SIGNATURE ARCHITECTURAL DOME SOLUTIONS

Bell County Expo Center
Belton, TX
Cladding: Aluminum Panels
Shanghai Science & Technology Museum
Pudong, Shanghai
Cladding: Acrylic Panels
CST Covers architectural domes can shape a building from the ground up. A versatile clear-span structure, CST Covers architectural domes feature a framing system of wide-flange extrusions skinned with triangular or rectilinear panels.

Fabricated from lightweight, 100% recyclable and corrosion resistant aluminum components, CST architectural domes ideally blend form and function to provide unmatched building envelope shape and geometric form options.

With the ability to cover clear-spans as large as 900 feet, CST has built churches, gymnasiums, auditoriums, exhibit halls, arenas and even convention centers. Distinctive in appearance, cost effective and often acoustically superior, architectural domes can encompass a world of action!

Henry Doorly Zoo
Omaha, NE
Cladding: Formed Crystagon™/Acrylic Skylights
CLEAR SPAN SYSTEMS

Clear Span Systems are used for curved roofs and can be custom designed to develop a broad range of shapes and sizes. The single layer aluminum framework is offered as either an integral glazing system or integral roof and insulation system. Typical building footprint applications include ellipsoidal, oval, rectangular and circular. The high strength of a clear span dome system is derived from:

- GEOMETRIC PATTERNS
- CST’S PROPRIETARY CONNECTION DESIGN
- HIGH STRENGTH ALUMINUM ALLOYS USED FOR MEMBERS AND CONNECTIONS

High quality prefabricated aluminum components and lightweight aluminum members ensure speed of delivery and ease of construction.

OMNI*HUB® Universal Space Frame Systems and Spectraform® Truss Supported Structures are also available. Contact your CST Covers representative for more information.
WHY ALUMINUM?

Aluminum meets economic goals because of its higher strength-to-weight ratio than most other metals or materials at less than 1/3rd the weight of steel. Using high strength, low weight material results in a reduction of project material cost as well as associated transportation and assembly cost.

Aluminum delivers unparalleled performance:

- Corrosion resistant and durable – does not rust or spall
- Self-healing if scratched
- Unique structural and architectural sections (extrusions) provide design flexibility
- Wide range of finishing options
- Excellent strength-to-weight characteristics
- 1/3 the weight of steel
- Lower life-cycle costs than steel
- A “green” choice - 100% recyclable and more than 50% of aluminum used in product is recycled aluminum

SUSTAINABILITY
NEVER LOOKED SO GOOD!

Extrusions allow you to put the metal where it’s needed.
CLADDING ALTERNATIVES

CST architectural domes can easily accommodate virtually any cladding material available in the marketplace today. This includes acrylic, glass, fabric, metal panels, insulated composite panels, corrugated decking, polycarbonate and perforated metal. It is possible to fabricate any aluminum extrusion for the optimization of the various cladding attachment methods.
Golden Moon Hotel & Casino
Philadelphia, MS
Cladding: Triangular Fabric Panels

Panther Academy
Patterson, NJ
Cladding: Stretch Formed Aluminum Panels

Clayarch Gimhae Museum
Gimhae, Korea
Cladding: Laminated Glass

Great Lakes Science Center
Cleveland, Ohio
Cladding: Spherical Aluminum Shingles
Spruce Goose Exhibit
Long Beach, CA
Cladding: Bonded Insulation

Moviestar Arena En Parque O’Higgins
Santiago Chili
Cladding: Mill Finish Aluminum Panels

Shamu Dome
Seaworld®
Cladding: Bonded Insulation

Bell County Expo Center
Belton, TX
Cladding: Aluminum Panels
Faith Dome of Crenshaw Christian Center
Birmingham, AL
Cladding: Painted Aluminum Panels

Newseum
Washington, DC
Cladding: Stretch Formed Aluminum Panels

Womens Sports Pavilion
Doha, Qatar
Cladding: Bonded Insulation

Al Faisaliah Tower,
Riyadh, Saudi Arabia
Cladding: Insulated Glass
Our team brings years of creative experience with literally thousands of successful projects worldwide. Excelling in design, engineering and fabrication, CST provides the creative assistance you need to ensure your project is completed on time and within budget.

- Design — Working closely with your project team, our design consultants can help turn your concept into a creative and cost effective solution.
- Engineering — From proof of concept to final structural design, our team of professional engineers ensure your ideas become reality.
- Fabrication — Utilizing a state-of-the-art fabrication facility and maintaining stringent production standards and controls, we bring a level of quality to your project that brings your design to life.
- Installation — Proprietary assembly processes and specialized construction equipment brings an unmatched level of quality and efficiency.

FROM CONCEPT TO COMPLETION

Government Building
Hunan Province, China
Cladding: Flush Mounted Laminated Glass
LIMITED ONLY BY THE DESIGNER’S IMAGINATION...

VIRTUALLY ANY SHAPE OR FORM CAN BE DESIGNED USING AN ALUMINUM STRUCTURAL OR SPACEFRAME SYSTEM

Government Building
Hunan Province, China
Cladding: Flush Mounted Laminated Glass
With multiple offices around the world, CST is poised to provide the best and most timely customer service regardless of the project location.

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Go to www.cstcovers.com for information on sales service offices.