

## SPECIAL DESIGN PACKAGE HANGAR TECHNICAL SPECIFICATIONS

### **1-) PROJECT CALCULATION VALUES**

|              |                        |
|--------------|------------------------|
| SNOW LOAD    | : 75 kg/m <sup>2</sup> |
| WIND LOAD    | : 60 kg/m <sup>2</sup> |
| SEISMIC ZONE | : 2.degree             |

### **2-) MATERIAL AND CALCULATION PRINCIPLES**

|                             |   |
|-----------------------------|---|
| <b>STEEL SUPPORT SYSTEM</b> | : St-37 ready-made profiles   |
| PURLIN-BRACE                | : Specially designed, cold bent steel profiles  |
| COATING MATERIAL            | : First Class Assan or Tezcan natural galvanized steel in (27/200 ) form; 0.48-0,52 mm thick) |
| <b>STATICAL CRITERIA</b>    | :TS 498 – TS 648 – TS 11372   |

### **3-) PROJECT INFORMATION**

|              |                               |
|--------------|-------------------------------|
| FREE WIDTH   | : 10.00 m ( STANDARD )        |
| AXLE SPACES  | : 2.00 m                      |
| TOTAL LENGTH | : 10,00 m / 22,00 m / 30,00 m |
| HEIGHT       | : 4.00 m / 5,00 m             |
| CLOSED AREA  | : .....m <sup>2</sup>         |

### **4-) STEEL SUPPORT SYSTEM**

Support system is composed of steel column, beam, purlin, band, pressure rods and wind connection components. The connections are performed entirely with bolts and screws. All nodal points are individually examined statically before detailing. Calculations are done with programs like SAP2000, Portal and CFS. Detailing is done with the aid of AutoCAD and Nemetschek-Allplan. Required controls starting from the project stage to the end of mounting process are done entirely with the ISO 9001:2000 quality assurance system.

### **5-) ROOF COATING MATERIAL:**

Roof is coated with 0,48-0,52 mm thick 1st class Assan or Tezcan, natural galvanized trapezoidal sectioned steel metal in the 27/200 form. An watertight surface is created as a result of the indents being fitteded on top of one another and with exclusive detailing.

### **6-) FACADE COATING MATERIAL:**

Roof is coated with 0,48-0,52 mm thick 1st class Assan or Tezcan, natural galvanized trapezoidal sectioned steel metal in the 27/200 form. An watertight surface is created as a result of the indents being fitteded on top of one another and with exclusive detailing. For the lighting board on doors and façade, specially designed covering equipments are used.

### **7-) COVERING COMPONENTS:**

Exclusively designed concealing components are used to ensure imperviousness on the roof ridge and rim



### **8-) NATURAL LIGHTENING:**

Transparent pellucid boards are used under the rim elevation on both long facades of the structure. This will allow benefiting from daylight.

### **9-) DOORS:**

Sliding doors of size 3, 50 x3, 50 on both short facades of structure will be fitted. There shall be one service door on the doors.

### **10-)WINDOWS:**

No windows for this project.

### **11-)RAINWATER GUTTERS**

No rainwater gutters for the project. Water discharge will be maintained by free flow.

### **12-) MEZZANINE CHASSIS**

No mezzanine for this project.

### **13-) PAINT WORKS**

Columns, beams, diagonal components, are with epoxy priming and final layer paint. Purlin and bands are natural galvanized. Painting is not necessary.

### **14-) ANCHORAGE BOARDS AND PANELS**

Connected to the base with special steel expansion bolt.

### **15-) OTHER**

|                              |                 |
|------------------------------|-----------------|
| ELECTRICAL INSTALLATION      | : Not included. |
| FLOORING CONCRETE            | : Not included. |
| FLOOR COVER                  | : Not included. |
| SANITARY INSTALLATION        | : Not included. |
| HEATING-COOLING INSTALLATION | : Not included. |

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