

AES-System

Architecturally Exposed Steel

Structural System

NOVUM





### System Components

01. High strength mild steel is the usual material choice. Designs typically feature mechanically fastened connections and architectural quality welds
02. Finishes are painted or powder coated depending on size and substrate
03. Profiles are normally standard sizes but can be custom built or laser welded

### Applications

01. Used in applications where other Novum Systems are less applicable
02. Where a design or constructability requirement exists for large elements and/or profile sizes
03. Where connections and finishes are crucial for specific design criteria
04. Primarily used where geometries are not overly complex

### System Attributes

01. High quality architectural steelwork with mechanical connections
02. Accommodates curved components
03. Hollow sections are typical, but we also fabricate using wide flanges, T-sections, angles, channels and laser profiles
04. Custom shapes, tapered profiles and oblique angle connections are achievable
05. Manufactured in a Novum facility or by strategic global partners that meet our quality standards
06. Factory finishing and careful packaging reduces the requirement for field applied paint
07. Designed and produced by a systems-oriented team with expertise in quality of details, finishing and installation
08. Certified welders, full quality control programs and in-house inspectors
09. Systems and structures are designed by Novum's in-house engineers
10. Integrates with all Novum Glazing Systems, Membrane Systems and Tensile Systems

### Options/Materials/Finishes

01. Available in different levels of weld visual quality
02. Standard product is primed and painted with a high performance polyurethane or polysiloxane top coat
03. Available in mild steel, stainless steel or combinations
04. Depending on application, hot dip galvanizing is available as a substrate for additional corrosion protection creating a duplex system