



LIGHT STEEL SINGLE STORY HOUSES CATALOGUE



76M²



LS100



PREFABEX
MODULAR BUILDING SOLUTIONS



82M²



LS101



PREFABEX
MODULAR BUILDING SOLUTIONS



86M²



LS102



113M²

LS103



PREFABEX
MODULAR BUILDING SOLUTIONS



113M²

LS104



PREFABEX
MODULAR BUILDING SOLUTIONS



118M²

LS105



113M²



LS106



131M²



LS107



PREFABEX
MODULAR BUILDING SOLUTIONS



138M²



LS108



PREFABEX
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154M²



LS109



PREFABEX
MODULAR BUILDING SOLUTIONS



157M²



LS110



168M²



LS111



PREFABEX
MODULAR BUILDING SOLUTIONS



175M²



LS112



183M²

LS113



PREFABEX
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194M²

LS114



PREFABEX
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195M²



LS115



201M²

LS116



PREFABEX
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203M²

LS117



205M²



LS118



PREFABEX
MODULAR BUILDING SOLUTIONS



214M²

LS119



214M²

LS120



219M²

LS121



PREFABEX
MODULAR BUILDING SOLUTIONS



227M²



LS122



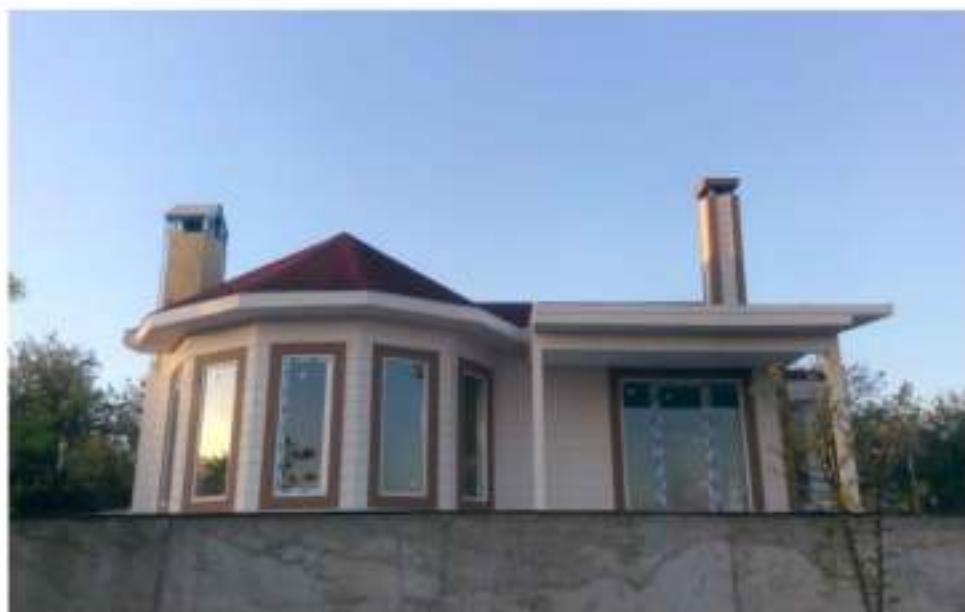
330M²



Light Steel House 263m²

LS123





PREFABEX LIGHT STEEL BUILDING TECHNICAL SPECIFICATIONS

GENERAL CALCULATION CRITERIA

- Wind speed : 102 km/hour
- Snow load : 80 kg/m²
- Chassis load capacity : 200 kg/m²
- Earthquake resistance : First-degree seismic zone
- Load-bearing system : Consists of special C, U galvanized profile

INTERNAL WALLS

Produced from galvanized components that are bent and joined together without welding, by means of bolts and nuts.

- Thickness of wall steel frame is 80 mm
- Exterior Cladding: Two layers of White gypsum board thickness 12.5 mm
- Interior Cladding: Two layers of White gypsum board thickness 12.5 mm
- Height is 250 cm (It can be customized to client's request)
- Insulation Material: Mineralwool 8 cm thickness

EXTERNAL WALL

Produced from galvanized components that are bent and joined together without welding, by means of bolts and nuts.

- Thickness of wall steel frame is 80 / 140 mm
- Exterior Cladding: 11 mm thickness OSB board + Vapour barrier + 10 mm cement board
- Interior Cladding: Two layers of White gypsum board . For wet areas green gypsum board is used.
- Height is 250 cm (It can be customized to client's request)
- Insulation Material: Mineralwool 8/13 cm thickness

CEILING

- 12.5 mm gypsum board
- Wet areas covering: Green gypsum board
- Insulation: 80 mm mineralwool

Doors

- Exterior Door: 900x200 cm steel doors
- Interior Doors : 80x200 cm American panel doors.

Windows

- Type: PVC windows (TSE certified)
- Dimensions: 100x120, 120x160 and 160x160 cm
- Glass: double glazed 4+16+4 mm
- transom is single layer frosted glass

ELECTRICITY INSTALLATIONS

- Cables: 3x1.5, 3x2.5 Nym (TSE certified)
- Cable trays and cable pipes
- Single sockets'cables 3x2.5 mm² TSE certified brand
- Lighting lines 3 x 1.5 mm² TSE certified brand
- Lighting armatures: normal areas: globe and for wet areas wall waterproof lighting fixture
- Sockets and switches: Viko brand
- Fuses: Siemens or Schneider Brand
- Cables for A/C and water heaters

SANITARY INSTALLATIONS

- Clean water pipes: PVC (TSE certified)
- Waste water pipes: PPRC (TSE certified)
- Sanitary ware and armatures: high quality TSE certified products



ROOF

- Structure: Gable or pitched roof structure, formed by means of seamless technology through use of special cold roll formed galvanized steel profiles
- Covering: OSB boards + vapour barrier + corrugated steel sheet
- Insulation: 80 mm thickness of mineralwool



METAL CHASSIS BETWEEN FLOORS

- Structure: formed by means of seamless technology through use of special cold roll formed galvanized steel profiles
- Covering: 16 mm thickness cement boards
- Insulation: 80 mm thickness of mineralwool



PAINT

- External metal parts are painted double layer coating and with double layer synthetic oil paint. External cement boards panels surfaces are painted with acrylic paint. For external wall mastic is applied on the jointing areas.
- The interior cement board surfaces and ceiling gypsum boards are painted with plastic paint. TSE certified painting products are used in our buildings



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