

DIAMOND DOORS



AMERICAN
TECHNOLOGY

- ☞ FIRE PROOF
- ☞ RUST PROOF
- ☞ THEFT PROOF
- ☞ HEAT INSULATED
- ☞ SHRINKAGE PROOF



STAR METAL FORMS PLtd

www.DiamondFlushDoors.COM

A complete galvanized Steel Flush Door



Security Doors for your Family

Main advantages

- * With all hardware & a variety of Attractive mountings & surface finishes.
- * Easy to essemble at the sites.
- * Saving in fright & protection against damage in transit & instalation
- * Insulated by Solid Polyurethane Foam (PUF)
- * Widelely used in Europe & America
- * Also availabel economic series



Company has

a quality assurance from below industries Standard

Member / Registered with :



Confederation of Indian Industry
Associated with OSG USA



United Nations
Procurement Division



Laboratory test by NABL

Indian Railways



Government of INDIA
Department of Atomic Energy



Certification Body
of TUV SUD South Asia Private Limited
Member of TUV SUD Group

Certification Body ISO 9001 - 2008

Certification can be obtained from below Bodies or Other



SMF doors are used in Resident



Security Steel Doors for Homes



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INTRODUCTION

Star Metal was incepted in the year 1999, and within a decade we have established our name amongst foremost security door manufacturers and suppliers in India. In addition, industrial door, wholesale wooden door and other sorts of doors are prime name in the market. With technology and quality as our forte, we are a leading manufacturer, exporter and supplier of a wide variety of galvanized steel doors, metal doors, wood doors, flush doors, panel doors, security doors, single & double doors, fire doors and garage doors, etc. Our products are renowned around the globe for their superior quality, unmatched strength, corrosion resistance, high tensile strength and smooth finish.

We at Star Metal are strengthened by a dedicated team of proficient engineers, mechanics and technicians with considerable industrial experience. Our state-of-the-art manufacturing unit is well-equipped to handle bulk orders customized to client specifications. We facilitate our consumers with the optional shapes and sizes according to their budget and purposes. In addition, we serve our products at the most reasonable prices in the market.



Our dedicated workforce of talented engineers and technicians are adept at understanding client needs and manufacture products that full fill those requirements precisely. We are renowned for making continuous adaptations and innovations and our engineers and workers undergo regular training to keep them abreast with the latest technical advancements. Our sophisticated R&D laboratory is forever engaged in making continuous innovations that enables us to offer better products to our esteemed clients. In addition, we continually upgrade our production plant and systems to remain one-step ahead of our competitors.

Moreover, we provide special packing to facilitate safe transport of our products across the globe. Our extensive distribution network ensures timely delivery around the world.

EXPORT

Our organization imported an automatic door line from USA and started production of insulated door entry system well known in USA under name FINESTRA Ohio. Guided by ethical and transparent business philosophy, we are committed to offer our clients complete satisfaction for their value of money. We believe in offering the best quality products to our clients spread across the globe such as ABUDHABI and SUDAN within stipulated frame of time within competitive rates.

APPLICATION AREAS

Our elaborate range of doors can be used as **Fire retardant doors**, **Security doors** and are ideal for **Insulation** purposes and for cold storage rooms. They can also be used as **Main doors in homes** and as an **Internal door for Bedrooms, Kitchens, Hospitals, Factories**, etc. Our widest arrays of products are highly acclaimed worldwide for its quality and price viability.



AIRTIGHT DOORS

Specialized Pharmaceutical Air Tight Doors

We present you the supreme quality airtight door, wood airtight door and many other doors. Our doors like airtight door are manufactured by using the best raw material that makes it stiff from its foundation. Our airtight door has extraordinary ability to resist in diverse conditions. Our products have successfully passed the assessments of perfection as per international standards. Our products' success has made us one of the prime names amongst airtight door manufacturers, and exporters in India.

We manufacture a wide range of Specialized Pharmaceutical Air Tight Doors. These Specialized Pharmaceutical Air Tight Doors are made up of silicon which makes it heat resistant. Our range of Specialized Pharmaceutical Air Tight Doors are supplied to the clients like, Medicine Lab, U./s. S.A. Pharmachem, Glaxo, Godrej, Pfizer and many more to name.

FIRE RETARDANT DOORS

Are you hunting for the best deal for the products like fire retardant door, fire proof door? If yes, then you have boarded at the right place where you will bliss by the supreme quality fire retardant door, fire proof door and other doors at the most reasonable price in the market. Our fire retardant door, fire proof door are highly durable and has extraordinary ability to hold in diverse condition. So what makes you waiting so long? just go out and cash in such an offer!

We manufacture Fire Retardant doors which are fire proof. We use special silicon based epoxy pack paint to make these doors fire resistant. These we use special silicon based epoxy pack paint.

These Fire Retardant Doors we manufacture are strong and are used for various industrial and commercial purposes, where the fire hazards are more.

SECURITY DOORS

Being one of the most reliable, garage security door manufacturers and exporters in India, we use the best quality raw material for production. With the latest techniques and equipments we produce best security entry door, steel security door, garage security doors etc. In addition, our security entry door, steel security door, garage security door and other products are at the lowest price than any of other brands in the market.

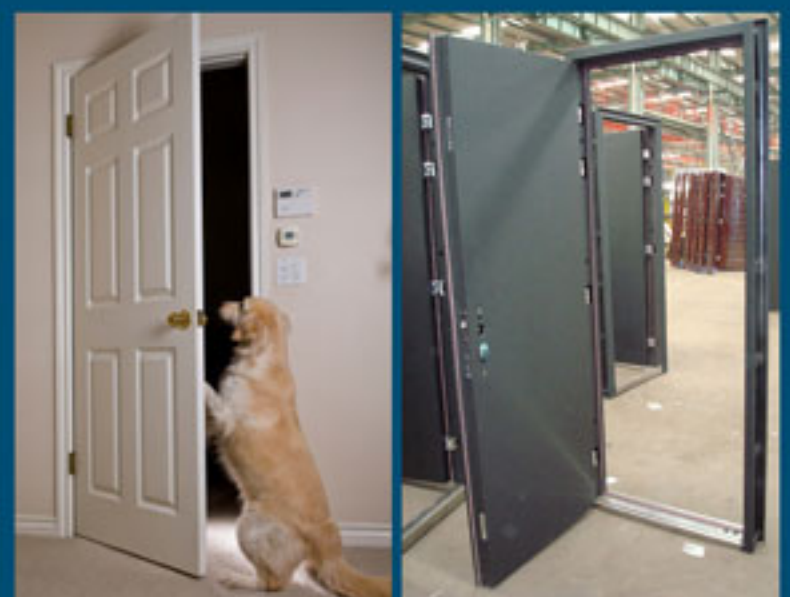
The Security Doors we manufacture are strong and durable. These Security Doors find their applications in generally in banks, hospitals, Main/Entrance door etc...



Pharmaceutical Air Tight Doors Ready for ISO Inspection at SMF Plant



With Panic Bar Left / Right Opening



Stylish Wooden looking Steel Security Door for Your Home

Industrial, High class Steel Security Door



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GALVANIZED FLUSH DOORS

We are proud to say that our organization is distinctly recognized amongst most innovative and reliable flush door manufacturers in India. Our galvanized flush door, aluminum flush door are made up very good raw material that leads long life of them. Our galvanized flush door, aluminum flush door are just amazing and will just captivate your attention. In addition, we proffer such a nice deal at the minimum market price without compromising any amount of quality.

We specialize in manufacturing a wide variety of Galvanized Flush doors, with a capacity to with stand 1200 degree heat. Our range includes frames & shutters with all hard wares & in various surface finishes. These doors are made up of Galvanized Steel Sheets, which undergoes through a series of processes like :-

- Cutting the sheet on required size vertically & horizontally
- Edges notching
- Changing the notched surface inward
- Roll forming
- Edge bending
- Cleaning the surface
- Fixing of treated wooden pieces for hard wares
- Snap fitting of both skins
- Loading in the PUF filling chamber & PUF filling.



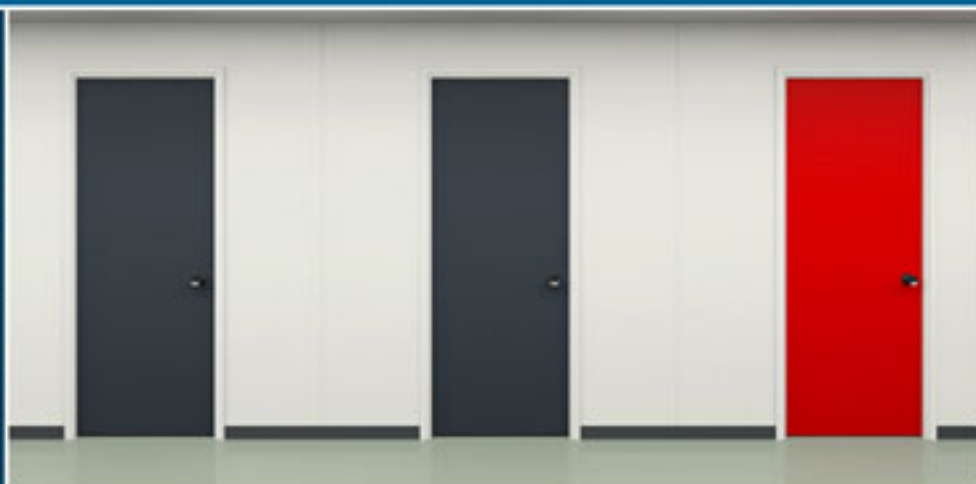
With a very little human involvement, the whole process is carried out while the sheet is moves through a conveyor belt. For that reason, there is no scope for any welding job.

The doors we manufacture are available in following specifications-

- Made of G. I. Sheet H. M. P. S. (100 x 50) section in 18 / 20 gauge with 6 nos. hold fast.
- Made out of .60 mm G. I. Sheets on both side shutter construction by roll forming and snap fitted edges.
- Thermal barrier between 2 snap joints to avoid metal to metal contact.
- No welded joints any where in the shutter.
- PUF insulated core for rigidity and strength.
- Wooden inserts for fixing hard wares.
- Seasoned & treated wooden Inserts as & where required lor fitting

To manufacture our range of Galvanized Flush doors, we use two packs of epoxy primer which makes it abrasion and chemical resistant, giving it high bonding strength and making it strong and odor-free.

These doors are available in a wide spectrum of colours. The paint used to colour the door gives full protection against UV rays. Our Galvanized Flush doors are available in the height of 2and half to 8 meter and width of 2ft to 4 meter.





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DIAMOND DOORS

A complete galvanized Steel Flush Door including frame & shutter with all hardware & a variety of attractive mountings & surface finishes.

Available fully assembled or Completely Knocked Down (CKD) position for easy transport.

Easy to assemble at the sites like the builders world – over do.

Saving in freight & protection against damage in transit & installation

CORE MATERIAL

Insulated by Solid Polyurethane Foam (PUF) like in a refrigerator door but in doors it comes in solid forms. We also use different Core materials according to client need like Thermocole, Honeycomb etc ...

*Such Flush Doors are widely used in Europe & America.

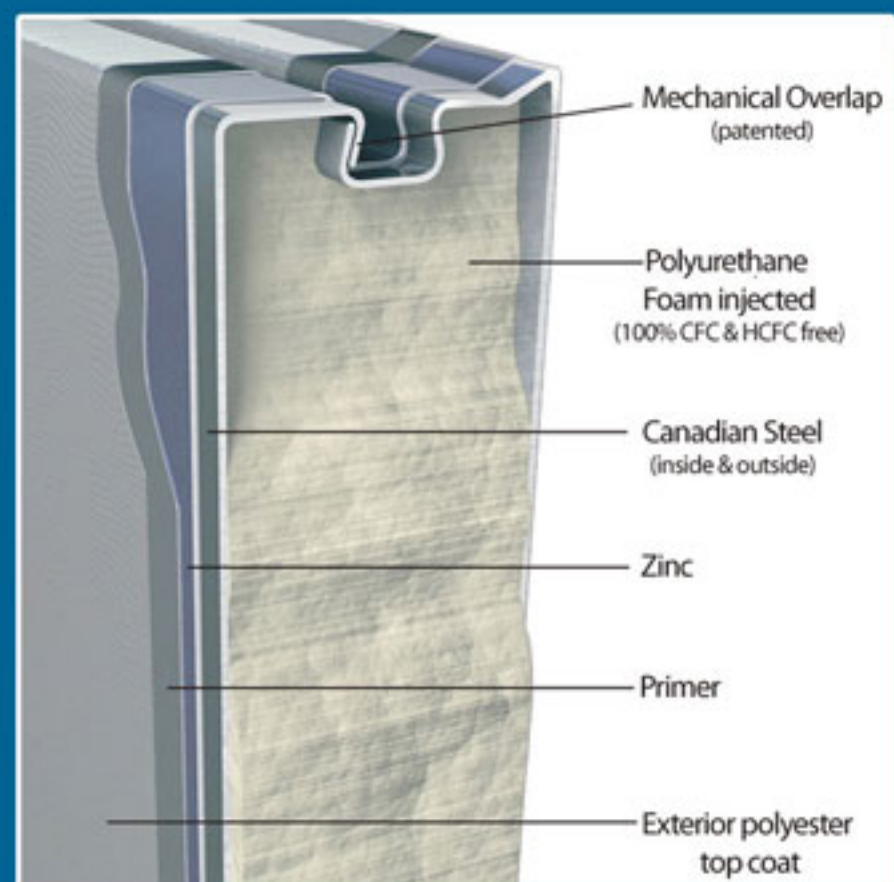
*Ideal for Residences, Hospitals, Air-conditioned Rooms, Schools & Public buildings, 5 star, 3 star hotels.

*Also available economic series, using epoxy two pack primer for your interior colours.

*Also available special pharmaceutical doors.

TECHNICAL DETAILS

- Entirely made from galvanized steel sheets of .6 mm 1 mm & 1.2 mm of best quality.
- Doors with/without Frames separately.
- Entirely made on American Automatic Plant with capacity up to 500 doors per day. The automation ensures BEST QUALITY & PRECEISE MEASUREMENTS.
- White ant proof & unaffected by any other insects, rat can cut wooden or plastic doors but not "DIAMOND" steel flush doors
- Fire cannot spread through these doors for hours.
- Also used for medical plants incorporated by special rubber beading & sealant.
- No warping or shrinking in any weather.





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HARDWARE

- Available with detachable hinges specially design with SS 304 PIN. This hinges do not need any slots, welding & very easy to align FFL .
- S.S. Chrome plated Aldrops & Handles
- Mortise locks / Night latch of specified make.
- Door closer on the top & stoppers at the bottom can also be ordered.

You have a choice to use your own hardware except our hinges. Wooden supports for fixing these hardware are normally provided in the cavity of the shutter with paper templates indicators pasted on the surface showing the position of these supports. In case of ordering CKD shutters in a kit form screw in the holes will be prefixed or supplied separately as desired.

SURFACE FINISHES

-The galvanized frame & shutter can be supplied with either of this options:

- a. Powder / Powder Metal Coating.
- b. PU primer paint.
- c. Epoxy primer paint.



- d. PVC film lamination with wood grain bonded on GI surface by special adhesives. (Backing or air drying methods are used)
- e. Other Skins are also available to give elegance look to your door



QUALITY ASSURANCE

We strictly follow German module of ISO. So our team remains 100% committed to Quality assurance.

Every piece is thoroughly checked before packing & dispatch.

PACKING : Suitably packed for road/sea worthy.

DESPATCH : Dispatched uninsured / total transport loss insurance for Rod/Rail/Marine transport



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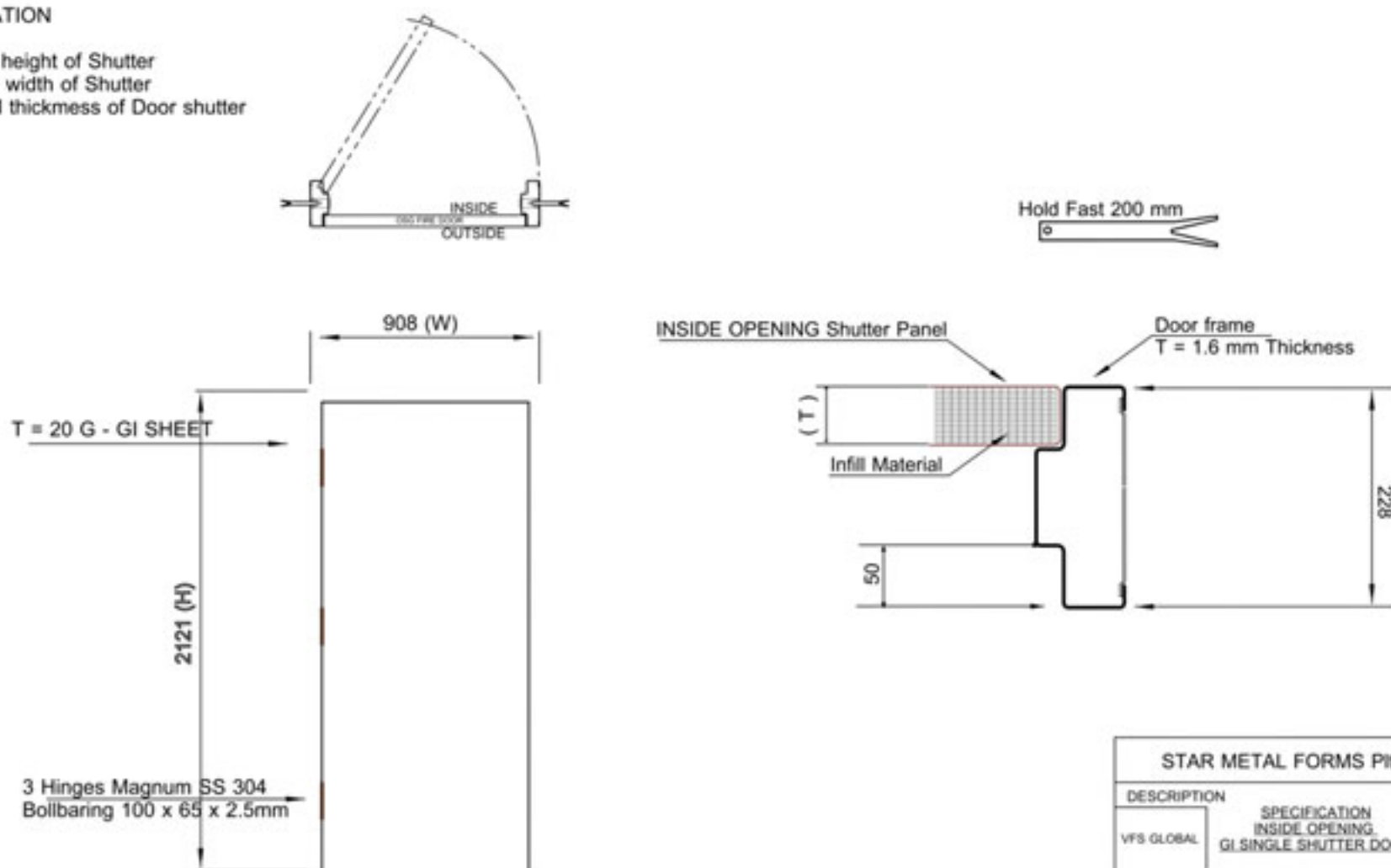
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SAMPLE SPECIFICATION OF DOORS FROM OUR CLIENTS

Inside Opening GI Sheet Single Shutter Door.

SPECIFICATION

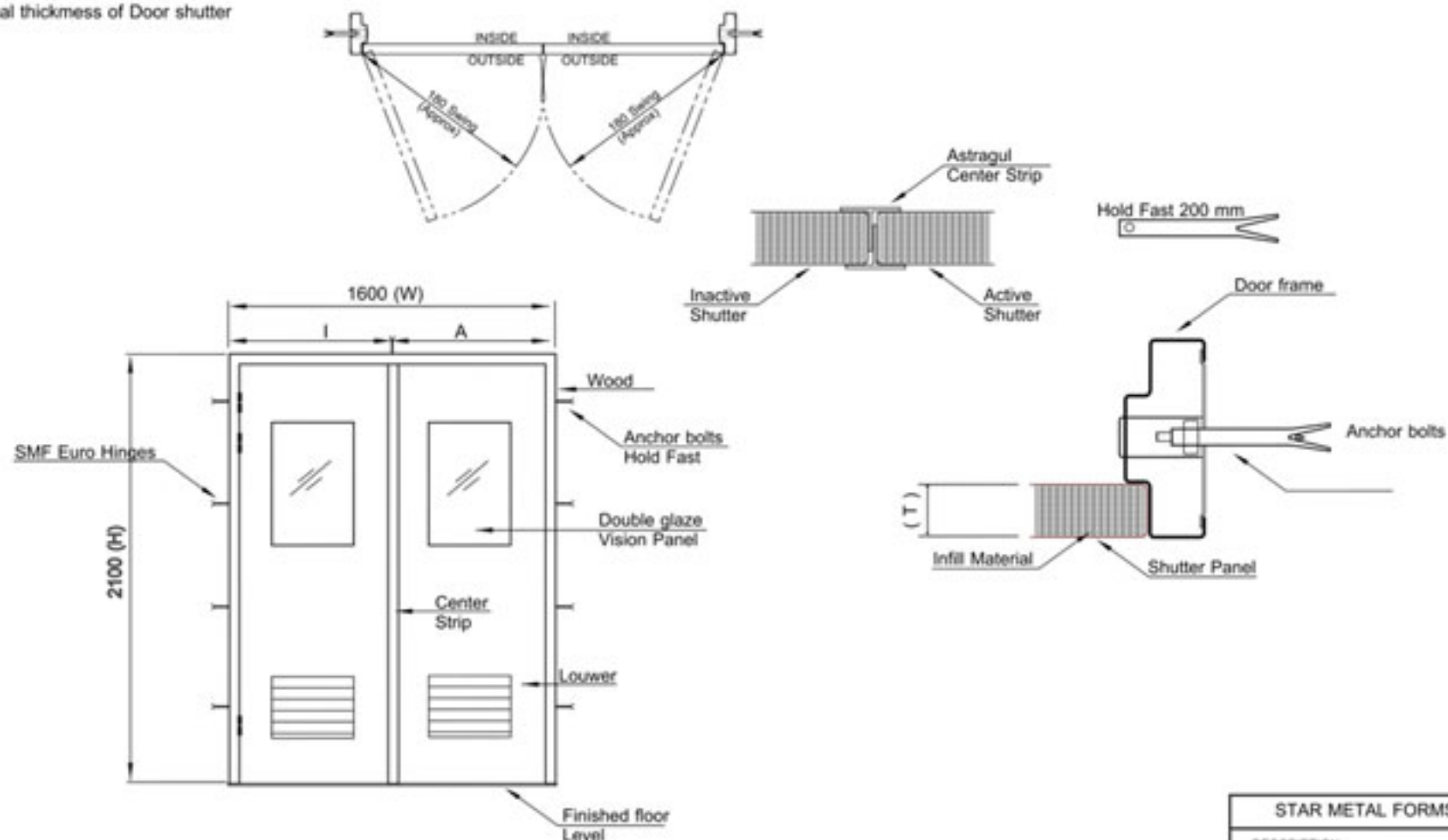
H - Overall height of Shutter
W - Overall width of Shutter
T - Nominal thickness of Door shutter



GI Sheet Double Shutter Pharmaceutical Air Tight Door

SPECIFICATION

H - Overall height of Door Frame
W - Overall width of Door Frame
T - Nominal thickness of Door shutter
A = I





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✓ I saw you brochure But I want to know who are your clients ?

Good Question. any manufacture known for there quality and commitment from there cliental list, and I proudly say that we have Indias most reputed clients who are known for there Zero tolerance as far as quality is concern. I am just giving few names :

Medicine Lab, U./s. S.A. Pharmachem, Glaxo, Godrej, Pfizer, Atomic Research, Indian Railways, US Embassy (VFS GLOBAL) BHABHA AUTOMIC RESEARCH CENTRE-Kalpakaram, CPWD, P&T, MES, AIRFORCE, CAT PROJECTS, NTPC AT TARAPUR AND MUMBAI, L&T Ltd.,GROUP ENGINEERING CORPORATION, RAGASUMUM CONTRACTERS, MATA AMRUTANANDMAYI MATH, A.V.PANDHE, M/s ISPAT, TATA, Reliance, Jindal Steel etc. Are our valuable costumers.

✓ Impressive, did you win any award which you should be proud of ?

We also pride in informing you that we are only company in india to receive EXPORT RECOGNATION AWARD from Eng.Export promotion council for steel doors and windows

✓ If I contact these Client will they recommend you?

Yes Please, you can contact them any time, Infact we have already taken letter of satisfaction and quality from few big companies.

✓ Do you manufacture fire proof doors for electrical substation?, if so what are the material composition ?

YES. Frame is made of 1.2mm sheet. Profile=145 x 65 x 1.00. (or Your requirement) Shutter is made of 1.00mm.Thickness= 44.5 mm. Both will be Galvanized steel sheets of best quality.

✓ What is the time required manufacturing and delivering 25 numbers in GCC ?

Normally one day. But lead-time is 8 to 10 weeks. This can be adjusted mutually

✓ Do your interior doors come in varying thicknesses ?

Yes please. We make ANY thickness and Width and Height. Feel comfortable to tell us your architect's vision. We will fulfill it.

✓ Are the galvanized doors 'outer doors'?

Yes. As a matter of fact all security or/and safety or/and thermal and sound insulating doors that will last for years and years to come are refereed to be Galvanized steel doors.

✓ What about Security of my Work Premises and considering home then security of my family?

Security: Nothing can match steel for security strength. We produce bullet proof / blast proof doors with steel ONLY.

Safety : Lets take fire doors. Steel has melting temperature of above 1200 degree C. This with special in fill material can give 100% safe fire doors.

Thermal and sound insulation: Steel as outer shell and PUF as infill material, Forms **Cold insulating doors** : for ice cold weather (minus 40 degree C).

Similarly heat insulation PUF can be the best material with steel shell up to 85 degree C.

✓ Please let us know what you can offer. We are open to suggestions.

We can offer you Galvanized steel doors with PUF insulation material for internal and main door. Internal doors will be Frame of 1.00 mm. Shutter shell of 0.6mm having thickness of 35mm. filled with PUF.Outer door frame can be 1 or 1.2 mm , double rebate to accommodate outer most petty thieves preventer with grill. Shutter will be 1.2 mm thick sheet shell. Thickness of the door will be 35 / 45 mm as per your security level. (we can work out this)

✓ The only problem with steel doors is that it RUSTS.

This is totally eliminated by having

(1) Galvanized steel sheet

(2) Painting the door with Two pack system EPOXY primer. And the primer is acid proof too.

✓ Please do also give the per sq/ft

Internal doors usually start From US\$ 30/sq. foot onward.

Outer doors for higher security level will Start from US\$ 40/ sq.foot.

✓ The options you suggest ?

We can suggest you something very economical door for internal application. Please do not hesitate to call or email me for any information or doubt you would like to clear.



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Production Flowchart of our automated door assembly line



**AUTO ROLL
FORMATION**

**WASHING &
INTERNAL
CLEANING**

**HINGFLAT
WELDING**

**ASSEMBLY &
SHEET FIXING**

WELDING

**AUTO
GRINDING**

PUNCHING

**SHERING
2**

**SHERING
1**

LOADING



TAPPING

PAINTING

**QUALITY
CONTROL**

PACKING

DISPATCH

STORAGE

