



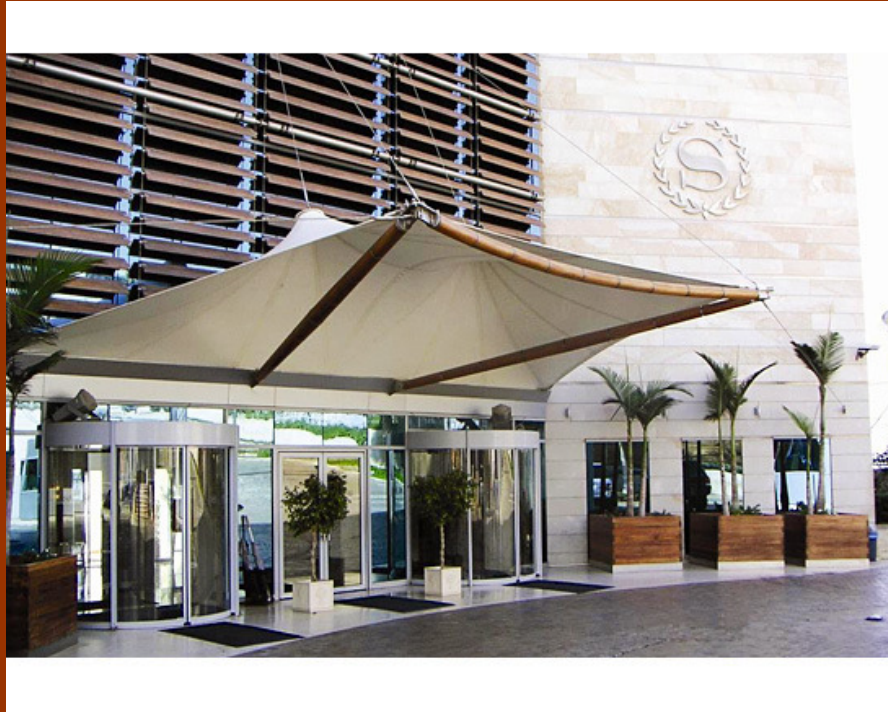
## Interiorsfactory Tensile Membrane Structure



Customized Design – Engineering – Fabrication -Construction



## *Interiorsfactory Tensile Membrane Structure*



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## Interiorsfactory Tensile Membrane Structure

### Benefits :

- Block up to 98% UV
- Shade up to 90%
- Lower Air Temperature
- Reduce Surface Heat
- Cut Glare
- Protect Assets

### Quality :

- Endure 80+ Mph Winds
- 10 Yr Fabric Warranty
- Won't Sag, Rot, Mildew
- Meet CA Building Code
- No Maintenance
- DSA Prechecked Designs
- GSA Approved

### Materials

- HDPE UV Shade Fabric
- Galvanized Steel Cable
- Factory Welded Steel
- Powder Coat Finish

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## Parking Awning CSM60



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## Tension Fabric Umbrella Shade



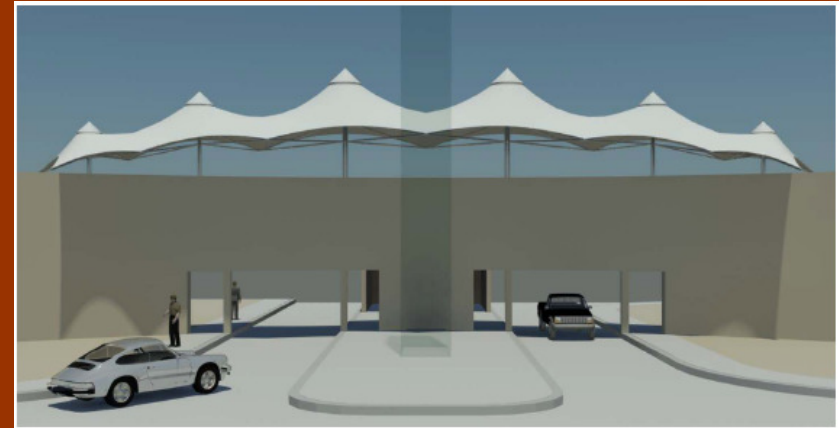
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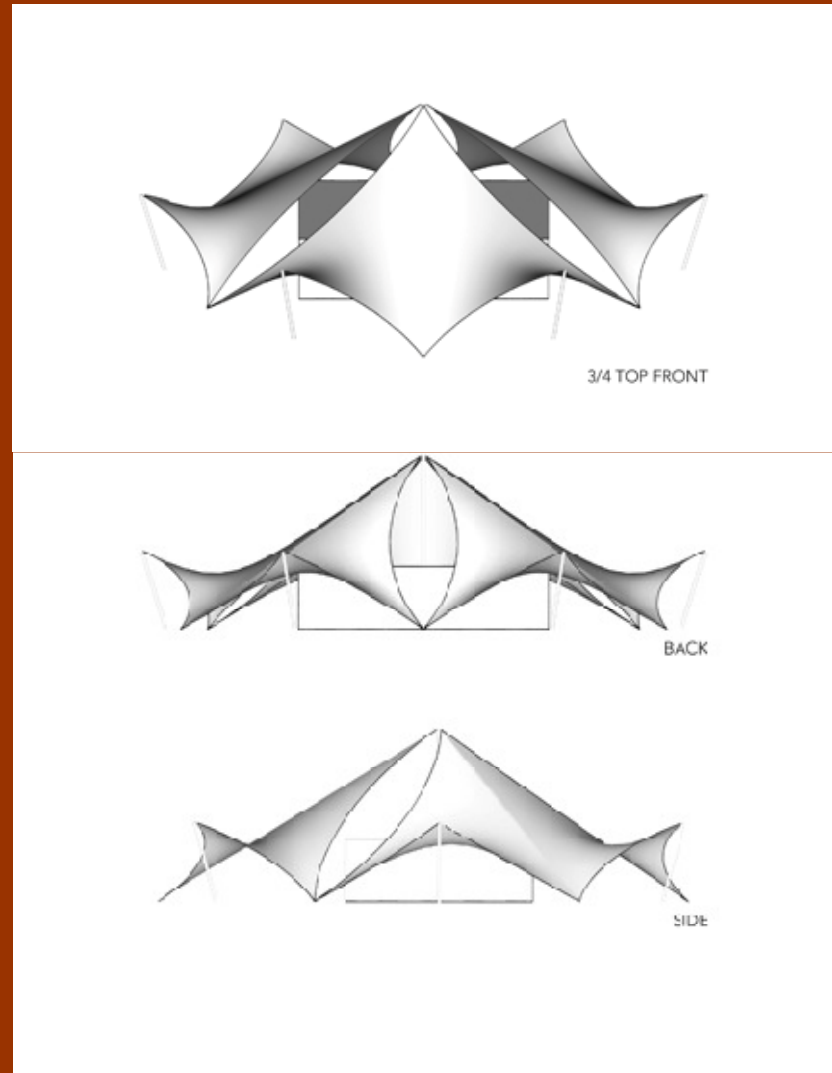


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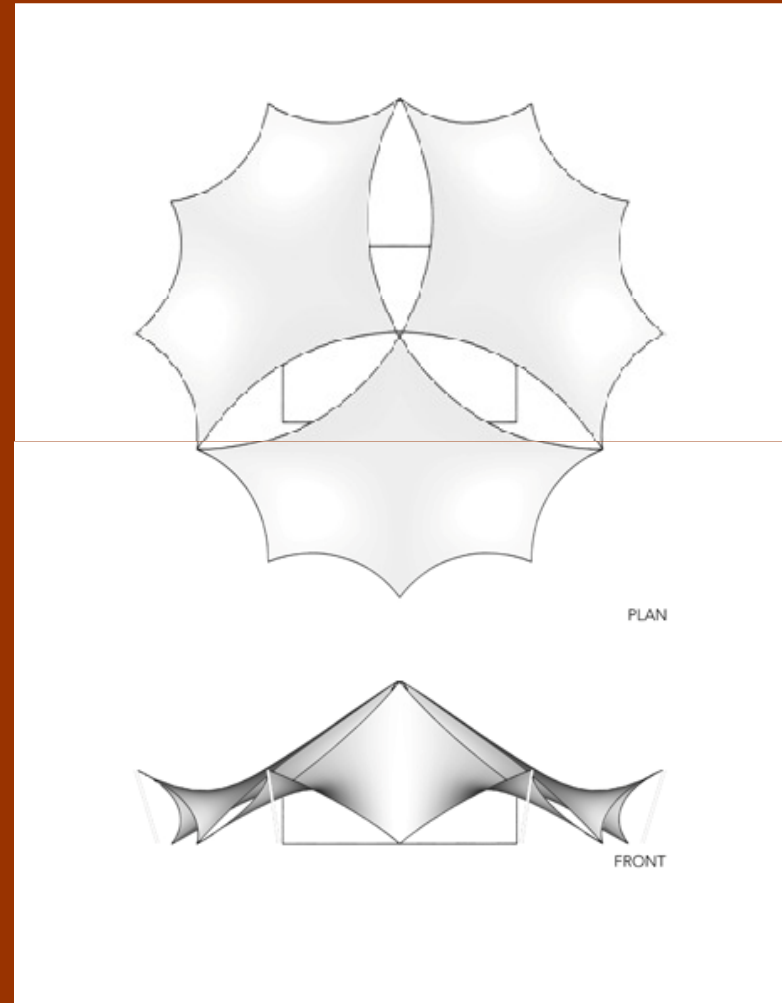


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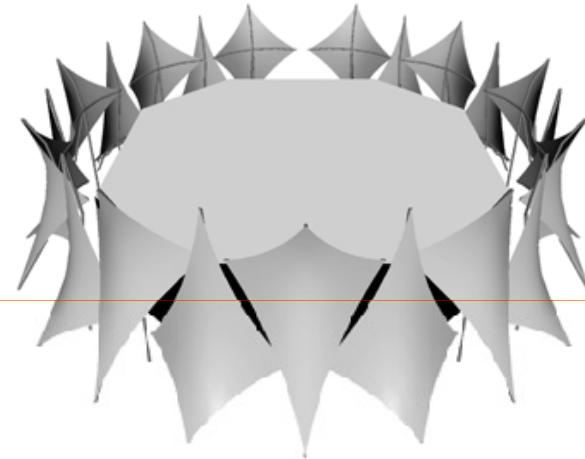
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## Interiorsfactory Tensile Membrane Structure



TOP/REAR PERSPECTIVE



REAR ELEVATION

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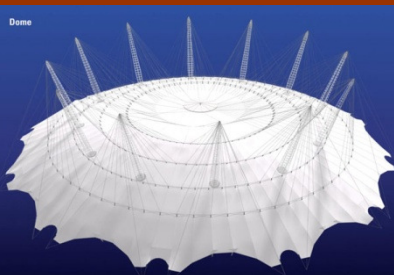
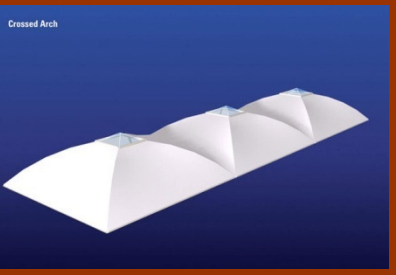
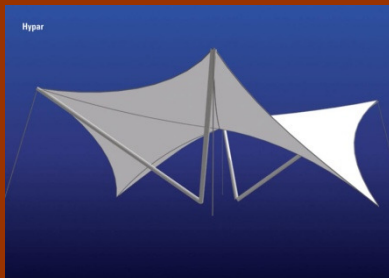
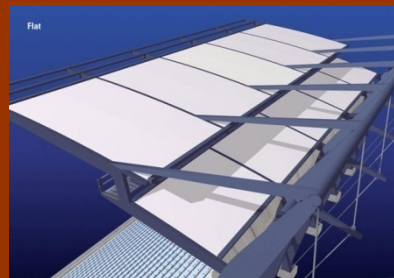
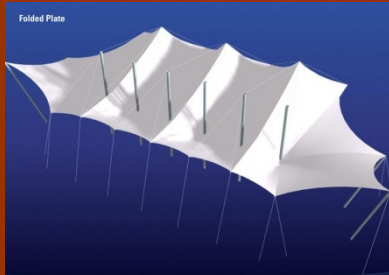


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# Interiorsfactory Tensile Membrane Structure

## Design Detail



Fabric Partner

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## *Interiorfactory Tensile Membrane Structure*

### About Us

As one of the country's frontrunners, INTERIORSfACTORY offers world-class expertise in Tensile Membrane Architecture to Indian clients through global alliances (TENSO) that have initiated to change the face of our cityscapes forever. Seemingly impossible structures using traditional building materials have started to become a reality in membrane architecture. Architectural Membrane Structures are characterized by having rather small mass relative to the applied load, which is determined through an optimization process. The primary types of the structures include synclastic (frame supported), anticlastic (cable net), cable and-strut (tensegrity), air supported and air inflated. The process of tensile membrane structures starts with the Architectural concept and ends with installation. Materials like PVC/ Polyester, PTFE/Glass fibre coated fabrics, uncoated woven PTFE fabrics, ETFE membranes and Mesh fabrics will enthral and take the shape of tomorrow to come



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## *Interiorsfactory Tensile Membrane Structure*

Design Process for Tensile Structures For light-weight and tensile structures, the design process differs greatly from those for traditional building structures. Let's take tensile membrane structures for example. There are two essential features differ from conventional structures, i.e. membrane structures need form-finding and cutting pattern generation. The design of a membrane structure is a complex procedure consisting of many parts which results in an iterative process. This process may include: conceptual design; physical modeling; computer modeling; form-finding; analysis; and cutting pattern generation.

### **Form-Finding**

Generally the form-finding is to provide the exact shape of structure. The design usually commences with a sketch drawn by the architect. This sketch provides the basis for further conceptual design. Because the membrane is flexible, the surface shape and structural stability is mainly governed by the stresses, either physical modeling or computer simulation of the structure is required to help the designer to find realistic shapes.



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## *Interiorsfactory Tensile Membrane Structure*

### **Manufacturing**

Subsequent to analysis and patterning the fabric is cut on precision cutter plotters and fabricated with the help of high frequency welding machines. Erection and Installation, Erection of the membrane has to be undertaken with utmost care to ensure no damage is caused to the membrane. Care has to be taken keeping the wind speeds and rain in mind unlike the conventional erection of heavy structures.

### **Services**

- \*Tensile Indoor and Outdoor) & Light weight Structures
- \*Awnings Canopies
- \*Outdoor & Swimming Pool side furniture's , Umbrellas
- \*Polycarbonate and P.V.C. Membrane Covering
- \*Car Parkings , Domes, Atriums, Walkways etc
- \*Roller Blinds , Timber Blinds

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**Thank You**

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