



SIGNATURE
ARCHITECTURAL
SOLUTIONS

CST
COVERS

Shanghai Science & Technology Museum
Pudong, Shanghai

COVERING SPACE CREATIVELY

CST Covers is a global design/build firm with expertise in high-strength aluminum signature solutions including spaceframes, domes, environmental enclosures, canopies, large span, and specialty lightweight structures. All are designed with corrosion resistant material for unique eco-friendly applications.

Sustainability requirements present a long list of challenges for architects and designers, but with CST Covers architectural systems, the ability to create bold, innovative new designs isn't one of them.

Fabricated from lightweight, 100% recyclable aluminum components suited for both overhead and vertical applications, our integrated architectural systems ideally blend form and function to provide unmatched building envelope shape and geometric form options.

Aluminum meets economic goals because of its higher strength-to-weight ratio than most other metals or materials. Aluminum is one of the most efficient structural materials providing more strength than steel at less than 1/3rd the weight. The non-corrosive attribute of aluminum provides a lifecycle unmatched by any other material on the planet. Using high strength, low weight material results in a reduction of both project material cost as well as associated transportation and assembly cost.



Botanical Gardens
San Antonio, TX

WHY ALUMINUM?

Aluminum delivers unparalleled performance:

- Corrosion resistant and durable – does not rust, rot 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
- Light weight components reduce assembly and installation costs
- Aluminum weighs 1/3 of the weight of steel
- Lower life-cycle costs than steel
- Recycled content/100% recyclable
- More than 50% of aluminum used in product is recycled aluminum

ALUMINUM—THE “GREEN” CHOICE

Aluminum is recyclable, sustainable, and versatile; three key qualities for any material being used to construct a green building. Historically, aluminum has proven to be one of the most important materials in successful recycling programs. Aluminum offers high scrap value, widespread consumer acceptance, and aluminum recycling enjoys significant industry support. In addition to recyclability, other eco-friendly qualities that aluminum touts while meeting green building requirements include its superior strength-to-weight ratio, which allows for the reduction in weight of materials, and its extrudability, which accommodates off-site fabrication.

SUSTAINABILITY
NEVER LOOKED SO GOOD!



CST ARCHITECTURAL STRUCTURES LIMITED ONLY BY A DESIGNER'S IMAGINATION!



Golden Moon Hotel & Casino
Philadelphia, MS



Solar Collector
Red Rock, AZ



Lockheed Martin Entrance Gate
Ft. Worth, TX



Lynx Central Station
Orlando, FL



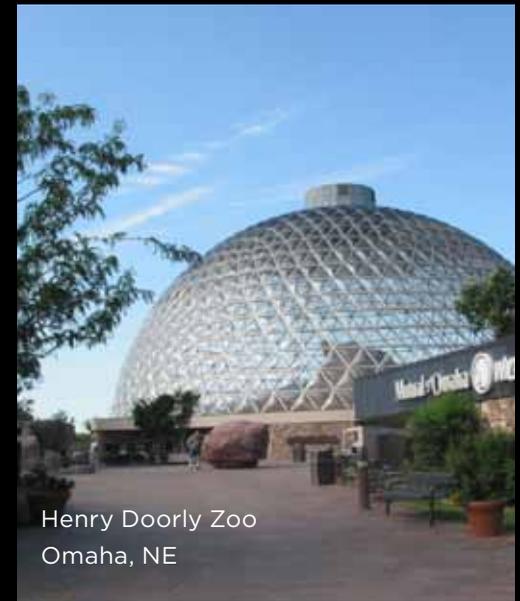
Naples Museum of Art
Naples, FL



Shanghai Science & Technology Museum
Pudong, Shanghai

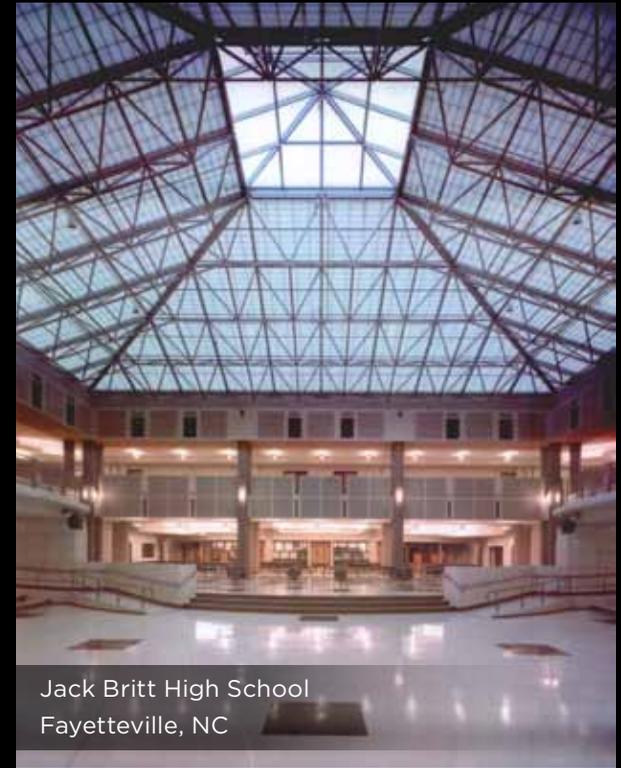


Clayarch Gimhae Museum
Gimhae, Korea

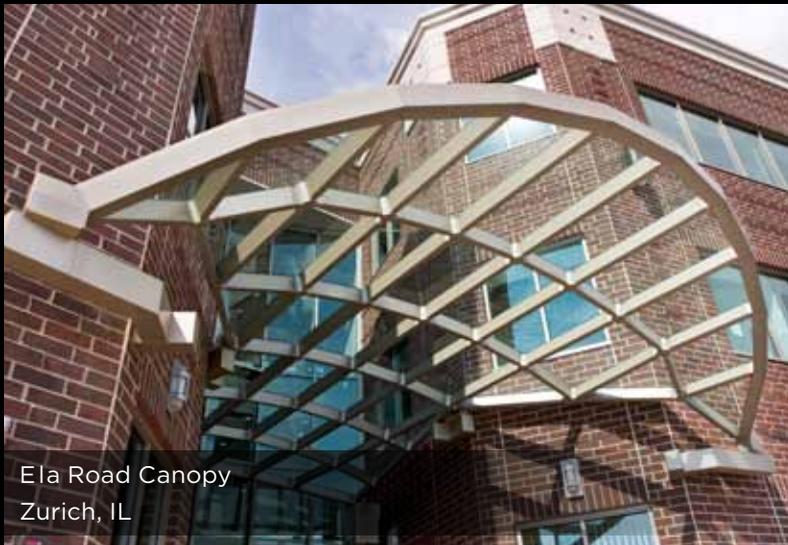


Henry Doorly Zoo
Omaha, NE

Francis Gregory Museum
Washington, DC



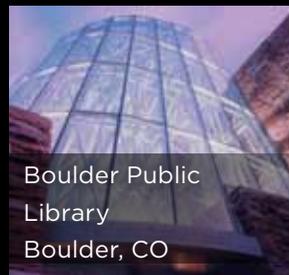
Jack Britt High School
Fayetteville, NC



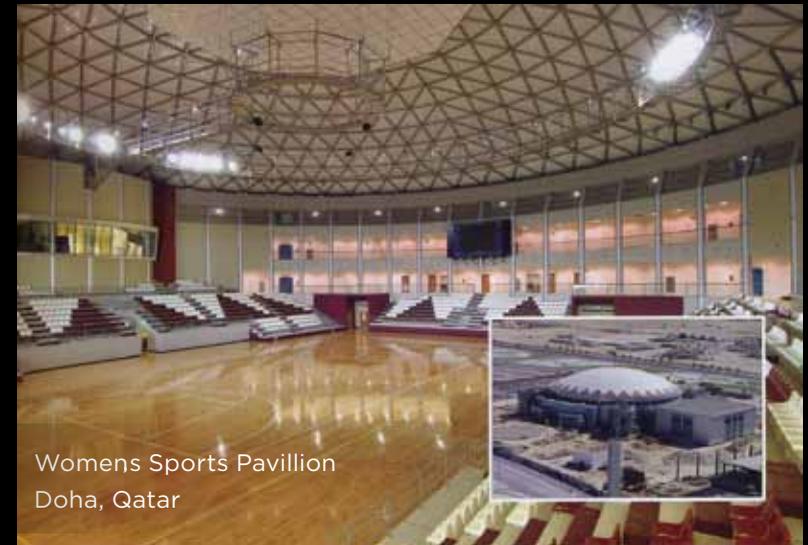
Ela Road Canopy
Zurich, IL



Pepsi Globe
Caracas, Venezuela



Boulder Public
Library
Boulder, CO



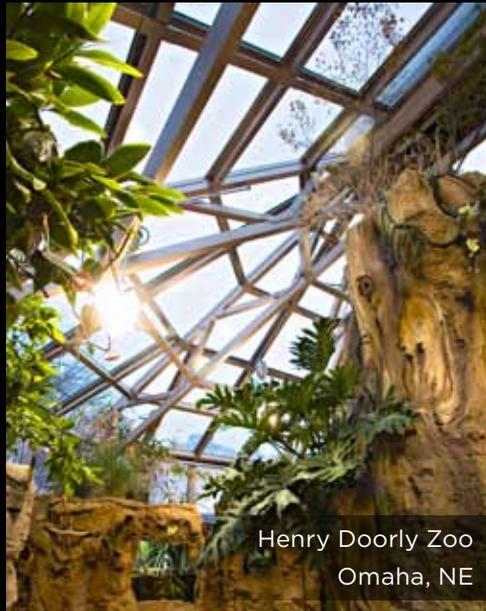
Womens Sports Pavillion
Doha, Qatar



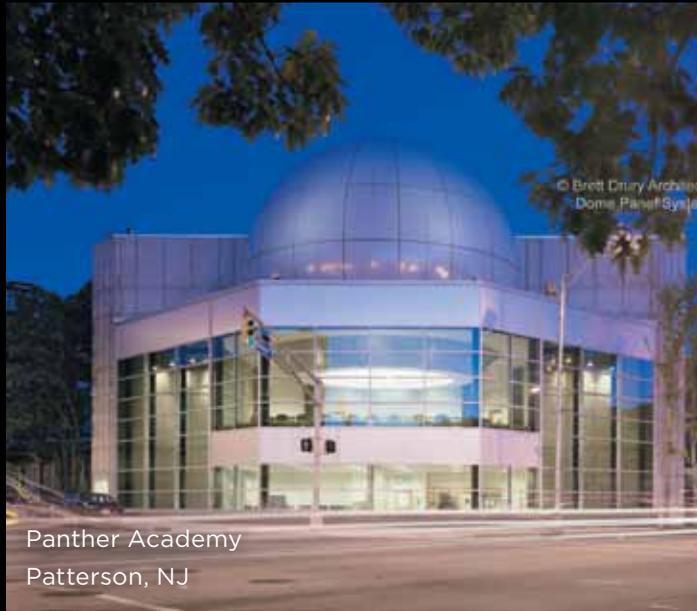
Marina Grande Condominiums
Holy Hill, FL



Children's Hospital
Milwaukee, WI



Henry Doorly Zoo
Omaha, NE



Panther Academy
Patterson, NJ



Blue & Green Diamond Condominiums
Miami Beach, FL

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.



Government Building
Hunan Province, China

OMNI * HUB® UNIVERSAL SPACEFRAME SYSTEMS

This lightweight all aluminum spaceframe offers unlimited design flexibility and strength. The geometric form, structural footprint and profile are only limited by the designer's imagination. With its concealed fastening system, tapered end connectors, round members and solid aluminum hubs, the system offers an unrivaled lightweight appearance, smooth lines and boundless finishing possibilities. The OMNI*HUB® system's inherent strength and architectural clean appearance makes it ideal for large interior and exterior clear span applications.



Trump Palace Condominiums
Sunny Isles, FL

SPECTRAFORM® TRUSS SUPPORTED STRUCTURES

As a defining element of a building envelope, our SPECTRAFORM® system offers a degree of versatility rarely found in the architectural field. Utilizing discrete structural trusses, the SPECTRAFORM® system is capable of spans up to 300 feet. The product's low density grid permits abundant natural light to enter the architectural space while the system's profile adds an unmistakable design signature. Design flexibility is among the SPECTRAFORM® system's most compelling advantage. Indeed, each configuration creates its own uniquely elegant statement.

King Abdullah University
of Science & Technology
Jeddah, Saudi Arabia



CLADDING ALTERNATIVES

CST architectural systems can easily accommodate virtually any cladding material available in the marketplace today. Some of the typical cladding products used with CST structural systems include acrylic, glass, fabric, metal panels, insulated composite panels, corrugated decking, polycarbonate and perforated metal. Utilizing extrudable aluminum and CST's fabrication capabilities, it is possible to fabricate any extrusion for the optimization of the various cladding attachment methods.

Cambier Park
Naples, FL



FROM CONCEPT TO COMPLETION

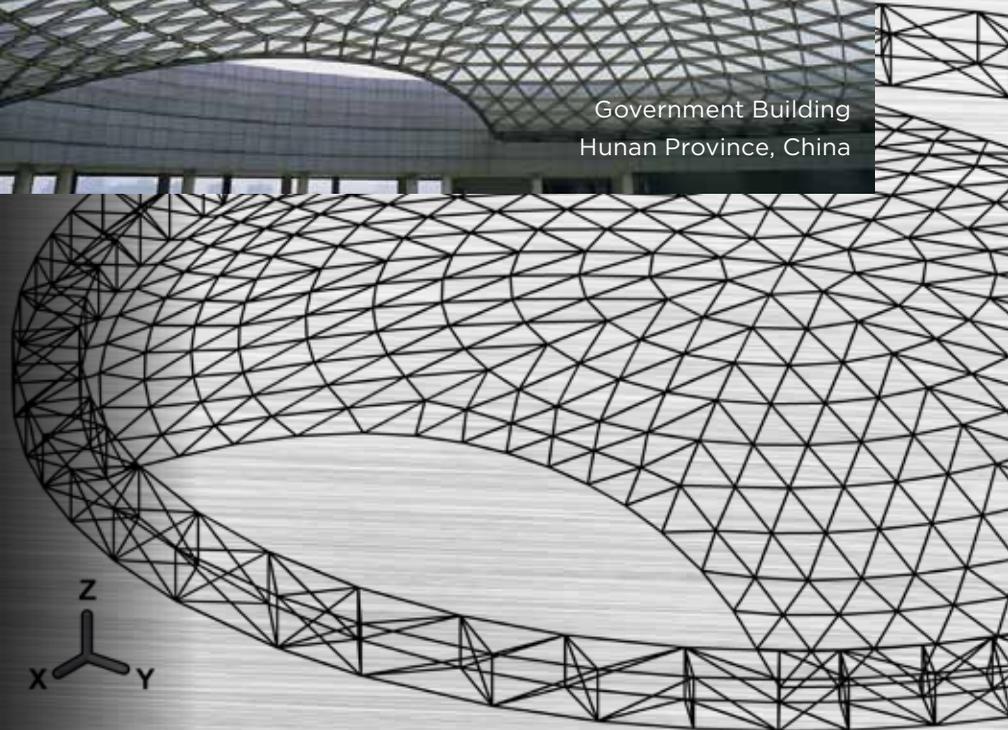
Creative assistance are two words synonymous with CST Designers, Engineers and Project Managers. Our team brings years of experience with literally thousands of successful projects worldwide. We excel in the design and fabrication of everything from spaceframes, domes, and environmental enclosures to large span structures, canopies, atriums and specialty structures.

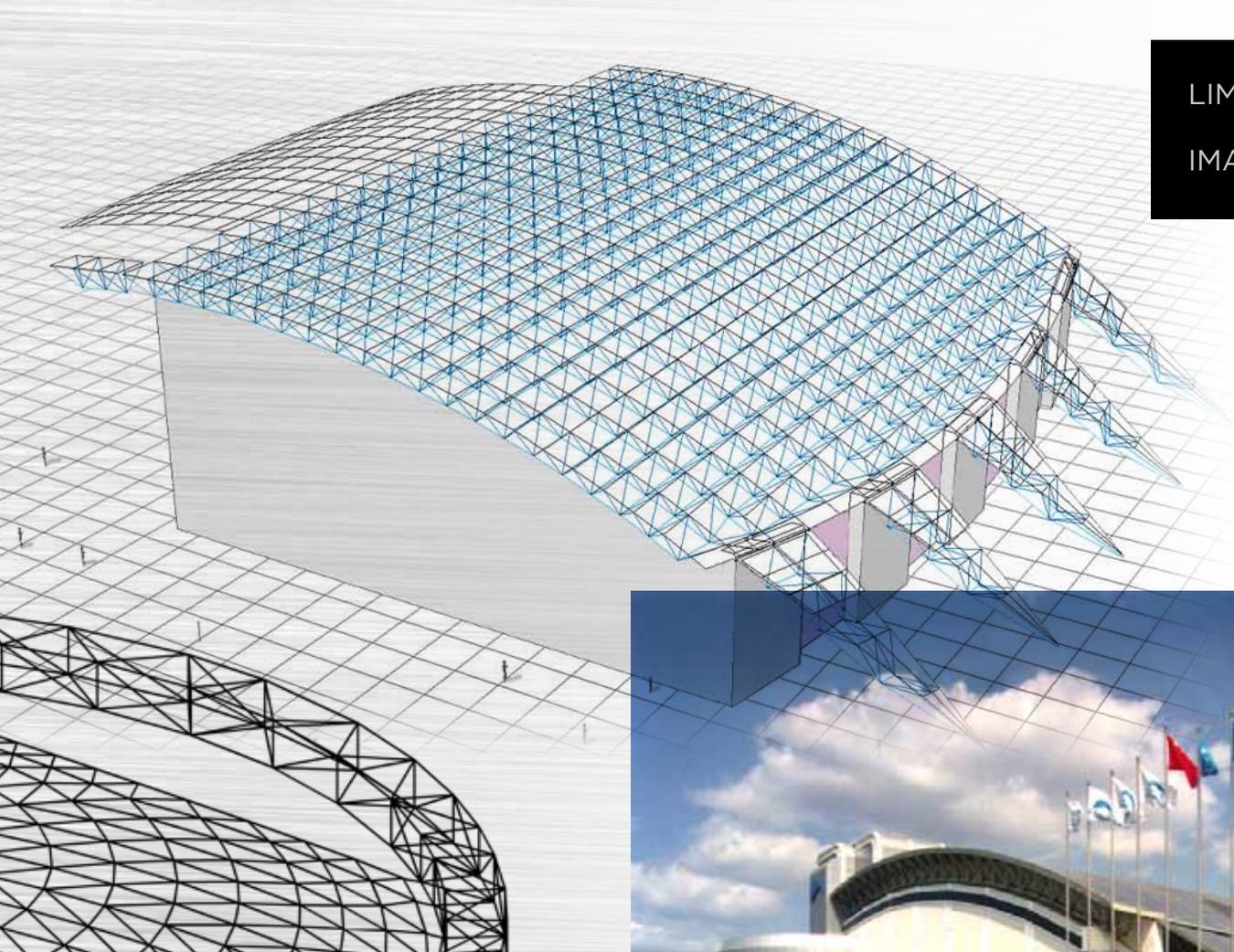
CST provides the creative assistance you need to ensure your project is completed on time and within budget.

- Design—Working closely with your project team, our design consultants can help turn your concept into a creative and cost effective solution. We know every project is different and we use proprietary 3D modeling software to assure we present the best structural options for your most specific needs.
- Engineering—From proof to concept to final structural design, our team of professional engineers ensures your ideas become reality. In facing any design challenge, our engineers strive to meet your design requirements as efficiently and economically as possible.
- 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—Our lightweight aluminum components, proprietary assembly processes and specialized construction equipment bring an unmatched level of quality and efficiency. At any given time, our crews and construction consultants are working at sites around the world.

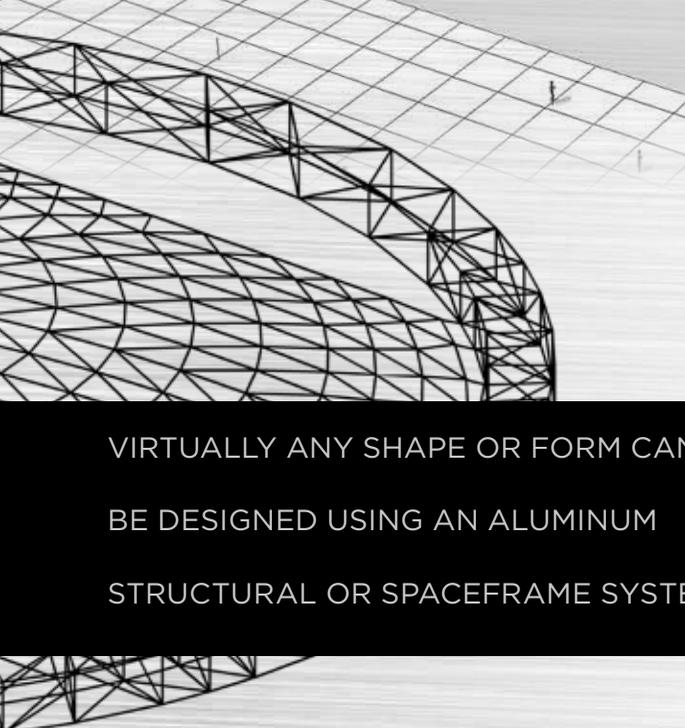


Government Building
Hunan Province, China

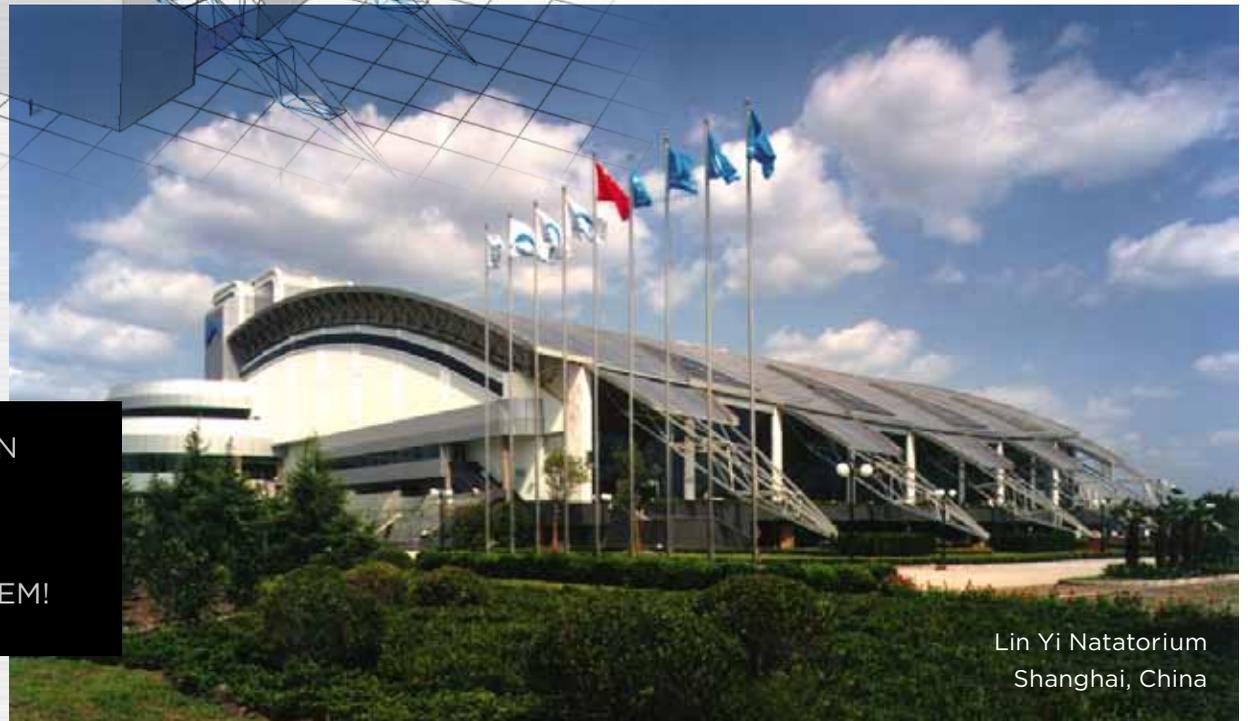




LIMITED ONLY BY THE DESIGNER'S
IMAGINATION...



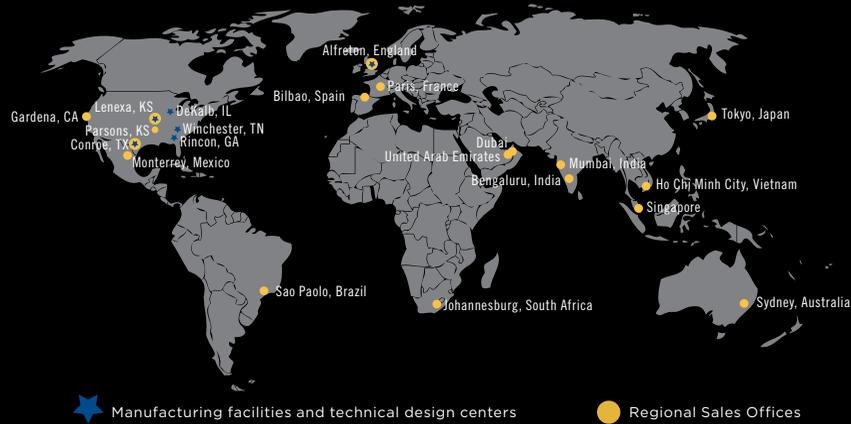
VIRTUALLY ANY SHAPE OR FORM CAN
BE DESIGNED USING AN ALUMINUM
STRUCTURAL OR SPACEFRAME SYSTEM!



Lin Yi Natatorium
Shanghai, China

WORLDWIDE AVAILABILITY

CST Global Manufacturing and Offices



With multiple offices around the world, CST is poised to provide the best and most timely customer service regardless of the project location.

CST Covers Headquarters

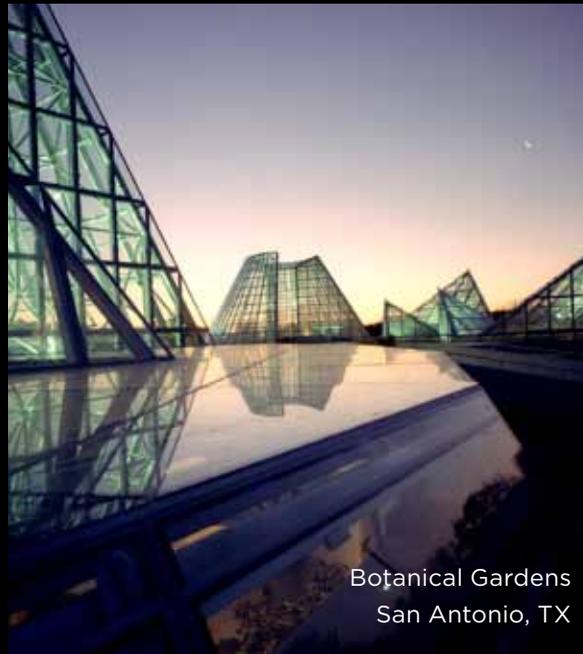
498 N Loop 336 E
Conroe, TX 77301
Phone: +1-936-539-1747
Fax: +1-936-539-5355

Go to www.cstcovers.com

for information on sales service offices.



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Botanical Gardens
San Antonio, TX



Fort Fisher Aquarium
Kure Beach, NC