



Rawji Industrial Corporation



MOULDED DOORS



Plain
Smooth Finish



Plain
Leather Finish



Plain
Woodgrain Finish



Single Panel
Woodgrain Finish



2 Panel
Woodgrain Finish



2 Panel Arch
Woodgrain Finish



3 Panel Arch
Woodgrain Finish



3 Panel Square
Woodgrain Finish



4 Panel
Woodgrain Finish



4 Panel Arch
Woodgrain Finish

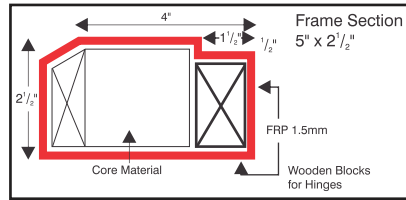
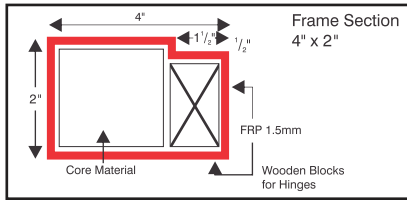


6 Panel
Woodgrain Finish

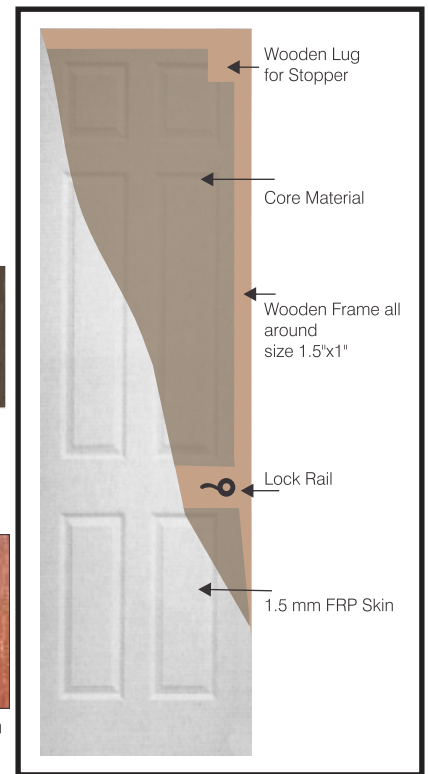


Doors with Glass

FRP Door Frame



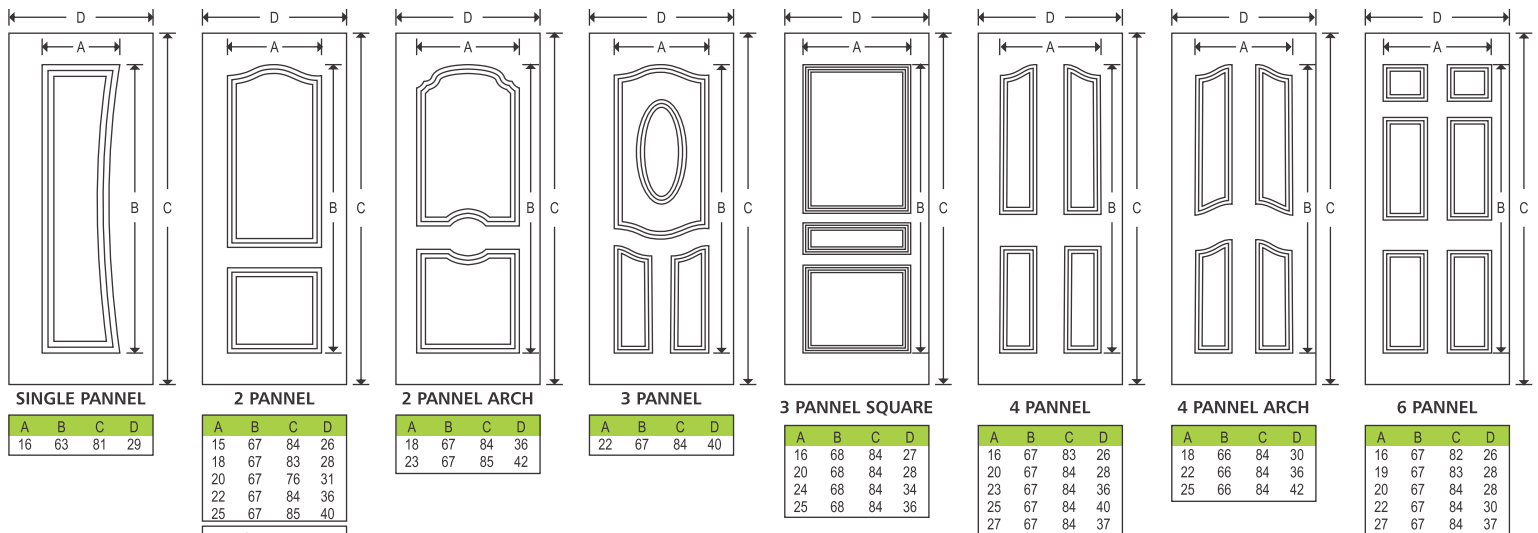
Cross Section View



SOLID COLOURS



VENEER COLOURS



	Max Length	Max Width
PLAIN SMOOTH	96	48
PLAIN LEATHER	96	48
PLAIN GRAIN	96	48

** all sizes are in inches

SPECIFICATIONS FOR FRP DOORS

- 1.5mm thick F.R.P. Skin is moulded with the Core Material forming a Sandwich Panel. Necessary wooden supports are provided for fixing the Handles, Locks, Stoppers and other accessories.
- The door is Self-Pigmented and available in colour of your choice. Also available in veneer finish.
- Doors available in smooth / mat / veneer finish.
- The standard door thickness is 30/35 mm.
- Doors available with fire retardant properties.

ADVANTAGES FOR FRP DOORS

- The fixing is simple as conventional Wooden Doors and can be fixed on any door frame.
- The doors are free from swelling, warping or splitting & have good impact resistance.
- The doors have no effect of water, insects or termites and have excellent weathering properties.
- F.R.P. doors have a significantly lower coefficient of thermal expansion compared to Wooden Doors, allowing doors and frames to be manufactured to a tight tolerance.



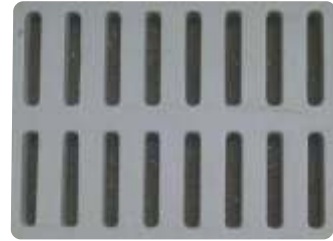
FRP/GRP MANHOLE COVERS



Square
600 mm X 600 mm



Square Grating
600 mm X 600 mm



Rectangle Grating
600 mm X 450 mm



Square
400 mm X 400 mm



Square
300 mm X 300 mm



Water Tank Cover
600 mm Dia



Rectangle
900 mm X 450 mm



Circular
530 mm Dia



Circular
600 mm Dia



Pultruded Gratings



Moulded Gratings

STANDARD SPECIFICATIONS :

FRP Manhole Covers are made using thermoset material for long term durability . The material comprises of cross-linked polyesters combined with Fibreglass reinforced materials to sustain against wear-n-tear for heavy load vehicular traffic. It is 40% lighter than traditional Precast Concrete and Cast Iron covers. Provides upto 5 times more compressive strength. This resilient material withstands constant exposure to weather or sun without sacrificing security or aesthetics.

STANDARD SIZES AVAILABLE :

SQUARE :

450mm x 450mm
600mm x 600mm
900mm x 900mm

RECTANGLE :

450mm x 600mm
450mm x 900mm
600mm x 900mm
900mm x 1200mm

GULLY GRATING:

450mm x 450mm
600mm x 600mm

ROUND :

530mm Dia Clear opening
600mm Dia Clear Opening

★ Custom Sizes Available on Request ★



FRP Manhole Covers Comparison Table

PARAMETER	RCC	CI	RAWJI FRP Covers
Life Span	Low	Moderate	High
Strength/Weight Ratio	Very Low	Moderate	Very High
Cost	Low	Moderate	Comparable to CI
Scrap Value	Low	High	Nil (Zero Scrap Value)
Colour Range	Concrete Grey	Black	Range Available
Logo Embossing	Not Available	Not Available	Possible
Custom Design / Size	Not Available	Not Available	Possible
Handling	Difficult	Difficult	Easy
Thermal Expansion	Negligible	High	Nil
Corrosion Resistance	Low	Medium	High
Abrasion Resistance	None	None	Yes

SCNo.	वर्णन व/वा Name of the Test	संदर्भ निकाय Standard Specification	प्रयोग निकाय Actual Sample Results	टिप्पणी Remarks
1	Compressive Load Test at 20Tm for 30seconds	---	D.O.T.08/03/10 Applied compressive load up to 100kN (20Tm) & kept for 30 seconds. After the test observed no any crack or fracture of the sample. Passed OK.	---
2	Weight Test	---	60kg	---

Advantages

- Free from theft Easy to handle and No risk of injury due to light weight.
- Does not rust due to chemical / sewage / rain water.
- High service life as it does not corrode and has high impact resistance.
- High on aesthetics. The covers are self pigmented and do not require periodical painting for maintenance.
- The pigments are built in the material and UV stabilized. Hence there is no peeling/ fading of the colours due to sunlight.
- Resistant to extreme temperatures.

PRE-FABRICATED CABINS



Two Persons Cabin

Size: 1.83m X 1.20m X 2.40m (ht)



Site Office

Size: 3.00m X 2.50m X 2.40m (ht)



Single Person Cabin

Size: 1.20m X 1.20m X 2.40m (ht)



Single Person Cabin

Size: 1.00m X 0.90m X 2.10m (ht)



Toilet Cabin

Size: 1.20m X 1.20m X 2.40m (ht)



Operator's Cabin



Touch Screen Kiosk



Wall Mounted Telephone Booth



Telephone Booth



Internet Kiosk

SPECIFICATIONS OF FRP CABINS

- Size : As per customers requirement.
- Walls : The Cabin walls are made of F.R.P. Sandwich pannels. The pannels are made of 1.5 mm thick F.R.P. corrugated structural member in between. This makes the walls a very strong structural system. Overall thickness will be 17/18 mm.
- Roof : F.R.P. Roof has Dome like structure. Larger cabins will have a sloping roof. Tile roof can be provided on request.
- Doors : 17/18mm thick moulded F.R.P. Door is fixed on side with SS hinges. The fixing system is trouble free. Handle and aldrop is provided.
- Windows : 2 nos. sliding powder coated aluminium windows are provided.
- Flooring : 18 mm thick ply coated with F.R.P. from all sides for water resistance.
- Base : The Cabin is erected on M.S. framework as base. Four 3" heavy pipes are provided as legs. The base height is 130 mm.
- Electrical Fittings : Light, fan and one 5 amps socket and telephone jack are provided. The mains can be easily connected to the plug socket provided at the back.
- Desk : A shelf like desk is provided under the window.
- Colour : Available in colour of your choice.

ADVANTAGES OF FRP CABINS

- 1) Cabins are resistant to Humidity, Termites and Pests.
- 2) There is no rotting or corroding of the Cabin as in Wooden or Steel Cabins.
- 3) The pannels are well insulated providing a cool environment.
- 4) The Cabins are well balanced and Self supporting.

METAL CABINS



Site Office
Size: 20' x 10' x 8'6" (ht)



Security Cabin
Size: 8' x 8' x 8'6" (ht)



Site Office
Size: 20' x 8' x 8'6" (ht)



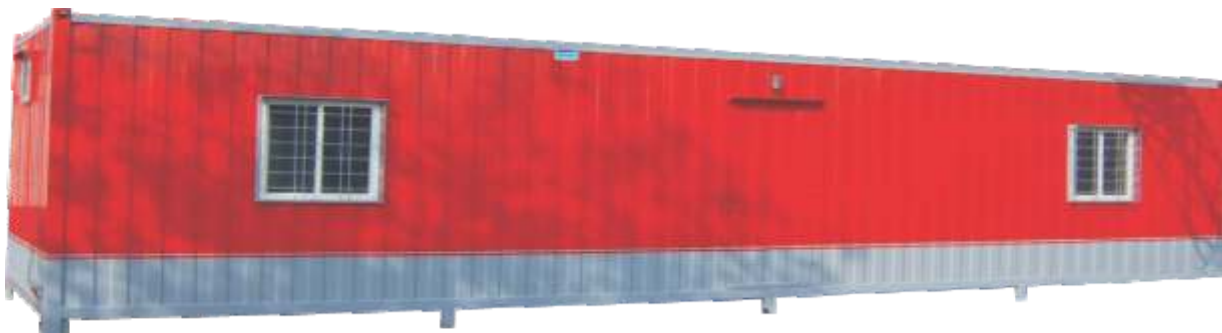
Security Cabin
Size: 4' x 4' x 8'6" (ht)



Single Toilet
Size: 4' x 4' x 8'6" (ht)



Multiple Toilets
Size: 20' x 4' x 8' (ht)



Site Office
Size: 20' x 10' x 8'6" (ht)

CABIN INTERIORS



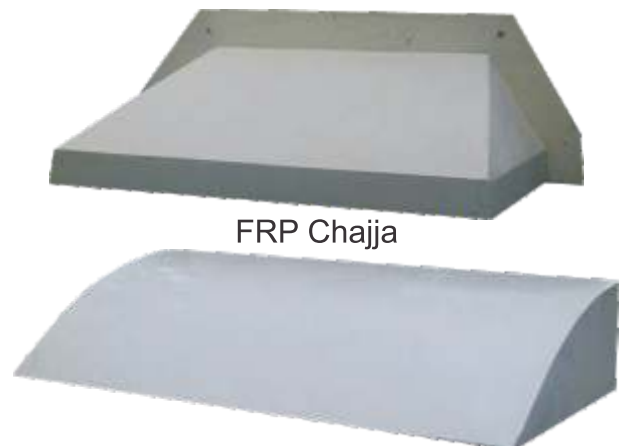
SPECIFICATION FOR PORTABLE METAL CABIN

Sr. No.	COMPONENTS	DESCRIPTION
1	Bottom Frame	150 mm Specially Formed CRC Channel
2	Top Frame	150 mm Specially Formed CRC Channel
3	Stiffener Bottom	Rectangular,MS Sq. Pipe
4	Stiffener Top	M.S. Sq. Tubes
5	Side Post	Specially formed Sections
6	Side Wall Stiffeners	Specially formed Channels
7	Paneling Outside	Specially Corrugated Sheet-1.2 mm thick
8	Internal Wall Paneling	8mm MDF OSL Sheet
9	Roof Ouside	Plain Sheet-1.2 mm thick properly Sloped and water tight.
10	False ceiling	MDF OSL Sheet
11	Bottom Flooring	18mm Cement Bonded Fibre Board with Vinyl Carpet
12	Aluminium Windows	Double Shutter Sliding Aluminium Powder Coated Windows 4mm Tinted Gray Glass- With safety Grills
13	Door	Constructed of Rigid Steel Frame and Insulated with Glass Wool Door Closer, Aldrop & Handles
14	Insulation	Glass Wool Insulation - (Side Wall - 50mm) (Ceiling 50mm)
15	Wiring	All wiring shall be concealed type & shall be of PVC insulated copper wire (FR Grade) of ISI- Polycab make
16	Electrical Fittings	<ul style="list-style-type: none"> • All electrical fittings in the Portable Cabin shall be 220-240 V, AC 50 Hz. • Tubes, Door Light, Fan, Switches, Sockets, Telephone sockets • Air Conditioners Point (MCB) • MCB At the input junction for safety
17	Outside Painting	Phosphate the Cabin and Painting with coat of Epoxy primer with Two Coats of Paint. In colour of your choice
18	Legs	5 inch high Four legs at all four corners
19	Hooks	Specially formed Hooks for Easy lifting and Shifting
20	Partition Wall (optional)	MS Pipe Stiffener with 8mm MDF OSL Sheet

ROOFINGS SHEETS



FRP Mangalore Tiles



FRP Chajja

FIBREGLASS REINFORCED POLYESTER TRANSLUCENT ROOFINGS



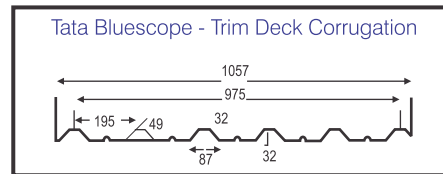
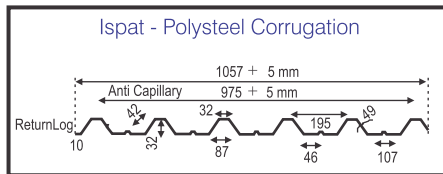
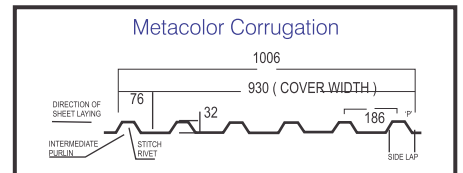
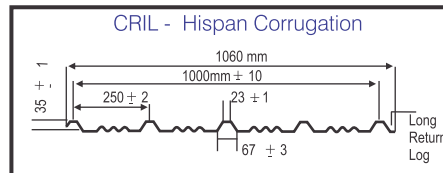
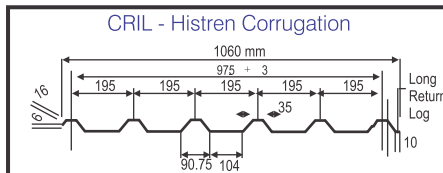
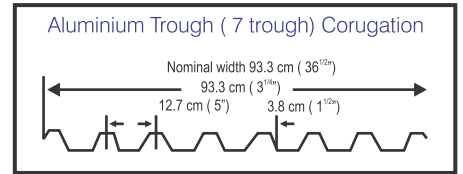
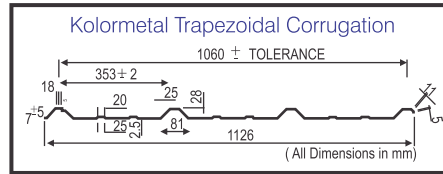
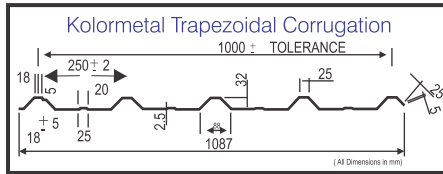
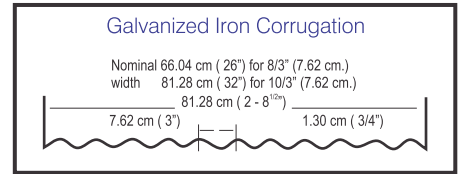
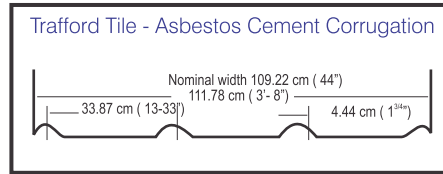
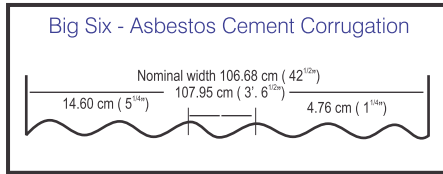
UV Stabilised Roofing sheets.



DayLight

Non - UV Stabilised Roofing sheets.

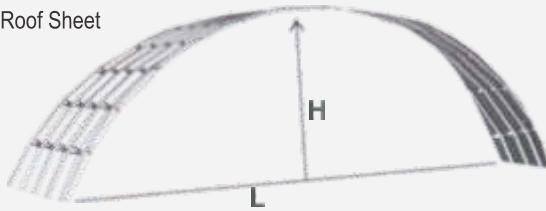
Standard Corrugations TO MATCH WITH



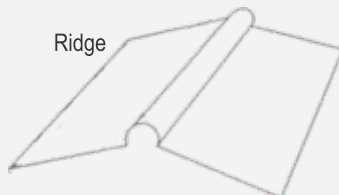
- CORRUGATIONS** : Available as per requirements
LENGTH : 1.00 mtr. and above as per customer requirement.
WIDTH : Standard as per different corrugation type.
THICKNESS : 1.0 mm and above with increment of 0.5 mm. Allowable tolerance +/- 10%.
COLOURS : Clear Translucent, Green, Blue, Milky White and Opaque colours.
TEXTURES : Crinkle Glass Effect, Decorative cloth embedded and other special designs .

Other Roofing Products

Curve Roof Sheet



Ridge



Eaves Gutter



Valley Gutter



North Light Curve



SPECIFICATIONS FOR F.R.P. ROOFINGS

GENERAL PROPERTIES AS TESTED AND APPROVED

	(1) Diffuse Luminous (or light) Transmission Factor	(2) Diffuse U.V. Transmission Factor
Clear Translucent	81.9%	34.4%
Milky White	35.9%	01.9%
Blue tinted	53.9%	19.2%
Natural	56.0%	20.0%

Test Result :

- Thickness 1.1 mm
- Tensile Strength 1145kg. per cm²
- Punch Shear test : (on longitudinal test places)
 - Diameter of punch 12.7 mm
 - Breaking load (average of five tests) 196 kg
 - Shearing Stress (average of five tests) 1286 kg. per cm²
- Impact strength (edge wise) (carried out on longitudinal test places) in Izod type testing machine on test specimen of 1/2"x1/2" 69.6 kg. cm
- Transverse strength (determined according to A. S. T. M. Designation D-1502 60 on a span of 24" load being applied at the quarter points of the span)

Breaking load per foot width	240 lbs.
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- ◆ Transforms harsh sun rays into soft, diffused, glare-free light
- ◆ Provides day-light for efficient and comfortable working condition.
- ◆ With its ultra-violet barrier reflects 80% of the heat rays.
- ◆ Can be easily installed with conventional fixings. No special skill required, Saw it, drill it and fix it.
- ◆ Is tough and robust, can withstand all regular wear-n-tear and vandalism.
- ◆ Can withstand extremes of climates.
- ◆ Is available in exciting wild or soft colours with beautiful decorative embedded designs.



Kayak



Wall Hanging Booth



Fire Hose Box



Dustbin



Underground Junction Box with Cover



Tile Roof



Dustbin cum Ashtray



Cross Corrugations



Firemen Helmet



Airport Chairs



Pod Stool



Bench



Chajja

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