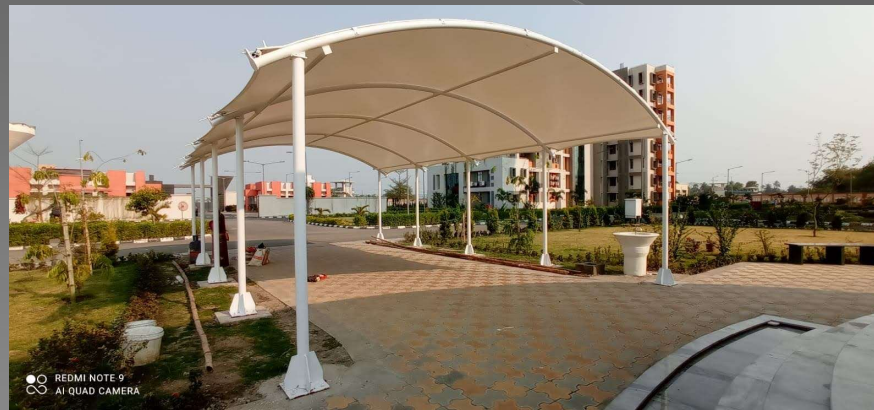




CND ENGINEERING PVT.LTD.

Tensile Architect



- ❖ Durability
- ❖ Elasticity
- ❖ Strength
- ❖ Weather resistance
- ❖ Flame resistance
- ❖ Aesthetic

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TENSILE STRUCTURE

The Versatility of Tensile Canopies for Car Parking: Options and Applications.

Tensile canopies have become increasingly popular in car parking areas due to their versatility, design flexibility, and durability. These canopies can be used in various parking areas, including commercial, residential, and institutional areas. They offer a range of benefits, including weather protection for vehicles, UV protection for drivers, and aesthetic value. **Tensile Canopy for Car Parking** can be designed to complement the surrounding architecture, making them a popular choice for modern car parking areas.

Common Misconceptions :-

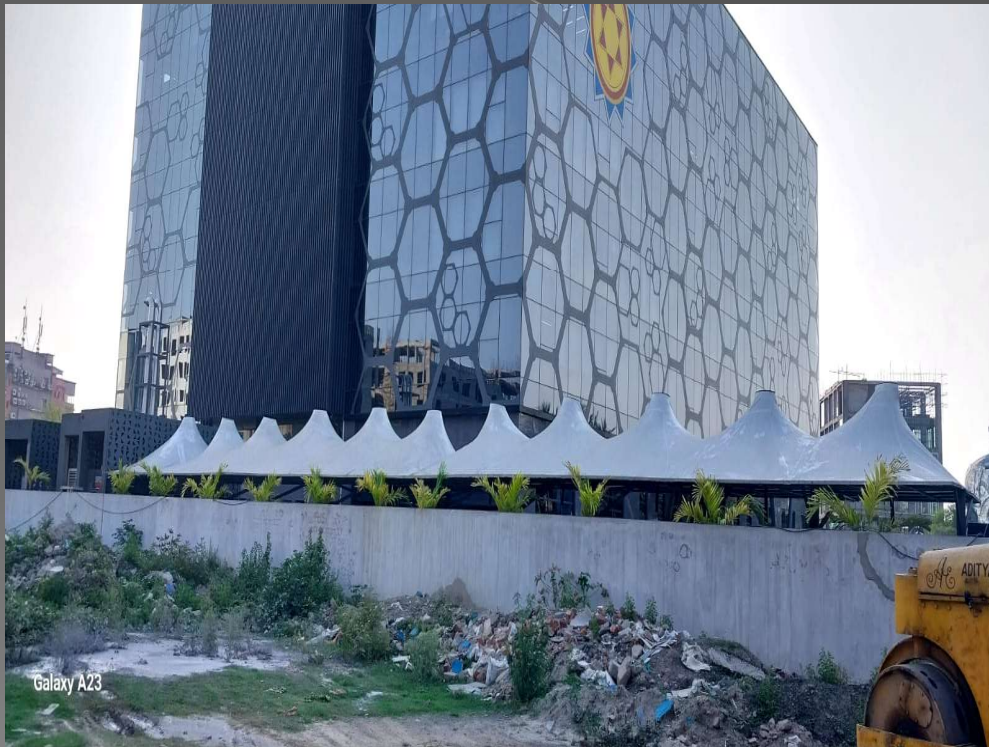
Fabric structures can not take heavy weather condition is an incorrect statement.



Fabric is elastic and stretches



Fabric has a strange tensile strength and will creep (stretch very slightly) only a few percent over 20 years of use



ADVANTAGES

- ❖ Longer life cycle of materials.
- ❖ Materials can be re-used in form.
- ❖ Most materials are completely recyclable.
- ❖ Less impact on site.
- ❖ Less construction debris after demolition.
- ❖ Unique designs.
- ❖ Lightweight and flexible.
- ❖ Environmentally sensitive.
- ❖ High strength weight ratio.

DISADVANTAGES

- ❖ Little to no rigidity.
- ❖ Loss of tension is dangerous for stability.
- ❖ Thermal values limit use.

Specialized Hardware



Tripod head with centenary cables



Centenary cables at a side connection

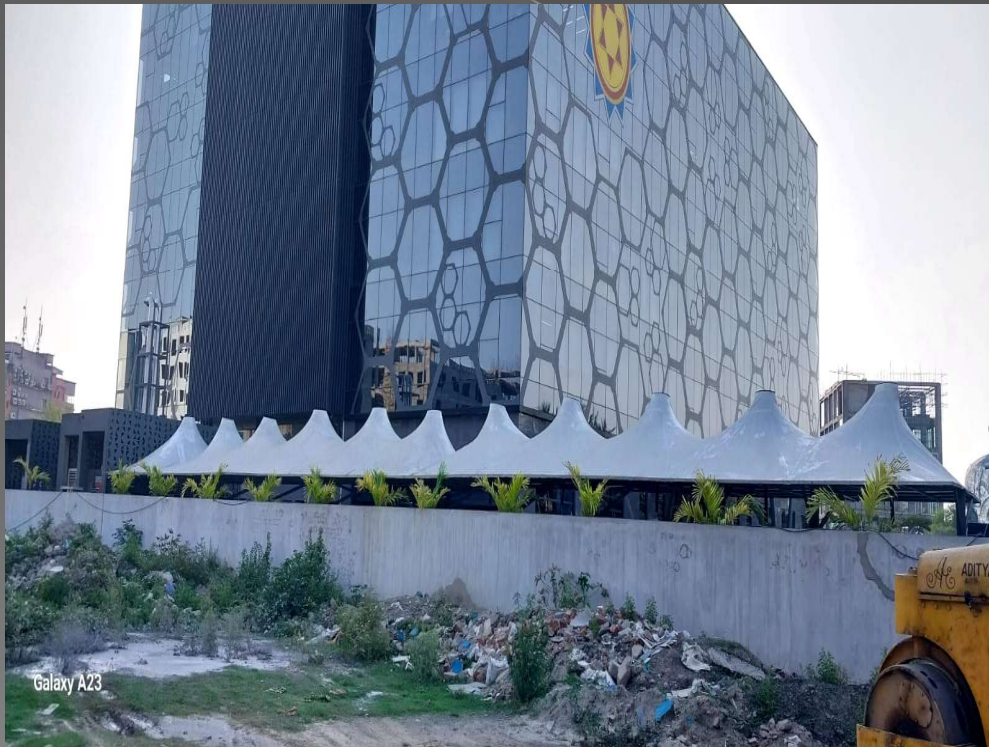


Tensioner



Extruded section with membrane plate and centenary cables

Fabric has a strange tensile strength and will creep (stretch very slightly) only a few percent over 20 years of use



COMPONENTS

- ❖ BASE PLATE
- ✓ Connection to concrete foundation pillar.
- ❖ Membrane
- ✓ Forms the enclosure of the structure connections can be glued or heat welded.



COMPONENTS

❖ BALE RING / MEMBRANCE PLATE

Provide a link between the membrane and structural elements

- ✓ Bale rings are used at the top of conical shapes.
- ✓ Membrane plates accept centenary cables and pin connection hardware.



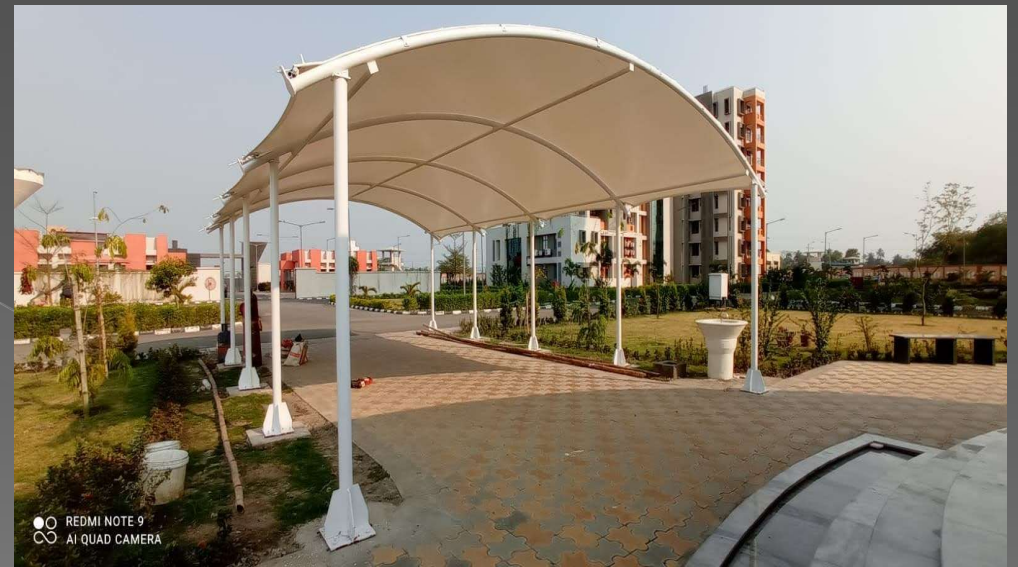
Type of Fabric Structure



Type of Fabric Structure



Type of Fabric Structure



Type of Fabric Structure



Our Satisfied Client



EDEN

