**ETFE cushion Connector**
Detail showing connection detail of ETFE cushion envelope to Structural steel beams. Typical envelope detail for greenhouses.

**Perforated metal mesh Connector**
Detail showing connection detail of Perforated metal mesh envelope to Structural steel beams. Typical envelope detail for Commercial/Housing facilities.

**ETFE membrane Connector**
Detail showing connection detail of ETFE membrane envelope to Structural steel beams. Typical envelope for public spaces such as restaurants and common areas.

**Envelope Connector details**
**Scale 1:5**

- Steel profile for connection
- RHS steel box
- Bron Perforated Metal-Mesh
- Structural steel beams (dimensions based on spans and loads)
- Profiles to create perpendicular surfaces for attaching perpendicular profiles available in the market
- Membrane stretched over tensioning cables
- L section steel profiles
- Translucent Insulation 80mm
- Translucent GRP/FRP panels on aluminium frames attached to structural steel beams

- Steel profile for connection
- Membrane stretched over tensioning cables
- RHS steel box
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- Double layered ETFE cushions that can be filled with coloured/insulating inert gas to create insulation or instantly control indoor air temperature. The colour of gas can influence the transparency of the envelope to solar insolation.
- Steel profile for ETFE connections
- RHS steel box
- Plastic pipes carrying gas for cushions and anchored to the beams
- Structural steel beams (dimensions based on spans and loads)