

CTF-System

Cable Tensioned Fabric

Membrane System

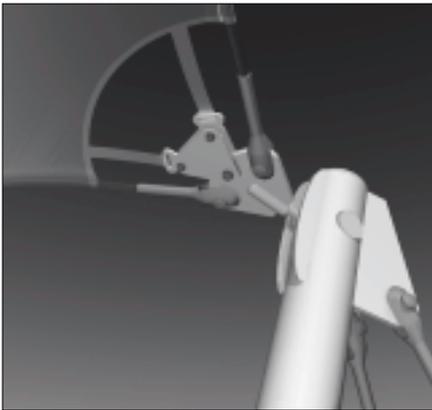
NOVUM



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Cable Tensioned Fabric

Membrane System



System Components

01. PVC or PTFE welded fabric
02. High strength stainless or galvanized steel cables
03. Adjustable tensioning barrels
04. Structural steel support
05. Rain water diverters
06. Stainless steel corner plates
07. Fully integrated perimeter detailing



Applications

01. Long span, cost effective, translucent roofing applications
02. For designs requiring large areas with adequate double-curvature
03. Very light weight primary structures
04. Free form surfaces
05. Ideal for canopies, roofs, and areas requiring light weight translucent or more opaque covering with minimal maintenance



System Attributes

01. Full single service responsibility for structure and enclosure
02. The fabric materials (PVC or PTFE) provide multiple aesthetic and functional benefits
03. Extremely light weight roofing element
04. Very high strength to weight performance by utilization of biaxial tension
05. Fabric materials are resistant to most chemicals and perform in many diverse climates and environments The thickness can be structurally optimized
06. Fabric materials transmit an average 10% to 15% of visible light
07. Minimal maintenance costs
08. No requirement for power and associated operational costs once built
09. A long life, low maintenance, reasonably "self cleaning" surface due to special PTFE or PVDF coatings
10. Fabrics may sustain damage, but do not readily tear. Discreet patching and local repairs are possible at site
11. Fire rating BS476 6&7 class 0, UL 94 V-0 and Euro Class Bs1d0

Options/Materials/Finishes

01. Many standard colors are available
02. Membrane printing is available on PVC and can be customized for full screen or logo requirements using digital technology
03. Cables can be galvanized or stainless steel depending on forces

Front: Sainsbury's, Maidenhead
Architect: Chetwood Associates