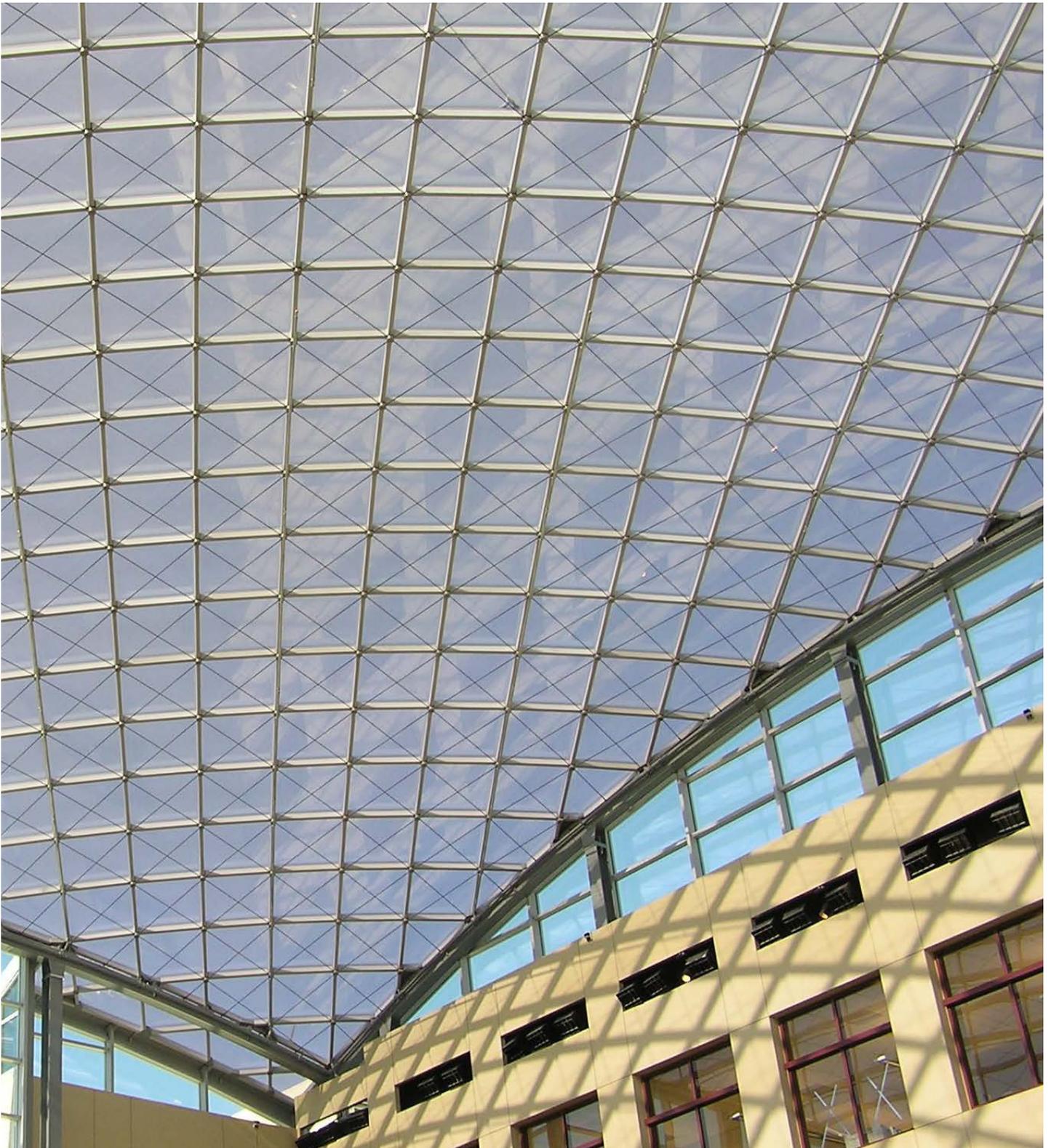


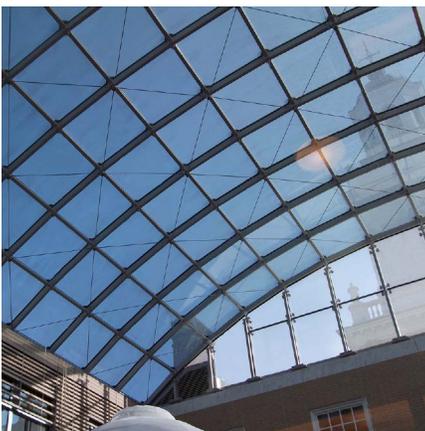
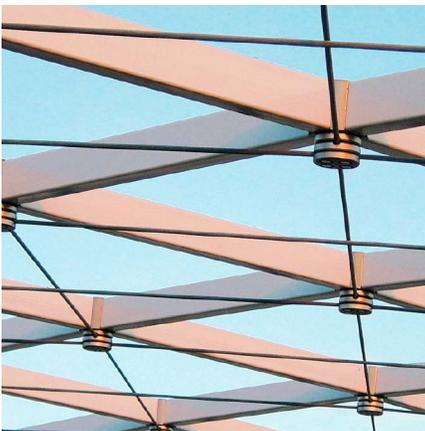
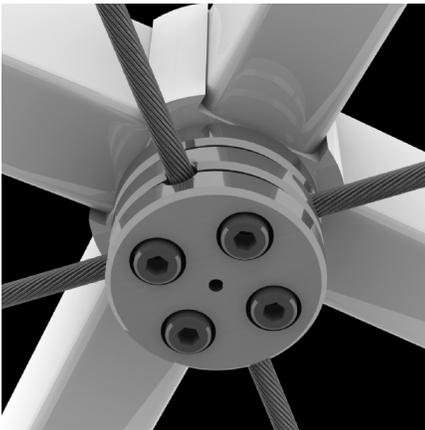
DC-System

Disc Clamp

Tensile System

NOVUM





System Components

01. Discs are cast stainless steel Grade 304 or 316 or galvanized mild steel
02. Tension elements are stainless rods and stainless or galvanized cables
03. Bolts are typically Grade 316 stainless steel or high strength steel with electroplated or dacromet corrosion protection depending on environment

Applications

01. Roofs, facades, canopies and atriums as a means to join overlapping cables at their geometric intersections
02. Sole use is as a means to connect a secondary net of tension elements to a primary grid shell structure to stiffen it or brace it. The net can be a variety of geometries and densities depending on application
03. Used only in conjunction with other Novum Systems – BB, KK and AES
04. Prestress loads are induced as a combination of the clamping process and pulling of the tension elements

System Attributes

01. Clean high-tech aesthetic which triangulates orthogonal grids with minimal materials
02. Stiffening of thin grid shells is very efficient
03. Design of matching clamps allows for elegant minimally sized connections
04. Clamps are specially designed to integrate with Novum BK-System
05. Allows two axis angular changes of tension elements at intersection points
06. Exposed, yet recessed fasteners provide a well designed clean aesthetic
07. Structural needs are optimized in any application by the use of different rod or cable diameters
08. System is fully engineered by Novum's in-house engineers
09. Integrates simply with many other Novum Structural Systems (BK, BB and AES)

Options/Materials/Finishes

01. Galvanized mild steel castings are standard
02. Options include satin finish or bead blasted stainless steel
03. Rods are satin finish
04. Galvanizing is standard for cables. Stainless steel is an optional upgrade
05. Liquid polyurethane finish is possible on external faces of the clamp