

PREFI PREFABRICATED BUILDINGS AND CAMP SITE SUPPLIES CO.
LOAD BEARING MODULAR PANEL SYSTEM BUILDING
TECHNICAL SPECIFICATION

(LOAD BEARING PANEL STRUCTURE, OUTER COVER POWDER COATED GALVANIZED SHEETS, INTERIOR COVER WITH CEMENT BOUNDED P.PANELS)

LOAD BEARINGS	GENERAL	External Dimensions of Construction are given on plans in Design Specifications. The height from ground level to eaves is 2.40mt. All Load Bearing Panel System has to be installed on the concrete base which has leveled smoothly and properly by cartographer engineers with the given dimensions by Prefi. After putting Panels on the ground to its exact places, panels are going to be joint by galvanized bolt and nuts. After panels are joint, the steel trusses are to be joint. On these trusses steel purlins have to be joint according to the design specifications where Prefi has to be given after the agrrement. Then, these galvanized trapezoidal formed roof steel is mounted. After closing the roof from the external conditions, the suspended ceiling profiles are mounted and then, orderly, suspended ceiling is mounted. The Main Building is formed. After that last leveling screed / leveling of 40mm has to be poured.		
	LOADS	SNOW LOADS: 80 kg/m ²	WIND LOADS: 75 km/h	
	LOAD BEARING PANEL SYSTEM	We offer Load Bearing Panel System Buildings. The main construction is made from formed steel or steel box profiles. On the top/roof the snow load is first given on steel purlins, then steel trusses and panels are to be given. the steel construction system is given the load to the ground. Our buildings are designed according to the wind/snow loads you have given for the offers preparation. Also the design specifications are given on these pages . For giving you the maximum performance on serailly mounting and demounting options, all joinings of the buildings are made out of galvanized steel. All the sealents are made out of galvanize, powder coat painted and specially formed in order to have an aesthetic and for the purpose of isolation.		
CLOSING DETAILS AND ITS INSULATIONS		CLOSINGS	Between the joining of two panels, there are omega profiles, Glasswool of 50-100mm 14density is put in in order to insulate from climate conditions.	
		PAINTINGS	All closing elements of steel between any panels are Powder Coat Painted.	
ROOF SYSTEM	ROOF COVERING	0.50 mm. 27/200 mm Trapezoidal cross-section hot dipped galvanized steel sheets(TS 822) will be fixed on to the steel purlins by flanges with aluminium rubber headed drilling bits.		
	ROOF INSULATION	100mm GLASSWOOL OF DENSITY 14 KG/M3 (TS-901, DIN-18165,ASTME E 84, λ:0.0034 kCal/mh C°) Fire Resistance TS 1263, DIN 4102-1, CLASS A, Heat resistance max 250 C °		
	INSL. QUAFICIENT	0,317 KCAL/m ² hC		
	HUM.BARRIER	Humudity Barrier is not added on our offer		
	SUSPENDED CEILING	Suspended ceiling with white coated aluminium T-Profiles. 9,5mm 60*60cm White Coated Gypsum Boards		
	ANTI CORROSION	Epoxy Filler Paint is applied Twice on trusses and purlins(these can be changed to galvanized also)		
	SEALANT	Galvanized Steel where painted with powder coating		
RAIN GUTTERS		Not included on our offer		
EX WALLS	EXTERIOR COVERING	Specially 13mm trapezoidal formed galvanized steel of 0,75mm with powder coating of 100-200microns. PVC protecting cover is used in order not be damaged before main building found.		
	INSULATION	50mm GLASSWOOL OF DENSITY 14 KG/M3 (TS-901, DIN-18165,ASTME E 84, λ:0.0034 kCal/mh C°) Fire Resistance TS 1263, DIN 4102-1, CLASS A, Heat resistance max 250 C °		
	INSL. QUAFICIENT	0,604 KCAL/m ² hC		
	INT. COVERING	8mm Cement Bonded particular Boards (TS-EN-634-2,FIRE RESISTANCE:DIN4102-1,ClassA2)		
	PANEL FRAME	40x40x1.5 mm steel box profiles and/or specially formed U/C Profiles		
	ANTI CORROSION	Epoxy Filler Paint is applied Twice on frame		
	HUM.BARRIER	Humudity Barrier is not added on our offer		
INT WALLS	COVERING	8mm Cement Bonded particular Boards (TS-EN-634-2,FIRE RESISTANCE:DIN4102-1,ClassA2)		
	INSULATION	50mm GLASSWOOL OF DENSITY 14 KG/M3 (TS-901, DIN-18165,ASTME E 84, λ:0.0034 kCal/mh C°) Fire Resistance TS 1263, DIN 4102-1, CLASS A, Heat resistance max 250 C °		
	INSL. QUAFICIENT	0,561 KCAL/m ² hC		
	PANEL FRAME	40x40x1.5 mm BOX PROFILE AND/OR SPECIALLY FORMED U PROFILES		
	ANTI CORROSION	Epoxy Filler Paint is applied Twice on frame		
	HUM.BARRIER	Humudity Barrier is not included on our offer		
DOORS	EXT DOORS	DOOR LEAFS	Both surfaces of the door is powder coated steel of 1.2mm and between the frames 50mm of Glasswool or Rockwool is used.	
		DOOR FRAMES	1,20mm RAL 9002 powder coated galv. Steel sheet specially formed frame	
		COLOR	RAL 9002, POWDER COATED	
		LOCKS	68mm cylindrical barrel lock (ITO or equival.)	
		DIMS	893mm x 2011mm	
	INT DOORS	DOOR	Special American Door Panel.	
		DOOR FRAMES	1,20mm RAL 9002 powder coated galv. Steel sheet specially formed frame	
		COLOR	RAL 9002, POWDER COATED	
		LOCKS	Office doors are 68mm cyc.barrel lock for security purposes	
		DIMS	Rooms: 840mm x 2000mm, WC Doors:740mm x 1990mm	
	HANDLES	Electrostatic Powder Coated Steel handles for designed for heavy conditions		
WINDOWS	WINDOW (P1)	Deceunick Hard PVC Windows whose interior frames are galvanized steel are used.		
	DIMS	80 / 110 cm, Opening to upside		
	GLASS	Double Glazing 4+10,5+4mm, Pvc handles on		
	FLY SCREEN	Not included to our offer		
	WINDOW (P2)	Deceunick Hard PVC Windows whose interior frames are galvanized steel are used.		
	DIMS	80 / 110 cm, Opening to upside		
	GLASS	Double Glazing 4+10,5+4mm, Pvc handles on		
FLY SCREEN	Not included to our offer			

	POWDER COAT	All Steel Exterior and Interior main item surfaces are POWDER COATINGS RAL 9002 (All inner closing elements and also suspended ceiling elements etc.)
	EPOXY PAINT	All Elements of Structural Steel Frames are twice painted with epoxy filler
	COATING PAINT	All Invisible Steel Sections are twice painted.
ELECTRICAL INSTALLATION	DISTRIBUTION PANEL	Fuses are Siemens brand, exc., V automat and Graund Fault with TSE
	LIGHTENING FIXTURES	Exterior doors and wet areas: Weatherproof globe armatures
		Office Areas 4*18W, 60*60cm, Parabolic Type Armatures
		Other Areas Globe Armatures
	CABLING	Elec.Outlets 3x2,5mm/2 NYM Cable
		Elec.Outlets Q All quantities can be seen below on drawings
		Lamp Lines 2,5mm/2*1,5mm NYM Cable
	EARTH BREAKING	The aproximate EB will be attached in to the Distribution Panel
	GRAUNDING	Ø:16*1000mm copper and its set is used
	PHONE SYSTEMS	Office Areas All quantities can be seen below on drawings
		Other Areas Not included
	DATA SOCKETS	Office Areas Not included
		Other Areas Not included
	TV SOCKETS	Not included
UPS S/Lines	Not included	
EXHAUST FANS	Not included	
FIRE ALARM SYSTEMS	Not included	
GAS ALARM SYSTEMS	Not included	
LIGHTENING PROTECTIO	Not included	
SANITARY AND PLUMB.MATERIALS	GENERAL	Surface Mounted for easy repairing or demounting in the future Cold and Hot Water Pipes installation to all lavatories, showers and sinks, kitchen cabinet Floor Drains is packaged
	CLEAN WATER PIPES	PPRC (Pilsa, Dizayn or equivalent)
	WASTE WATER PIPES	PVC (Pilsa, Dizayn or equivalent)
	EQUPM./MATERIALS	Mirror, toilet paper rail, soap dish etc. Hard Plastic items are added
	VITRIFIED MATERIALS	Vitra, Toprak or equivalent
	SHOWER TRAYS	Not added.
	TAPS	YAK or equivalent is added; Also flex joining will be attached to the PPRC with rakors
	WATER HEATERS	Not included
	LIMITS OF INSTALL.	Exterior wall of building
	KITCHEN FURNITURES	Not included
HVAC	HEATING	STANDARTS According to the climatic conditions its to be solved if in need
		RADIATORS Not included
		R.QUANTITIES -
		MAIN HEATER TYI-
	COOLING	STANDARTS According to the climatic conditions its to be solved if in need
		BTU Capt. Not included
		AC QUANTITIES -
		DIMS -
FLOOR COVERINGS	MAIN GROUNDING	Self-Leverage and Ground Cement basement Works are not included. Plans to be given
	LEVELING/SCREED	40mm of Screed / Last Leveling is not included. 40mm is in need, Details to be given
	DRY AREAL WORKS	
	PVC FLOORING	Not included
	FLOOR CERAMICS	TYPE Not included DIMS:
	FLOOR-WALL JOINTS	Not included
	WALL CERAMICS	TYPE Not included
		WC/Lavatories Not included DIMS:
		LATRINES Not included DIMS:
		KITCHENS Not included DIMS:
	WET AREAL WORKS	
	PVC FLOORING	2mm Hard PVC Coating is not included
	FLOOR CERAMICS	TYPE Not included DIMS:
	FLOOR-WALL JOINTS	Not included
	WALL CERAMICS	TYPE Not included DIMS:

* Having tenth of years of experiences from the planning-desingning, producing and mounting periods, we are glad to serve you with our best practice and services.

** All Prefab Elements have the flexibilty to multiple demountation possibilty as we are using galv. steel nuts and bolts

*** All materails have TSE Guarantee.

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