

(LOAD BEARING PANEL STRUCTURE, OUTER COVER POWDER COATED GALVANIZED SHEETS, INTERIOR COVER WITH LAMINATED CHIPBOARD)

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| 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: 135 kg/m ² | WIND LOADS: 80 km/h |
| | FIRST FLOOR CHASSIS (for double flooreys) | In order to have the highest resistance, all the chassis' cross profiles are made out of factory build steel C profiles and joint with the main chassis frames. On to the cross C profiles, 0.50 mm.; 27/200 mm Trapezoidal cross-section hot dipped galvanized steel sheets; After that 18mm chipboard is joint to homogeniously scatter the loads on to the each of the NPI profiles at the ground floor. | |
| | 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 preperation. 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 ^o) Fire Resistance TS 1263, DIN 4102-1, CLASS A, Heat resistance max 250 C ° | |
| | INSL. QUAFICIENT | 0,317 KCAL/m2hC | |
| | 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 | 80mm ROCKWOOL OF DENSITY 40 KG/M3 (TS-901, DIN-18165,ASTME E 84, λ:0.0034 kCal/mh C ^o) The durable performance max. is 700 ° C. EC1121-CPD-BA0097-07, A1 CLASS Inflammable. | |
| | INSL. QUAFICIENT | 0,398 KCAL/m2hC | |
| | INTERIOR COVERING | Dry Areas : 8mm Chipboard double side laminated white-white (TSE-1770,DIN:53799). Wet Areas : 8mm Cement Bonded particular Boards (TS-EN-634-2,FIRE RESISTANCE:DIN4102-1,ClassA2) | |
| | PANEL FRAME | 40x80x1.5 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 | DRY AREAS :8mm CHIPBOARD BOTH SIDES WHITE-WHITE LAMINATED (TSE-1770,DIN:53799). WET AREAS :8mm CEMENT BONDED PARTICLE BOARD(TS-EN-634-2,FIRE RESISTANCE:DIN4102-1,ClassA2) | |
| | INSULATION | 40mm ROCKWOOL OF DENSITY 40 KG/M3 (TS-901, DIN-18165,ASTME E 84, λ:0.0034 kCal/mh C ^o) The durable performance max. is 700 ° C. EC1121-CPD-BA0097-07, A1 CLASS Inflammable. | |
| | INSL. QUAFICIENT | 0,669 KCAL/m2hC | |
| | 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 equivl.) |
| | 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 | | |

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| 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 | - | |
| | 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-desinging, 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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