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Jubail - Hafar Al Batin - Taif - Hail - Khamis Mushaiith - Tabuk - Sakaka - Arar
Najran - Jizan - Abha - Bisha - Khaffji - Wadi Al Dawasir - Al Baha - Qurayath - Al Ras
Oniza - Tabrjal



HMD

Hollow Metal Doors
(Fire Rated)



Introduction

Al-Barrak Industrial Group was established in Kingdom of Saudi Arabia since 1994 in the Industrial City of Al-Ahsa having a total area of 28000 square metes with 800 employees and workers in factory and 40 Sales Showrooms around the Kingdom.

Al-Barrak Industrial Group serves its customers from five major divisions:

- Rolling shutters Division**
 for manufacturing domestic garage doors and industrial rolling shutters.
- Hollow Metal Doors Division**
 for manufacturing ordinary and fire-rated hollow metal doors.
- Glass Factory Division**
 for complete range of glass processing works.
- Automation Systems Division**
 for supply , installation and maintenance of parking gate systems.
- Knitted Shades Division**
 for tension structures, shade awning of commercial and architectural applications.

Our constant goal to maintain high quality standards and improve the technology of our manufacturing processes has permitted us to obtain a position of leadership in the sector of doors



Door Specifications

Albarrak Hollow Metal Doors are the ideal solution in your openings.

Standard Door Features:

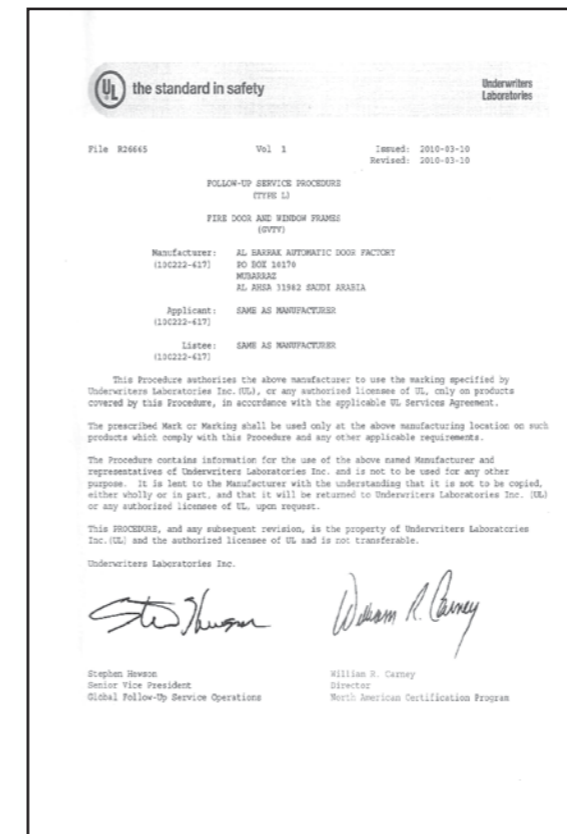
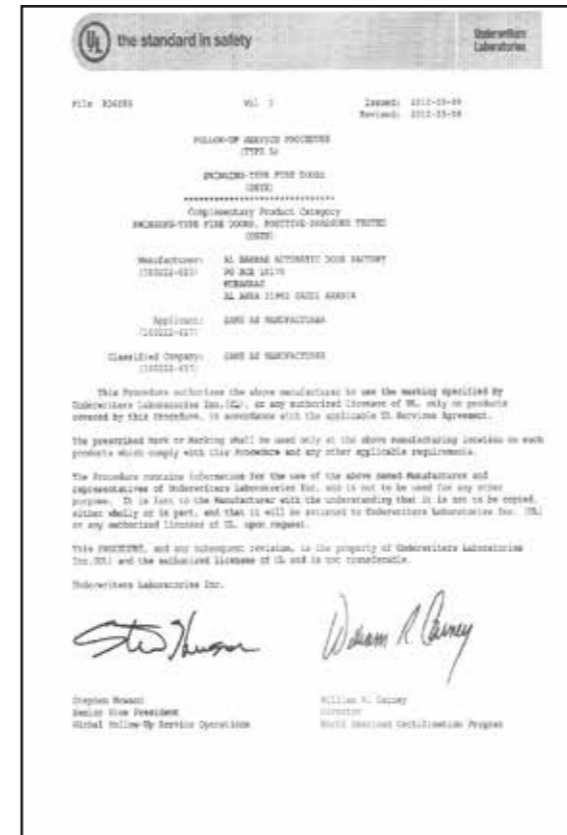
- Cold rolled steel sheets confirming to ASTM A366.
- Face sheets thickness: 1.00 mm (20 Gauge).
- Mechanically interlocked face sheets with edge seams.
- Internal Core: Foamed polyurethane core bonded to door face sheets for total surface support impact resistant.
- Thermal Insulation Performance:
 R-Factor = 14.97
 U-Factor = 0.067
- Sound Insulation Performance:
 STC = 26
- Over all door thickness: 45 mm.
- 4.00 mm thick hinge reinforcement for full mortise hinge of 4.5" (114.3 mm) height.
- Flush top channel
- Inverted bottom channels
- Painting: Coated with rust inhibiting epoxy primer in compliance with ANSI A224.1. Finish paint to be applied at the site by others after installation.

Options:

- Fire rated up to 3 hours in accordance with ANSI/NFPA 252 and UL 10 (b) standards.
- Hot dipped galvanized steel sheets confirming to ASTM A 526.
 Sheet Thickness:
 Heavy Duty: 1.20 mm thick (18 Gauge).
 Extra Heavy Duty: 1.50 mm thick (16 Gauge).
- 4" (101.6 mm) or 5" (127 mm) height hinge reinforcement.
- Seamless edges.
- Internal Core:
 Fiber Glass Insulations
 Honey Comb Insulations
- Glazing and / or Louvers.

Size Limitation:

Swings	Opening Size
Single	Width : 600 to 1200 mm Height : 2000 to 2400 mm
Double	Width : 1500 to 2400 Height : 2000 to 2400 mm



Frame Specifications



Standard Frame Features:

- Cold rolled steel sheets confirming to ASTM A 366
- Sheet thickness : 1.50 mm (16 Gauge).
- Jamb depth : 250 mm (Standard).
- Fully welded or knocked down corners.
- Existing opening anchors (EO/N) for masonry applications. 4.00 mm thick hinge reinforcement for template mortise hinges 4.5" (114.3mm) height.
- 3.00 mm thick steel lock strike reinforcement with tapped holes welded to the frames.
- Plaster Guard Box at the back of hardware cut - outs in the frames.
- Welded corners with temporary bottom spreadr bar.
- Painting : Coated with rust inhibiting epoxy primer in compliance with ANSI A 224.1. Finish paint to be applied at the site by others after installation.

Options:

- Fire rated up to 3 hours in accordance with ANSI/NFPA 252 and UL 10(b) standards.
- Hot dipped galvanized steel sheet confirming to ASTM A 526.
- Sheet Thickness:
 - Extra Heavy Duty : 2.00 mm thick (14 Gauge)
 - Jamb depth up to 350 mm.
- Frame fixing anchors : MT / WMA / SFA / EO-Tube / SLFA / MSZ / WSZS.
- 3 Silencers (Rubber Mutes) at single leaf frame lock jamb (or) 2 silencers at double leaves frame head.
- Perimeter weather strips.
- 4" (101.6 mm) or 5" (127 mm) height hinge reinforcement.
- Glazing: Provide steel channel glazing beads for installation of glazing.
- Sidelites and Transom : Provide all sidelites and transom fabricated from 1.5 mm (16 Gauge) thick commercial quality cold rolled steel sheet or hot dipped galvanized steel sheet.



Single Rabbet



Single Rabbet Weather Strip



Double Rabbet



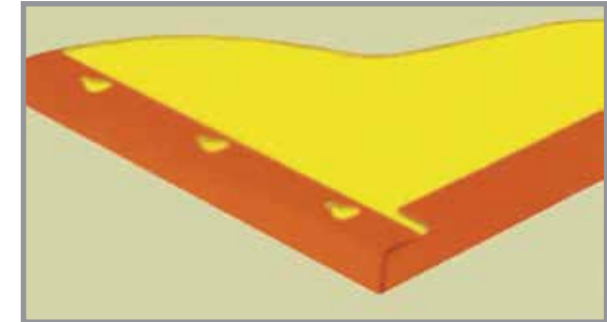
Double Rabbet Weather Strip

Types of Internal Core

Standard Polyurethane Foam Insulation

Characteristics:

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



Fiberglass Insulation with vertical steel stiffners (Rock wall)

Characteristics:

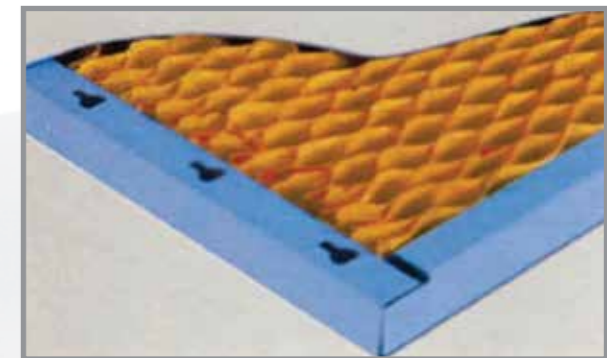
Thermal Insulation Performance	: R - Factor = 2.38
	U - Factor = 0.42
Sound Insulation Performance	: STC = 41



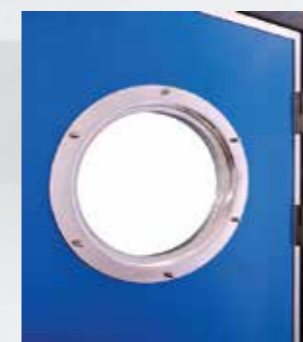
kraft - honey comb insulation

Characteristics:

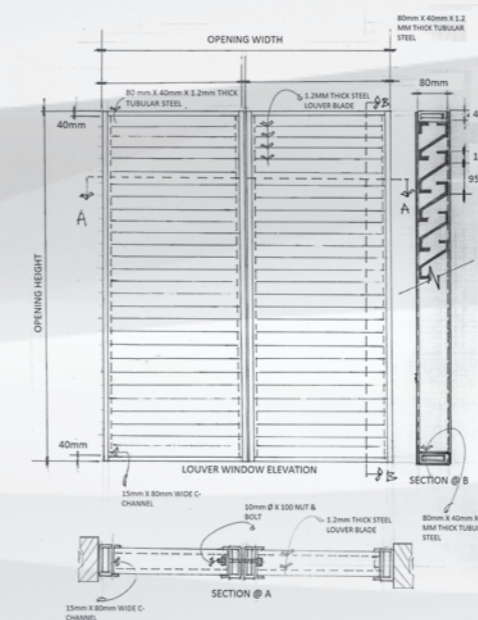
Thermal Insulation Performance	: R - Factor = 2.44
	U - Factor = 0.41
Sound Insulation Performance	: STC = 32



INDUSTRIAL LOUVER WINDOW

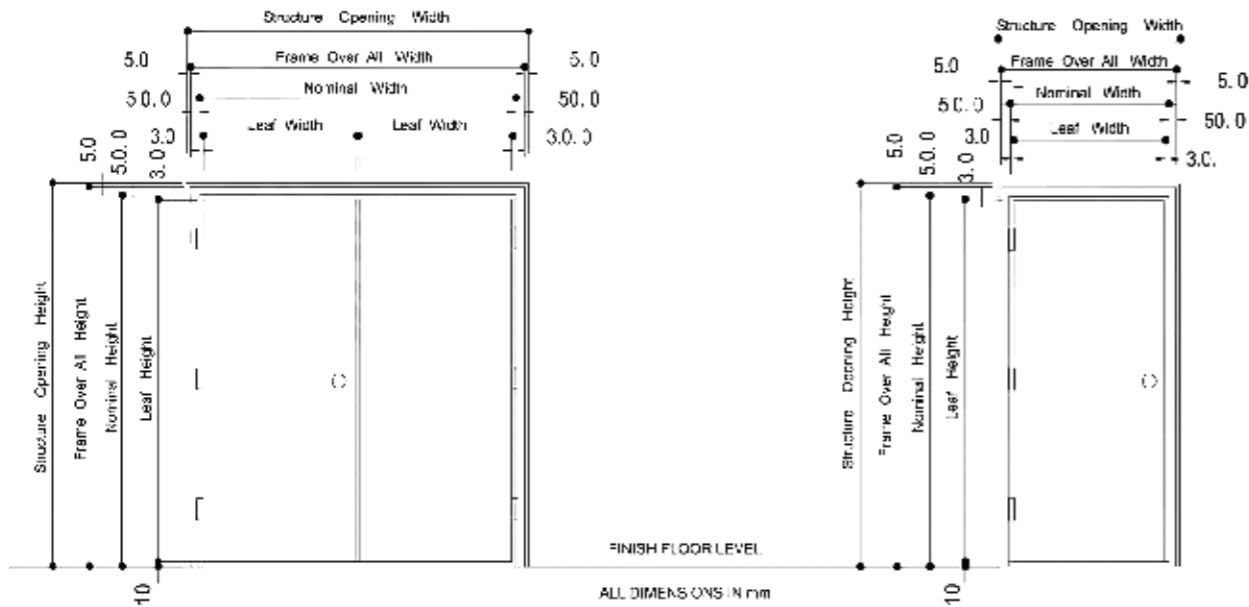


Vision Panels

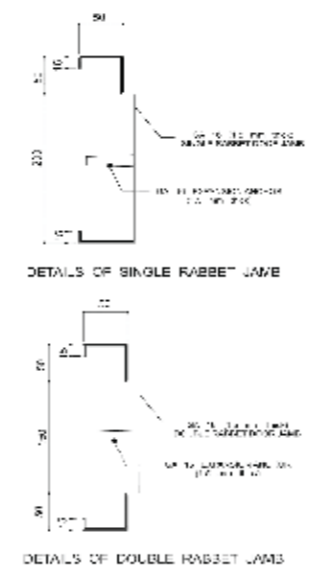


Hollow Metal Doors

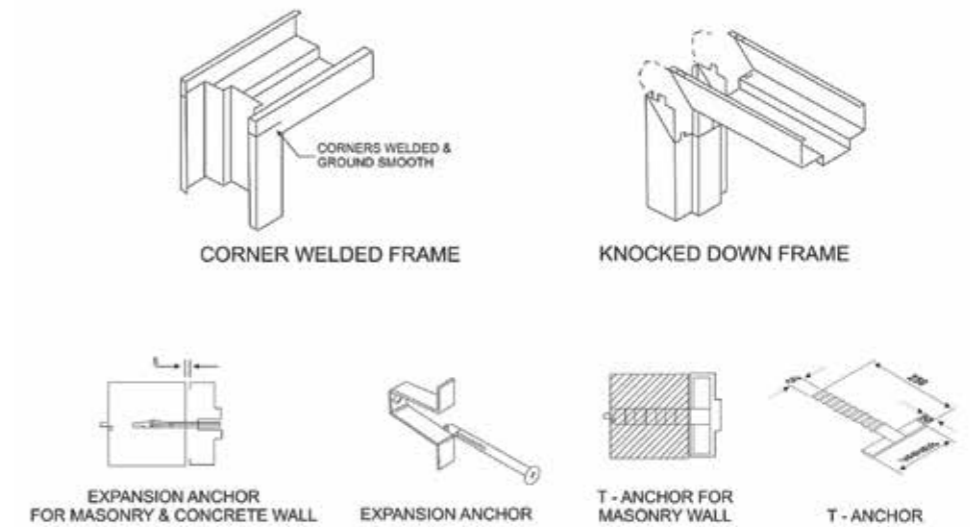
Frame Door Clearance



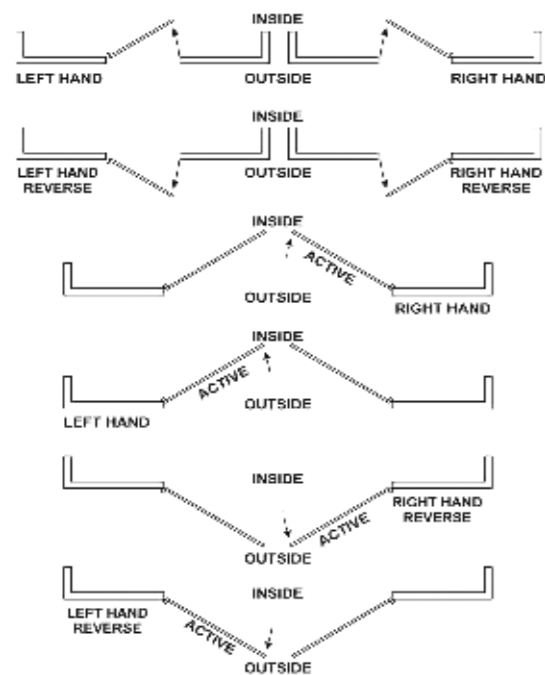
Standard Door Jamb



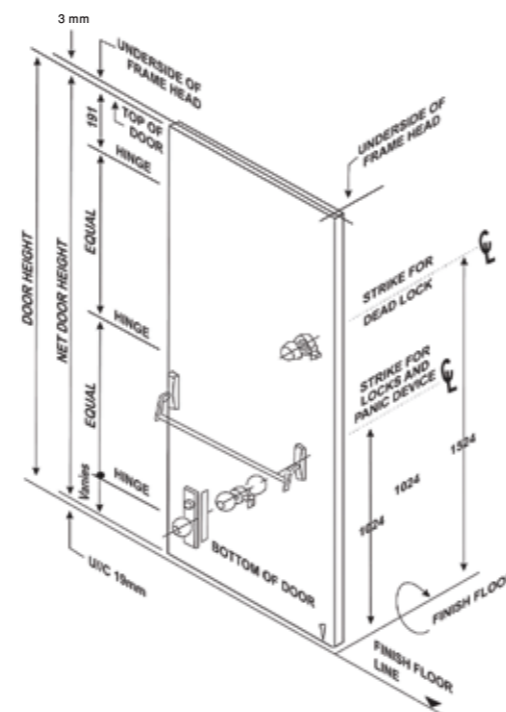
Frame Details



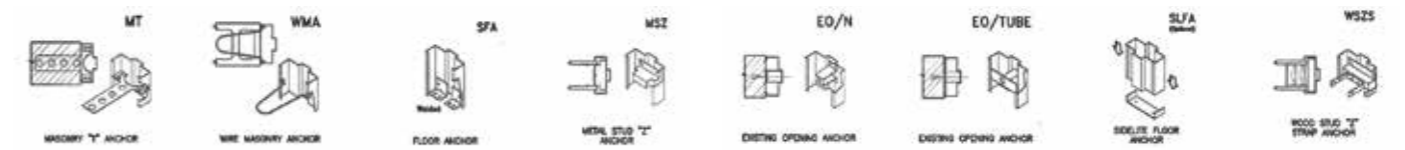
Handing Directions



Hardware Location



Frame Fixing Anchors



Locks & Hardware Supplied by:



Our Clients

