

Table of Contents



)	INTRODUCTION	2
)	OUR PRODUCTS	3
1	FEATURES & BENIFITS	4
)	DOOR DESIGNS	5
1	FRAME PROFILE	6
1	DOOR CONSTRUCTION	8
)	STAINLESS STEEL DOORS & FRAMES	9
)	TECHNICAL SPECIFICATION	10
)	STANDARD FINISH	12
)	CERTIFICATES	14
)	PLANT LOCATION MAP	



Introduction



THE COMPANY

MECHANICAL & TECHNICAL SOLUTIONS L.L.C. ACCOMMenced its Architectural Metal Works operations in 2008, and has since been able to provide the best and most professional solutions to any new challenges, by fabricating quality products and systems conforming to the highest standards of industry practice and carving a niche for itself in a highly competitive industry.

Steel Door is the first of its kind in the Sultanate of Oman. The Factory is equipped with most modern computerized machines capable to manufacture and supply wide range of high quality custom made fire rated and non fire rated steel doors and frames.

The production will cater to the needs of various education, health, defense, hospitality and government institutions, and to all industrial, commercial and residential projects.

- Steel Doors assure you of safety and security, as the doors and frames are:
- 1. Conforming to American and British Standards.
- 2. Certified by UL, Certifire, Intertek, Public Authority for Civil Defence and Ambulance (Sultanate of Oman), Civil Defence (Dubai, UAE), Civil Defence (State of Qatar), Civil Defence (Kingdom of Bahrain), Civil Defence (Iran), Petroleum Development Oman (PDO) and Ministry of Defence Oman (MOD).
- 3. Manufactured with advanced technology using most modern computerized machines.
- 4. The Plant is managed by well experienced team of managers, engineers and technicians.
- 5. The Company is an ISO 9001:2008 certified, assuring to provide best quality product supported by quality management system.









Our Products



- FIRE RATED STEEL DOORS
- **ACOUSTIC STEEL DOORS**
- NON FIRE RATED STEEL DOORS
- **SLIDING DOORS**
- **ACCESS PANELS**
- STEEL WINDOWS
- STEEL SCREENS
- SECURITY DOORS
- STAINLESS STEEL DOORS
- **GRILL DOORS**

Features & Benefits

Steel Doors

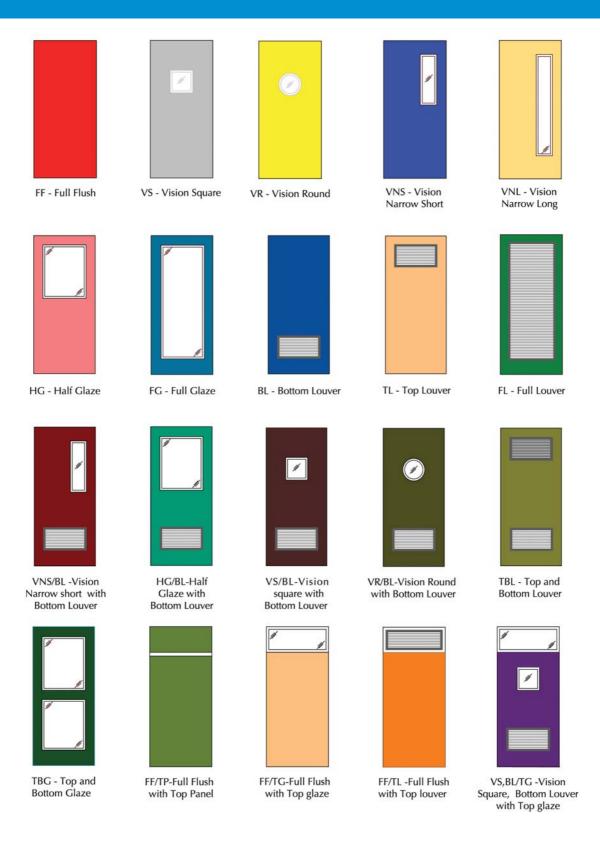
Local authorities, housing associations, national major house builders and regional developers have all chosen to combine the visual appeal of traditional panelled doors with the energy saving, easy care characteristics that make original steel doors such high performers. They meet the exacting standards of newly built homes and provide an aesthetically acceptable means of improving the thermal performance of entry systems in older properties.

Features & Benefits

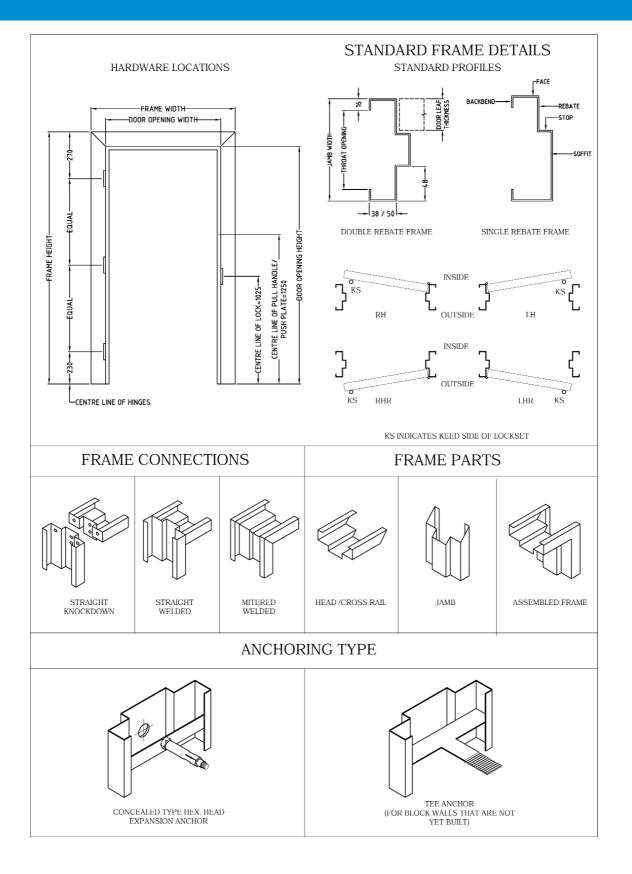
- ✓ Original Steel doors are available in a wide choice of traditional, cottage and contemporary styles.
- ✓ Available primed for on-site painting or pre-finished in a choice of standard colours.
- ✓ Steel composite doors provide an effective alternative to solid timber doors but do not warp, bow or split.
- Excellent sound and thermal performance.
- ✓ Thermal insulation value up to four times that of a solid timber door.
- ✓ Environmentally friendly polyurethane insulating foam core.
- ✓ Durable construction with galvanised steel skins.
- ✓ Available in a range of standard sizes particularly suitable for new build applications.
- ✓ Available with a wide range of ironmongery and glazing options.
- ✓ Long lasting and low maintenance.



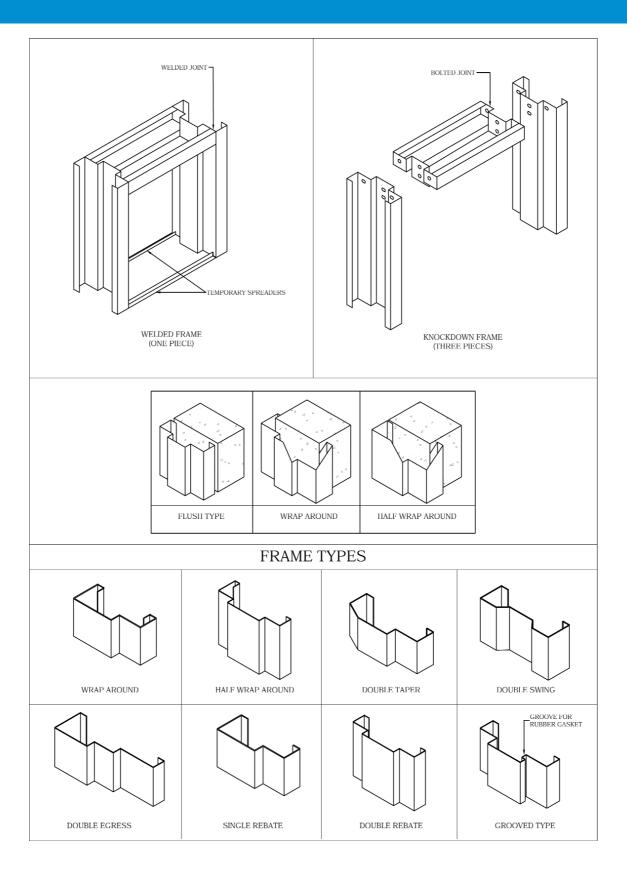
Door Designs



Frame Profile



Frame Profile



Door Construction

Honey Comb Core:

Honeycomb core is made from layers of paper or cardboard bonded together by parallel and uniformly spaced lines of adhesive light weight and high strength. Glued to the interior surface of the door skin, door leaf is the pressed for a couple of hours to maintain the flatness of the door. Compressive strength is equal to 1.4kg/sq.cm.



Polystyrene core:

A rigid closed cell polystyrene in density range from 20 to 35 kg/cu.m. It has a stable thermal conductivity value that ensures insulation efficiency for long time. Commonly used for our non-fire rated doors.



Mineral Core:

Made from molten basalt rocks spun to fine fibers and bonded with thermosetting phenolic resin used for thermal insulation, acoustical and fire barrier. Provided with suitable vertical stiffeners.





Stainless Steel Doors & Frames

stainless steel doors and frames become a judicious choice when you need greater corrosion resistance or an aesthetical look.

TECHNICAL DETAILS

manufactures its doors from a #304 type stainless steel with a #4 finish for projects where stainless steel beauty and prestige are displayed prominently.

For projects that require durability, Mariuses a #316 type stainless steel with a #4 finish which offers a higher resistance to corrosion.

Stainless steel products have a variety of applications where they present superior performance:

- Public pools
- Food processing factories
- Laboratories
- Chemical product warehouses
- Automatic car wash
- The frames are manufactured from 1.5mm stainless steel and can be set up and welded or knockdown;
- The doors are built from 1.2mm or 1.5mm stainless steel.
- The frames and doors are strengthened, mortised, drilled and threaded in order to receive the specified hardware;
- All the components required in this type of doors are manufactured from stainless steel.

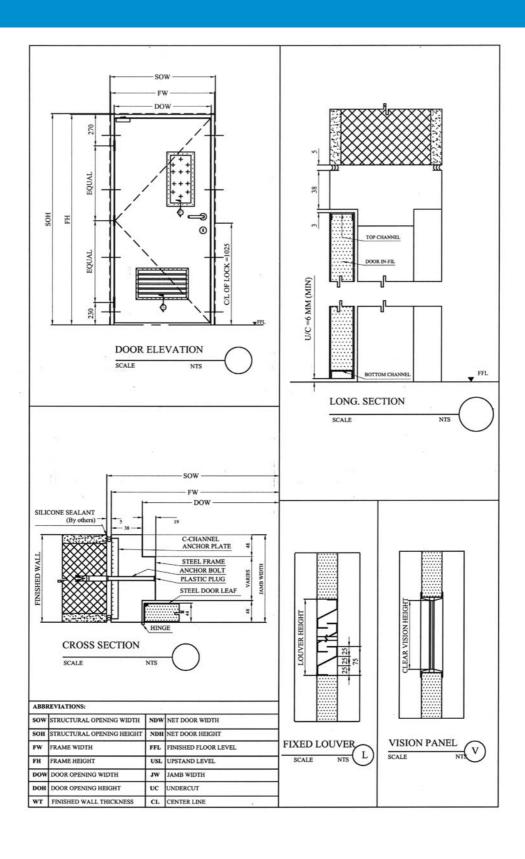
For all of the architectural projects, no doubt the stainless steel is a contemporary and durable choice.

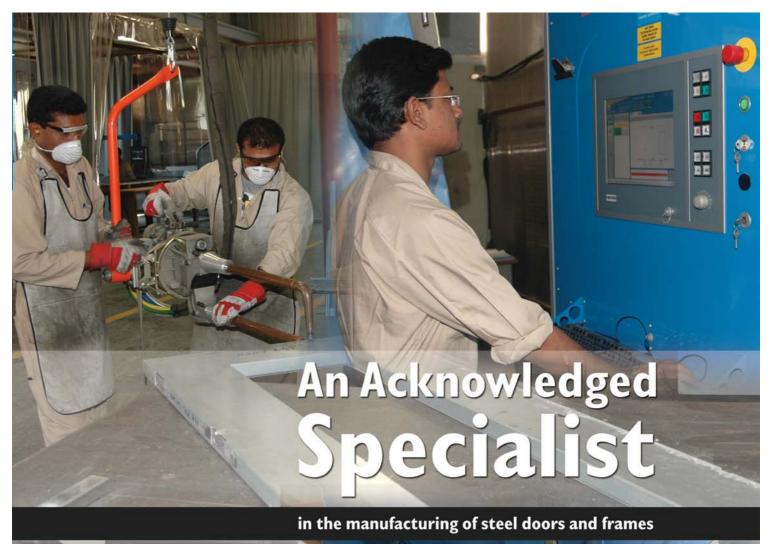
The Mr stainless steel doors and frames are chosen for their characteristics:

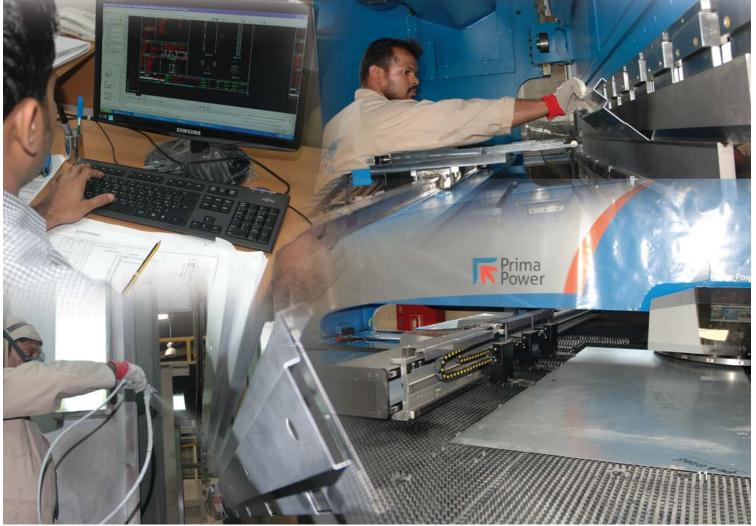
- Aesthetics;
- Excellent resistance to the corrosion and to chemicals:
- Heat and fire resistance;
- Easy maintenance.



Technical Specification







Standard Finish



Standard Finish



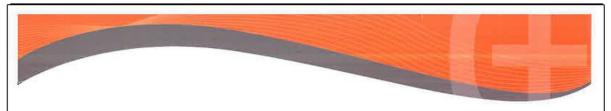
Certificates



Certificates



Certificates





Velosi Quality Management International LLC

hereby certifies that the management system of

Mechanical & Technical Solutions LLC

Head Office: C.R. 1050205, P.B 1020, P.C 112, Ruwi, Sultanate of Oman
Factory (Steel Door & Powder Coating Division): Plot No. 271 & 24, Saqsouq Industrial Area,
Barka, Sultanate of Oman
Factory (Metal Works Division): Plot No. 1002, 1003 & 312, Way No. 6426, Street No. 546, Ghala,
Muscat, Sultanate of Oman

has been audited and found to be in compliance with the requirements of

ISO 9001:2015 Quality Management System

for the Scope

Manufacturing of Fire rated and Non Fire Rated Steel Doors and Frames, Powder Coating and Wet Spray Application on Wide Range of Steel and Aluminium Products and Fabrication, Assembly and Installation of Architectural, Structural and Metal Works.

 Certificate No
 : C 331

 IAF/NACE code
 : 17,28/25,43

 Original Date
 : 27.09.2011

 Previous Expiry Date
 26.09.2017

 Re-certification Audit Dates
 07&08.03.2018

Current Date : 20.03.2018

Current Date : 20.03.2018 Expiry Date : 26.09.2020





ISO 9001:2015 C331 MGMT. SYS. CERTIFIED

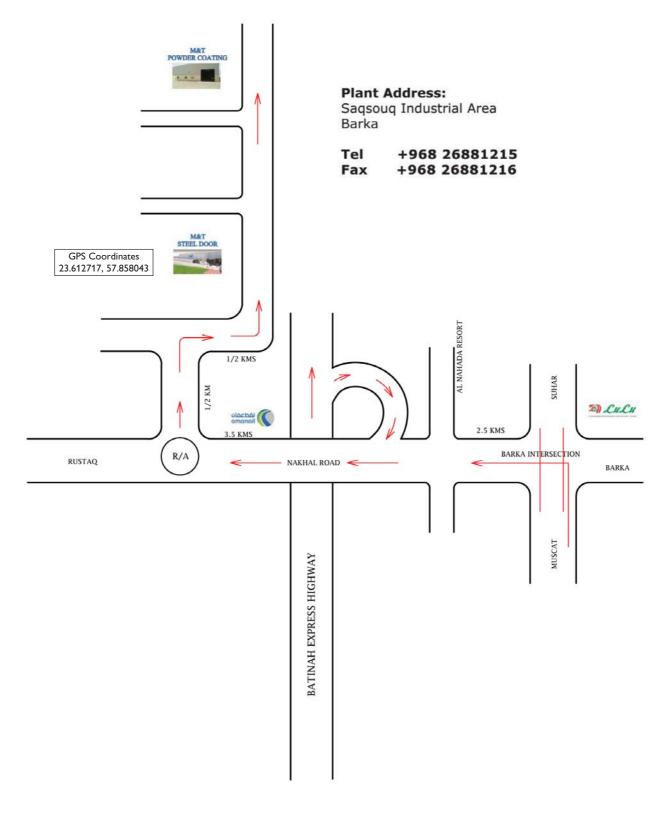


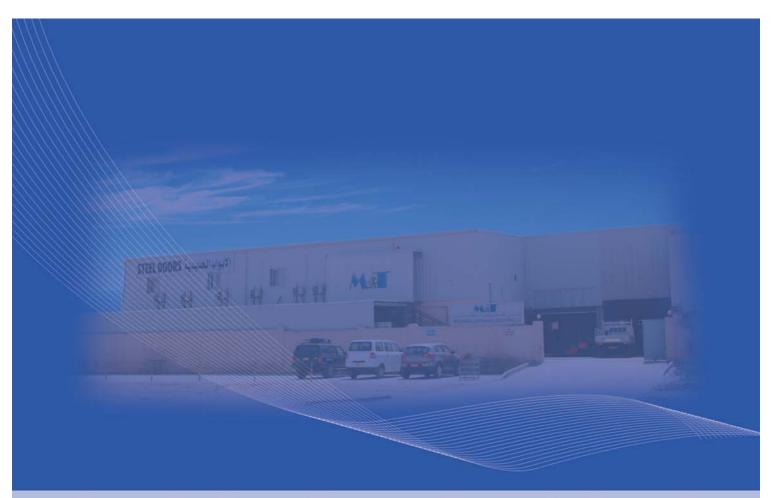
Brian Dawes General Manager

The certificate may be rendered invalid if there is any lack of fulfilment of conditions set out in the VQMI Rules of Certification

Correspondence Address: #205, Block 'B', Abu Dhabi Business Hub, P.O. Box: 114182, ICAD-I, Mussafah, Abu Dhabi (UAE)
Tel: 00971 2 5502600 Fax: 00971 2 5502601 Email: velosiqm@applusvelosi.com Web: www.vqmi.com

Plant Location Map







الحلول الميكانيكية والتقنية شمم

MECHANICAL & TECHNICAL SOLUTIONS LLC Steel Door & Powder Coating Division

Factory Address

P.O.Box 1020, Ruwi, 112, Sultanate of Oman Tel.: 00968 26881215, Fax: 00968 26881216 E-mail: info-sd@mechanical-technical.com

Export Division

E-mail: export@mechanical-technical.com Tel.: +968 99317867

You Tube http://www.youtube.com/user/MandTSD

www.mechanical-technical.com





Public Authority for Civil Defence and Ambulance (Sultanate of Oman)

Civil Defense

Civil Defense (State of Qatar) (Kingdom of Bahrain) **Civil Defense** (Dubai, UAE) Civil Defense (Iran)



