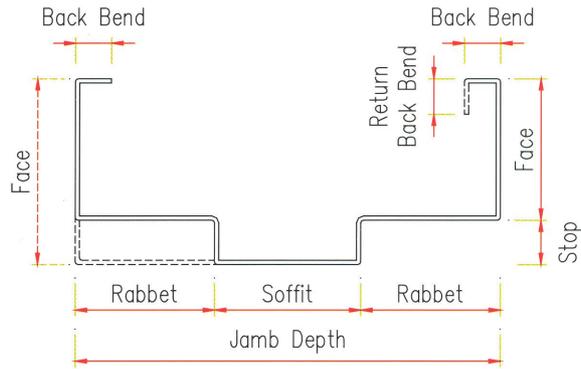
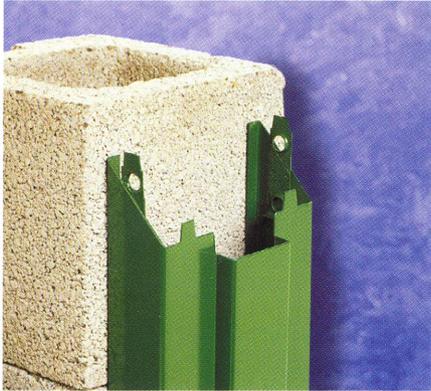
Double Rabet
Weather Kerf



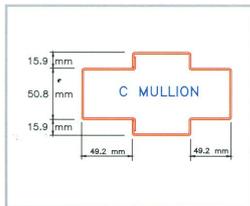
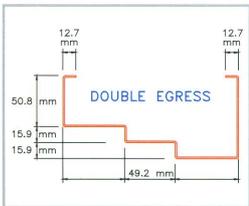
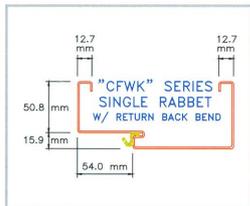
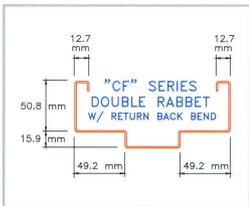
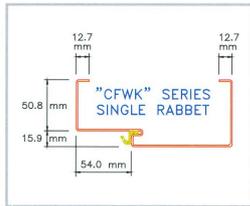
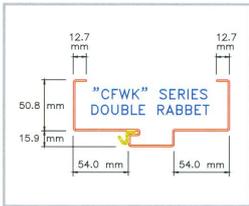
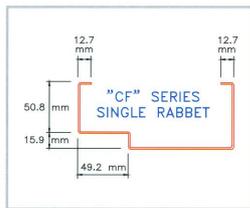
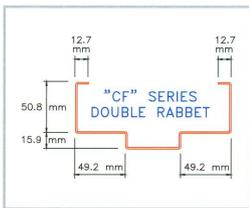
Double Egress



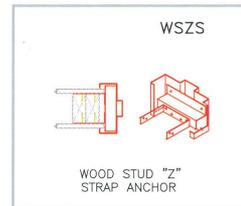
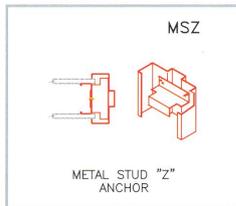
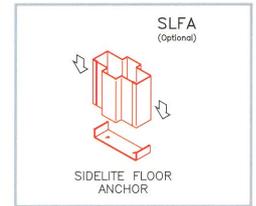
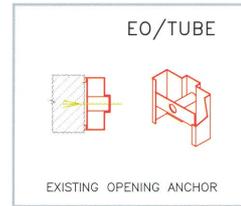
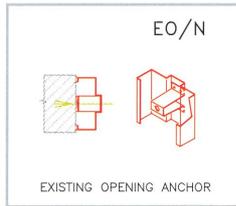
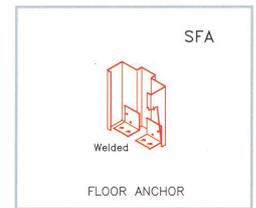
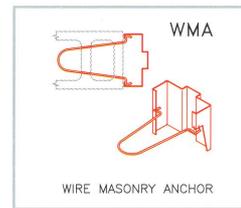
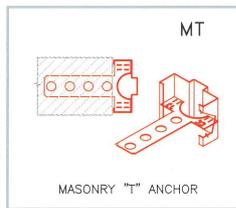
Frame Nomenclature



Frame Profile



Frame Fixing Anchors



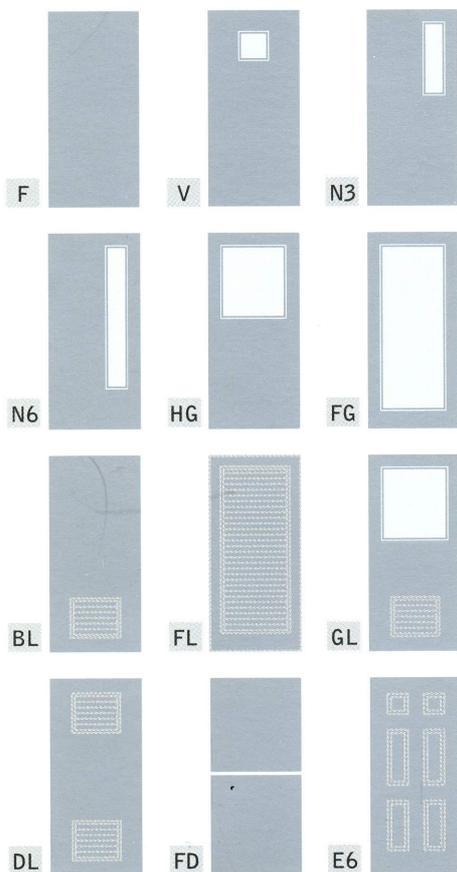


Safety is our Concern

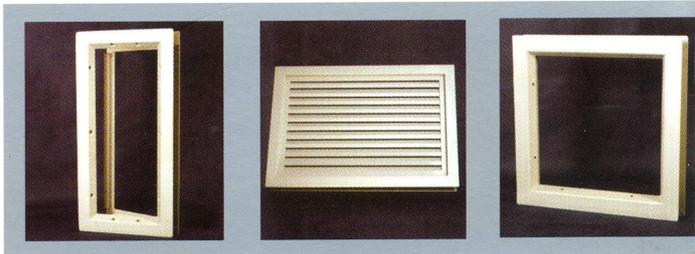


Steel Doors

Doors Available Designs



STEEL DOOR ACCESSORIES Vision Panels - Louvers



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 UL label Up to 3 hours.
- Hot dipped galvanized steel sheets conforming to ASTM A526 or A642 & 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.

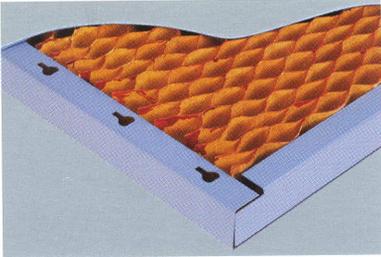
FIRE RATING

- Only doors carrying physical UL label are considered fire rated.
- Labeled openings include door, frame and hardware.
The effectiveness of the entire opening as a fire 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 UL labeled type.
Of size not exceeding UL limits.



Regent

Simplest Solution to Close Openings



Door Characteristics

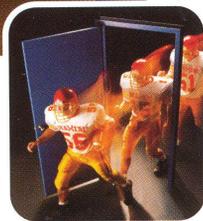
- Thermal Insulation Performance: R – Factor = 2.44
U – Factor = 0.41
- Sound Insulation Performance : STC = 32

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 : ROCKWOLL





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.

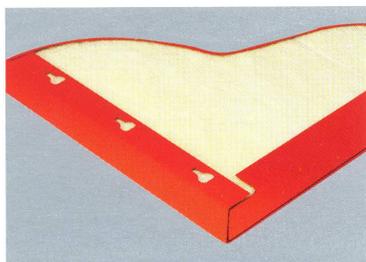
Size Limitation:

- 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.

Options:

- 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.

	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

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



For X-Ray Rooms Doors

Consult Our Tech. & Sales Office