



BHAWANI FIRE

A house of complete Fire Exit Solutions



Bhawani Fire Protection Pvt. Ltd.



From THE FOUNDER'S DESK

Since its inception in 2000, **Bhawani Fire Protection Pvt. Ltd.** was conceived as a visionary initiative in the fire protection industry. The journey began with challenges, but our drive for innovation and process transformation set us apart. Over the years, we've consistently focused on enhancing our services, elevating customer standards—both internally and externally—and leveraging technology to maximize customer satisfaction.

Our unwavering commitment to quality has propelled us to achieve new milestones and scale greater heights each year. Bhawani's solutions rival international standards, with every product rigorously tested at reputed labs nationwide and globally.

Customers are at the heart of our success; their support has powered our ongoing quest for service excellence. For over two decades, our single-window approach ensures comprehensive, reliable, and timely passive fire solutions tailored for every project. We take pride in not just serving, but educating our valued clients about fire protection—considering it a professional and moral responsibility.

Guided by core values, our organization is aligned with sensitivity to customer needs. We strive always to deliver beyond expectations through our attitude, behavior, actions, and service promise.

Rest assured, you have our best attention—now and always.

Jitendra Kr. Sharma
Managing Director



Our Products :

- ∞ Metal Fire Door/Wooden Fire Rated Doors
- ∞ Glazed Fire Rated Doors/Fire Rated Glazed Fixed Partition
- ∞ Steel/Wooden Lead Line Doors/Clean Room Doors
- ∞ Wood-Finish Metal Doors
- ∞ Rolling Shutters
- ∞ Pressed Steel Frames
- ∞ Sliding Windows
- ∞ Pressed Steel Windows



Wood Finish Metal Door

Specifications

- Door Type : HMPS Doors
- Shutter Thickness : 38MM / 46mm
- Frame Type : Single Rebate
Double Rebate

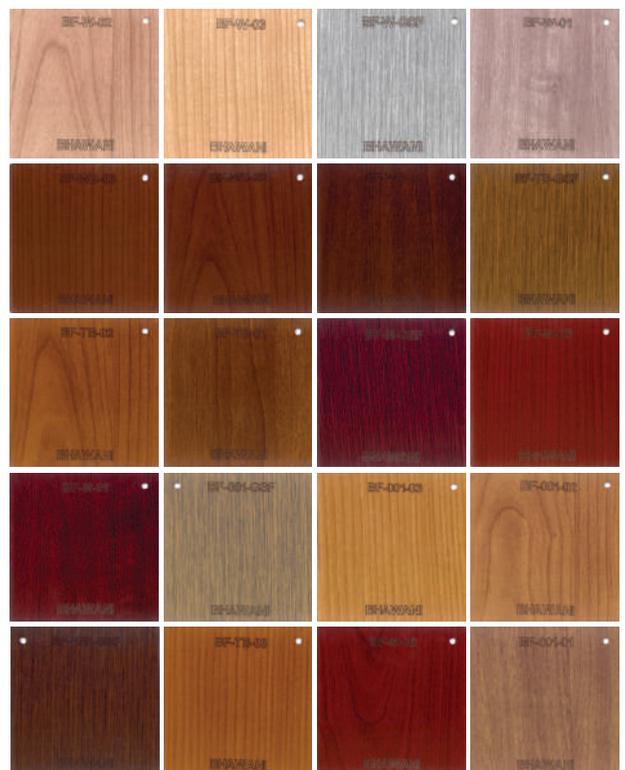
Construction Details

- ∞ Galvanized Steel pressed to form profiles
- ∞ Frame Thickness: Frame Sheet Thickness
1mm / 1.20mm / 1.60mm Hollow Metal Pressed Steel
- ∞ Shutter Sheet Thickness
0.60mm / 0.80mm / 1mm / 1.20mm

Recommended Hardware

- ∞ SS304 Ball Bearing Hinges
- ∞ Door Closer
- ∞ Mortise Sash Lock Set with Lever Handle

Recommended Finishes





Fire Rated Metal Door

Specifications

- Door Type : 120 min. Fire Rated Metal Door
Door classification: FD120-PI & FD120-UD
Shutter Thickness : 46mm / 60mm
Testing Criteria : Stability, Integrity and Insulation
Testing Standards : IS 3614 - 2021

Construction Details

- ∞ Galvanized Steel pressed to form profiles.
- ∞ Frames are manufactured with 1.20mm or 1.60mm thick galvanized steel sheets of 120gsm zinc coating thickness.
- ∞ Door Shutters are manufactured with 1.20mm thick galvanized steel sheets of 120gsm zinc coating thickness.
- ∞ Doors are provisioned with pre-punched slots for all operational ironmongery.

Recommended Hardware

- ∞ Fire Rated SS304 Ball Bearing Hinges
- ∞ Fire Rated Door Closer
- ∞ Panic Exit devices for exits
- ∞ Mortise Locks with latches for lockable spaces

Recommended Finishes

- ∞ Powder Coating in desired RAL Shade Code
- ∞ Selective Wood Grain Finishes through sublimation process



Wooden Fire Rated Door Specifications

Door Type	: Wooden Fire Rated Door
Fire Rating	: 60mins Fire Rated / 120mins Fire Rated
Thickness Criteria	: 50mm / 55mm / 45mm
Testing Standards	: Stability and Integrity With Insulation
Frame Size	: IS 3614 : 2021

Construction Details

- ∞ Wooden door Frame made out of Hardwood Mirandi / Teakwood / Ivory coast Teak as per requirement.
- ∞ Door Shutter - Internal Frame made of Hardwood Teak with facing of 3mm thick commercial ply or veneered ply on both face.
- ∞ Shutter Insulation - Sandwich type Fire rated mineral wool insulation treated with fire retardant paint & Calcium silicate board.
- ∞ Vision Panel - 1hr / 2hrs. Fire rated clear Glass.
- ∞ Shutter Thickness - 50mm / 55mm / 45mm
- ∞ Intumescent fire and smoke seal 20 X 4mm and 10 X 4mm at all three sides of door frame and shutters except bottom.

Recommended Hardware

- ∞ SS304 Ball Bearing Hinges
- ∞ Fire Rated Door Closer
- ∞ Panic Exit Devices for Exit doors

Recommended Finishes

- ∞ Desired Laminate Shades, Paint/Veeneer



Openable Metal Glazed Window

Specifications

Construction Details

Frame Profile : 100x45mm Single Rebate / 125x45mm Double Rebate

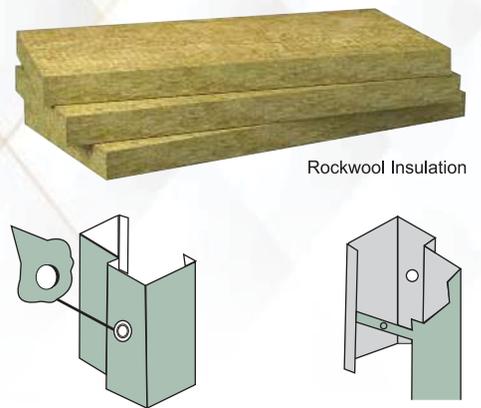
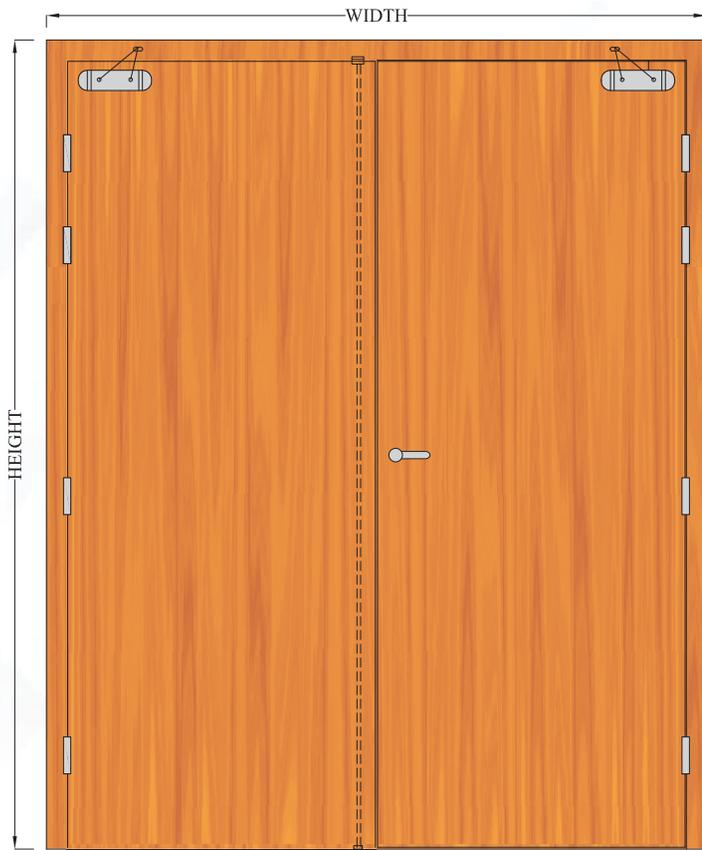
Frame Sheet Thickness : 1mm / 1.20mm Galvanized Steel

Shutter Thickness : 46mm / 35mm

Shutter Sheet Thickness : 0.60mm / 0.80mm Galvanized Steel

Recommended Finishes

- ∞ Powder Coated (RAL Standard)
- ∞ Wooden Finish



Wooden Lead Lined Door

Specifications

Door Type	: Wooden Lead Lined Door
Criteria	: Radiation Protected
Door Thickness	: 48mm
Standards	: AERB/DRS
Application	: Radiology & Nuclear Medicine

Construction Details

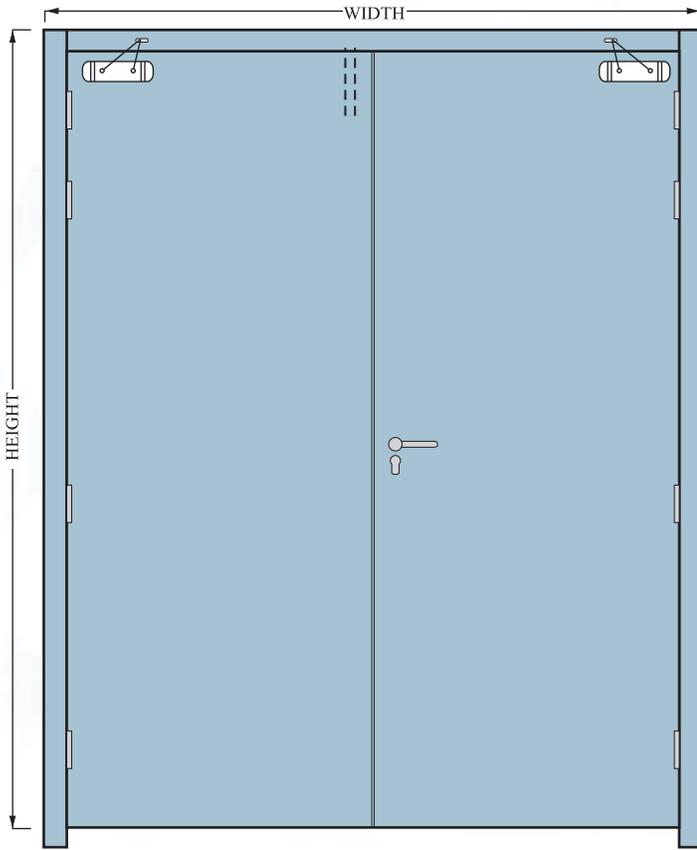
- ∞ Wooden Frame Profile Design - Hardwood Red Mirandi/ Teakwood of section 120x70 with 2mm lead sheet sandwiched or pressed steel door frame profile - Single rebated 100x57x1.20mm Galvanized Steel Sheet.
- ∞ Hardwood Internal Timber frame work
- ∞ 2mm (± 1) lead sheet with 99% purity
- ∞ Shutter thickness with commercial ply, board & limitation both side - 4mm x 2mm Galvanised Steel.
- ∞ Vision panel if required shall be of lead glass only.

Recommended Hardware

- ∞ SS304 Ball Bearing Hinges
- ∞ Door Closer
- ∞ Mortise Locks

Optional Hardware

- ∞ Dead Lock Set with Cylinder- Complete with D Shape Pull Handle for Push / Pull Operations
- ∞ Sash Lock with Cylinder - Complete with Lever Handle for Push / Pull Operations



Steel Lead Lined Door

Specifications

Door Type	: Steel Lead Lined Door
Criteria	: Nuclear/Radiation Protected
Rating	: Not Applicable
Door Thickness	: 48mm
Application	: Radiology & Nuclear Medicine

Construction Details

- ∞ Pressed Steel Frame Profile Design - Single Rebate / Double Rebate
- ∞ Frame Manufactured with 1.20mm Galvanized Steel
- ∞ Shutter Thickness - 48mm
- ∞ Shutter Infill - Mineral Wool Insulation with 2mm Thick Lead Sheet

Recommended Hardware

- ∞ SS304 Ball Bearing Hinges
- ∞ Door Closer
- ∞ Mortise Locks

Optional Hardware

- ∞ Powder Coating in desired RAL Shade Code
- ∞ Selective Wood Grain Finishes available



Glazed Metal Fire Rated Door

Specifications

Door Type	: Glazed Metal Fire Rated Door
Fire Rating Door	: 120 mins
Frame	: 1.60 mm Galvanized Steel
Shutter	: 1.60 mm Galvanized Steel
Thickness	: 60mm
Criteria	: Stability and Integrity with Insulation
Testing Standards	: IS 16947 : 2018
Glazings	: 2hrs. Fire Rated inter-layered glass with 30minutes insulation
Shutter Infill	: Mineral Wo.ol Insulation

Recommended Hardware

- ∞ Fire Rated SS304 Ball Bearing Hinges
- ∞ Fire Rated Door Closer
- ∞ Panic Exit Devices for Exit Doors

Optional Hardware

- ∞ Mortise Dead Lock Set with Cylinder- complete with D Shape Pull handle for Push & Pull Operations
- ∞ Mortise Sash Lock with Cylinder - Complete with Lever Handle for Push / Pull Operation

Recommended Finishes

- ∞ Powder Coating in desired RAL Shade Code
- ∞ Selective Wood Grain Finishes available



HMPS Doors (Hollow Metal Pressed Steel Door)

Specifications

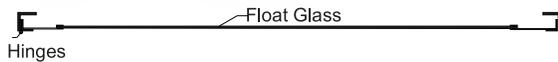
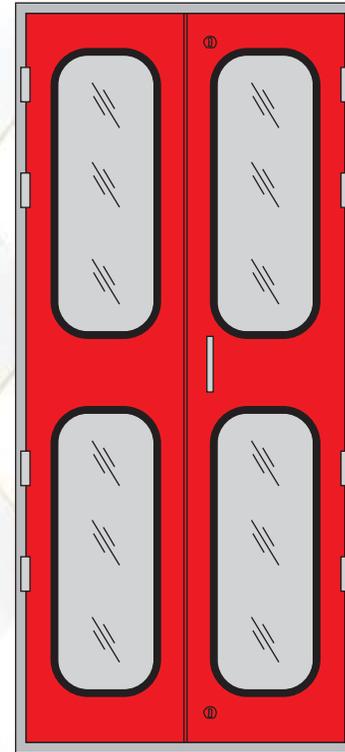
Door Type	: HMPS Doors
Shutter Thickness	: 38mm / 46 mm
Frame Size	: Single Rebate
	: Double Rebate

Construction Details

- ∞ Pressed Steel Frame Profile Design
- ∞ Frame Sheet Thickness - 1mm / 1.20mm / 1.60mm Galvanized Steel
- ∞ Shutter Sheet Thickness - 0.60mm / 0.80mm / 1mm / 1.20mm Galvanized Steel
- ∞ Shutter Thickness - 35mm / 46 mm
- ∞ Finish : Powder Coated as per RAL Standard Shades

Recommended Hardware

- ∞ SS304 Ball Bearing Hinges
- ∞ Door Closer
- ∞ Tower / Flush Bolt
- ∞ Mortise Dead Lock Set with Cylinder - Complete with D Shape Pull handle for Push / Pull Operations
- ∞ Mortise Sash Lock with Cylinder - Complete with Lever Handle for Push / Pull Operations



Fire Hose Cabinet Doors

Specifications

- Door Frame : Angle Iron 40x40x5mm or 100x50mmx1.20mm / 1.60mm Pressed Steel Frame
- Door Shutter : 25x25x3mm or 28mm Pressed Steel with Single Sheet of 1.20mm / 1.60mm Thick Galvanized Steel
- Finish : Powder Coated as per Standard RAL Shades
- Vision Glass : 4mm / 5mm Thick Float glass

Construction Details

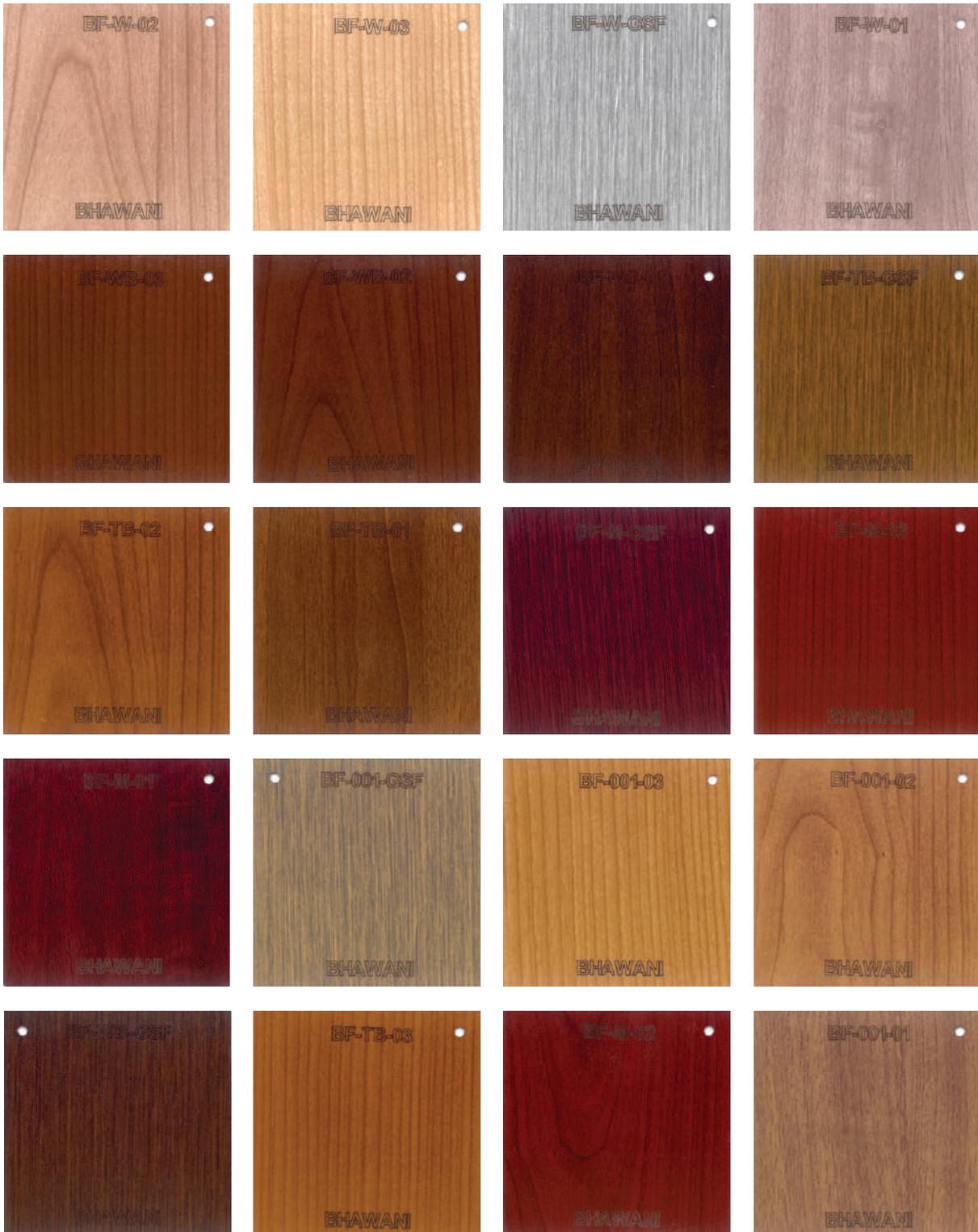
- ∞ Pressed Steel Frame Profile Design
- ∞ Frame Sheet Thickness - 1.20mm / 1.60mm Galvanized Steel
- ∞ Shutter Sheet Thickness - 1.20mm Galvanized Steel
- ∞ Shutter Thickness - 28mm
- ∞ Finish : Powder Coated as per RAL Standard Shades

Recommended Hardware

- ∞ M.S Butt Hinges : 4"x2.5 mm ISI Marked
- ∞ Concealed Handle
- ∞ Allen Key Lock

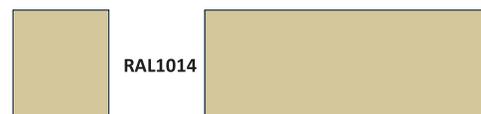
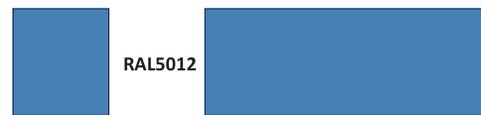


STANDARD WOODGRAIN FINISHES





STANDARD RAL FINISHES





TESTED AND COMPLIANT



Standard : IS 3614 : 2021
Product : 120 Minutes Fire Rated Metal Door with 30 Minutes Insulation
Lab : **CBRI, Roorkee**
Date : 28th April, 2025



Standard : IS 16947 : 2018
Product : 120 Minutes Fire Rated Glazed Door with 30 Minutes Insulation
Lab : **Eurofins (NABL)**
Date : 10th October, 2025



Standard : IS 3614 : 2021
Product : 120 Minutes Fire Rated Metal Door (Un-insulated)
Lab : **CBRI, Roorkee**
Date : 16th October, 2025



Standard : IS 16947 : 2018
Product : 120 Minutes Fire Rated Glazed Door with 30 Minutes Insulation
Lab : **CBRI, Roorkee**
Date : 18th July, 2025



Standard : IS 16947 : 2018
Product : 120 Minutes Fire Rated Glazed Door with 30 Minutes Insulation
Lab : **CBRI, Roorkee**
Date : 29th July, 2025



Standard : IS 3614 : 2021
Product : 120 Minutes Fire Rated Metal Door with 30 Minutes Insulation
Lab : **Eurofins (NABL)**
Date : 5th September, 2025



Standard : IS 16947 : 2018
Product : 120 Minutes Fire Rated Glazed Door with 30 Minutes Insulation
Lab : **Eurofins (NABL)**
Date : 4th October, 2025



Standard : IS 3614 : 2021
Product : 120 Minutes Metal Fire Rated Door with 30 Minutes Insulation
Lab : **CBRI, Roorkee**
Date : 11th February, 2022



HARDWARE



Some of our esteemed clients are:





PROJECT GALLERY



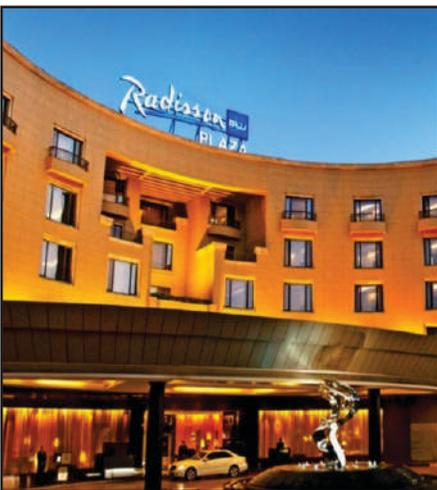
ADANI M2K



SUPREME COURT OF INDIA



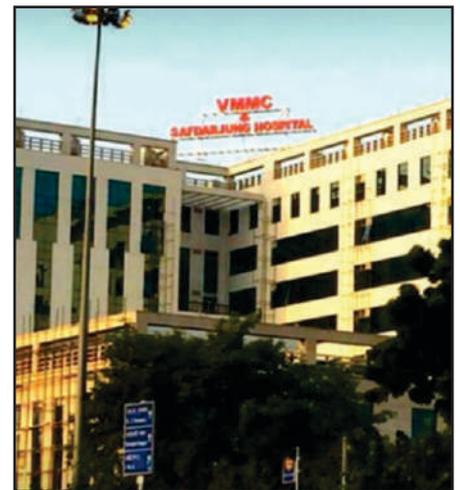
TATA PRIMANTI- TATA HOUSING



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SAFDARJUNG HOSPITAL



Atmosphere, Mumbai



IIT Bombay



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PROJECT GALLERY



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DB MALL, BHOPAL



OP JINDAL UNIVERSITY, SONEPAT



GPRA, SAROJINI NAGAR



M3M CAPITAL WALK



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