



STEEL SKELETON PREFAB TECHNICAL PROVISION				
TECHNICAL DATAS	EARTHQUAKE CONDITIONS	(1. Degree Earthquake Region) Effective Ground Acceleration Coefficient $A_0=0,40$	LIGHT STEEL MATERIAL	Erdemir 1311, (ST-37) Structural steel which is galvanised by zinc
	CLIMATE CONDITIONS	Manufacturing Based on 3rd Climate Region	CONCRETE PANEL	Density : $\sim 1300 \text{ kg/m}^3$ nonflammable Heat Conductivity Factor ($\lambda 10 \text{ }^\circ\text{C dry}$)
	SNOW BURDEN	80 kg/m^2 (It's up to montage place)	EPS (Expanded polystyrene strafor)	According to DIN 4102 standard, 12 and 16 density, B1 Incombustibility
	WIND SPEED VALUE	102 km/house (50 Kg/m^2)		
	EXTERNAL WALL HEAT INSULATION INDEX	K: 0.45 $\text{Kcal/m}^2\text{hC}$ (K: 0,53 $\text{w/m}^2 \text{ K}$)	Chassis Burden Capacity	200 kg/m^2 (for duplex) (calculated according to T.S 498)
	INTERNAL WALL HEAT INSULATION INDEX	K: 0.44 $\text{Kcal/m}^2\text{hC}$ (K: 0,51 $\text{w/m}^2 \text{ K}$)	Roof Insulation Index	K: 0.39 $\text{Kcal/m}^2\text{hC}$ (K: 0,43 $\text{W/m}^2 \text{ K}$)
EXTERNAL and INTERNAL PANELS	Internal and external panels are made of special twisted stainless galvanisation sheet metal and $8*125*2500 \text{ mm}$ sized double-faced cement-bonded particleboards. 84 mm ROCKWOOL are used for heat insulation between boards. External panel thickness is 100 mm, internal panel thickness is 60 mm and panel height is 250 cm. The heaviest piece of building - which contains full wall panel, wall panel with window, wall panel with vent sash - is the wall panel with door and it is 114 kg and $125*250 \text{ cm}$ sized.			
PANEL COMBINATIONS	Special U and H steels - which are combination materials - are made of special cut and manufactured by rollformwith steel clit system and threaded system.			
BEARING PARTS	Roof trusses, trabeculas and columns are made of special twisted stainless galvanisation sheet metal. Stainless trusses are used in each 125 cm for all building along and special reshaped purlins - which are made of stainless galvanisation sheet metal - are put above the trusses. The structure can be disassembled and assembled for many times just because we use threaded and welded producing method. Welded and threaded modern production system is our own method.			
INTERMEDIATE STOREY	Intermediate storey is made of stainless galvanisation sheet metal as bearing cage. The ground of intermediate storey is covered by 16 00 cement-bonded particleboards. We put 14 kg/m^3 glass wool for heat and sound insulation above ceiling floor of ground floor. Intermediate storey's burden is 200 kg/m^2 . We use trabecula cut which are calculated by SAP 2000.			
ROOF	ROOF SYSTEM	% 10 inclined saddle roof and hipped roof		
	ROOF COVERING and INSULATION	Stainless natural galvanisation deck sheet is used on metal purlins as roof covering. Tile designed painted deck sheet, sandwich panel, shingle, metal tile are alternatives. Truss zone has vent-hole and covered with PVC wainscot. 20 cm width stainless galvanisation sheet metal all around the building is hanged. PVC based decorative rain corrugation can be used. (Snow burden crashes are not contained.)		
CEILING COVERING	We use 12 mm gypsum panel for the ceiling covering. 80 mm thickness (14 kg/m^3) is used above ceiling gypsum panel as insulation (Rockwool is an alternative). PVC cap is used to get an esthetic observation. Gypsum panels junction materials are made of electrostatic painted aluminum material. Cement-bonded particleboard or green gypsum panel are used for wet place's ceiling.			



DOORS	EXTERNAL DOORS	Steel doors - which are 90*200 cm - are used. Cylindrical locks are used.
	INTERNAL DOORS	Internal doors are made of galvanisation sheet metal framed and broken white American door for 80*200 cm size. Aluminum or pvc doors are up on customer's choice. KALE branded mortise locks are used.
PENCERELEER	WINDOW PROFILE	118*100, 180*100, 180*180 cm and 60*40 cm vent sashes which are made of pvc material are used. Cement-bonded particleboards ribs are used around windows and vent sashes.
	DOUBLE GLAZING	The whole glasses are double galazing and 4+12+4 mm. Vent sashes are made a single bone glass.
STAIRS	16 mm cement-bonded particleboards are covered on tubular steel skeleton. Stair railings are made of tubular steels. Metal part of stairs is painted with duplex wash primer and duplex oil paint.	
PAINTS	EXTERNAL WALL PAINT	Exterior metal surfaces are painted with duplex wash primer and synthetic oil paint. Exterior cement-bonded particleboard surfaces are painted with acrylic exterior housepaint. Mastic is used for wall's joint. We use DYO and POLISAN products.
	INTERIOR WALL PAINT	Interior cement-bonded particleboard surfaces and ceiling gypsum panels are painted with plastic paint. We use POLISAN and DYO products.
	OTHER	There's no primer on galvanised cold form truss, purlin and backside of panel under favor of no welding technology.
ELECTRICITY WIRING	WIRES	Electricity system (CE-TSE Certified) is wired over cement-bonded particleboard.
	FUSE	32 amp CE - TSE certified fuse box
	ILLUMINATION	CE-TSE certified energy saving bulb and armatures are used for illumination.
	Wall Socket and Switch	We prefer CE-TSE certified products.
	EXTERIOR CONNECTIONS	Water meter and external connections are made by purchaser.
GROUND WORK and CONCRETE	The concrete is used as the instructions that FERMENDI gave to purchaser. Anchors and steel threaded inserts are identified to ground of building. The ground should be prepared with wire mesh or spread footing with iron.	
GUARANTEE CONDITIONS	The products - which are produced by FERMENDI Co. with advanced technology - are under warranty for 3 years in case of any kind of manufacturing or montage faults. Fermendi branded aluminum stickers are the sign of guarantee, lack of the sticker cancels the guarantee. For any kind of fault situation, the fault should be identified clearly and the documents, which are wanted by Fermendi Prefab like 30 cm, 2m and 10 m distance photos of fault, must be given to company to fix the mistake. On the other hand, the product is even under warranty there should be no service. After a complete appeal, FERMENDI PREFAB will cover the service need of product in 5 weekdays for free. The problems, which happened during transport or occurs because of usage, are not under warranty.	

AUTHORIZED SALES REPRESENTATIVE
NAME - SURNAME - SIGNITURE