Çelik Yapılar Teknik Özellikleri
Steel Constructions Technical Specifications

STEEL CONSTRUCTIONS TECHNICAL SPECIFICATIONS

1 PROJECT CALCULATION VALUES
The snow load, wind load, and earthquake impact values are calculated according to the area the structure is going to be built.

2 MATERIALS and CALCULATION ELEMENTS
The Steel Carrier Frame Systems St-37 are ready structure profiles or PROFACTO profiles. Roof purlins and facade bands are PROFACTO profiles. Facade and Rood Coatings are First Class natural galvanized sheet metal. It is in the 27/200 form, and 0.50-0.53 mm thickness. Static calculations are made using TS 498 - TS 648 - TS 11372.

3 PROJECT DATA

WIDTH	: 8 - 10 - 12 meters
LENGTH	: 10 - 12 - 14 - 16 - 18 - 20 meters
HEIGHT	: 4 - 5 meters

The above dimensions are standard dimensions. Please call for any other dimensions you may require.

4 STEEL CARRIER SYSTEM
The carrier system is composed of steel column, beam, purlin, band, pressure rods, and wind connection components. The connections are performed entirely with nuts and bolts. All nodal points are individually examined statically and then detailed. Calculations are done with programs like Sap2000, Portal, and CFS. Detailing is done with the aid of the Autocad and Nemetschek - Allplan programs. The required controls starting from the project stage to the mounting end are done entirely with the ISO 9001:2000 quality assurance system.

5 ROOF COATING MATERIAL
The roof is coated with 0.50-0.53 mm thick 1st class natural galvanized trapezoidal sectioned steel metal in the 27/200 form. An impervious surface is created as a result of the grooves being fixed on top of one another, and exclusive details. Polyurethane sandwich panels will be used in the case an insulated hangar is demanded.

6 FACADE COATING MATERIAL
The facade is coated with 0.50-0.53 mm thick 1st class Assan or Tezcan natural galvanized trapezoidal sectioned steel metal in the 27/200 form. An impervious surface is created as a result of the grooves being fixed on top of one another, and exclusive details. The concealing components exclusively designed for the transparent lighting boards on the doors and facade. Polyurethane sandwich panels will be used in the case an insulated hangar is demanded.

7 FLASHING COMPONENTS
Exclusively designed concealing components are used to ensure imperviousness on the roof ridge and rim.

8 NATURAL ILLUMINATION
Transparent pellucid boards will be used under the rim elevation on both long facades of the structure. This will allow to benefit from natural daylight.

9 DOORS
The doors shall be in the quantity and position specified in the project. There shall be one service door on the doors.

10 WINDOWS
There are no windows in the project. Lighting shall be provided with the aid of transparent pellucid boards.

11 RAINWATER GUTTERS and LANDINGS
Water discharge is enabled in the standard production with free flow. Rainwater gutters and landings may be included on request.

12 MEZZANINE CHASSIS
There is no entresol chassis in the standard production. An entresol chassis may be built on request.

13 PAINTWORKS
Steel surfaces shall be primed with epoxy primer. If galvanized materials are used, no priming nor painting shall be done. Coating materials are in the unpainted natural form. Painted sheet metal material may be used on request.

14 ANCHORAGE BOARD and PANELS
Anchorage boards and panels shall be delivered to the Buyer by VEFA. Concrete shall be immediately poured by the Buyer in accordance with the basic project and column application plan to be provided by VEFA.

15 OTHER

ELECTRICAL INSTALLATION	: Excluded.
FLOORING CONCRETE	: Excluded.
FLOORING	: Excluded.
SANITARY INSTALLATION	: Excluded.
HEATING-COOLING INSTALLATION	: Excluded.

NOTE 1: The above dimensions are standard dimensions. Please contact our office for other dimensions you may require.

NOTE 2: Please contact our office for the insulated hangar structure. Roof and wall calculations need to be done according to the climate area.

VEFA MÜH. PREFABRİK LTD.ŞTİ. RESERVES THE RIGHT TO MAKE CHANGES TO THE TECHNICAL SPECIFICATIONS.