



OptiDome™

FLUSH BATTEN ALUMINUM GEODESIC DOME

The New Standard in Engineered
Aluminum Cover Technology



CST
COVERS

The flush batten OptiDome™ is a next generation aluminum geodesic dome from CST Covers, a division of CST Industries, Inc. Its new, innovative and optimized design has features that result in a simple and unequaled new choice to fulfill customer needs.

- Optimized Structural Design
- Optimized Batten Seal Technology
- Optimized Aesthetics

Combining premium features and incorporating the engineering experience and heritage of Temcor and Conservatek, OptiDome sets a new standard in engineered aluminum cover technology.

OPTIMIZED STRUCTURAL DESIGN

CST's advanced OptiDome design complies with torsional buckling requirements which have been adopted by Eurocode, 2010 Aluminum Design Manual and International Building Code 2012. The Double Web I-Beam, combined with aluminum's excellent strength-to-weight ratio, provides reliable performance under the most stringent environmental conditions including heavy snow loads and high wind speeds.

OptiDome is designed to meet the latest design codes.

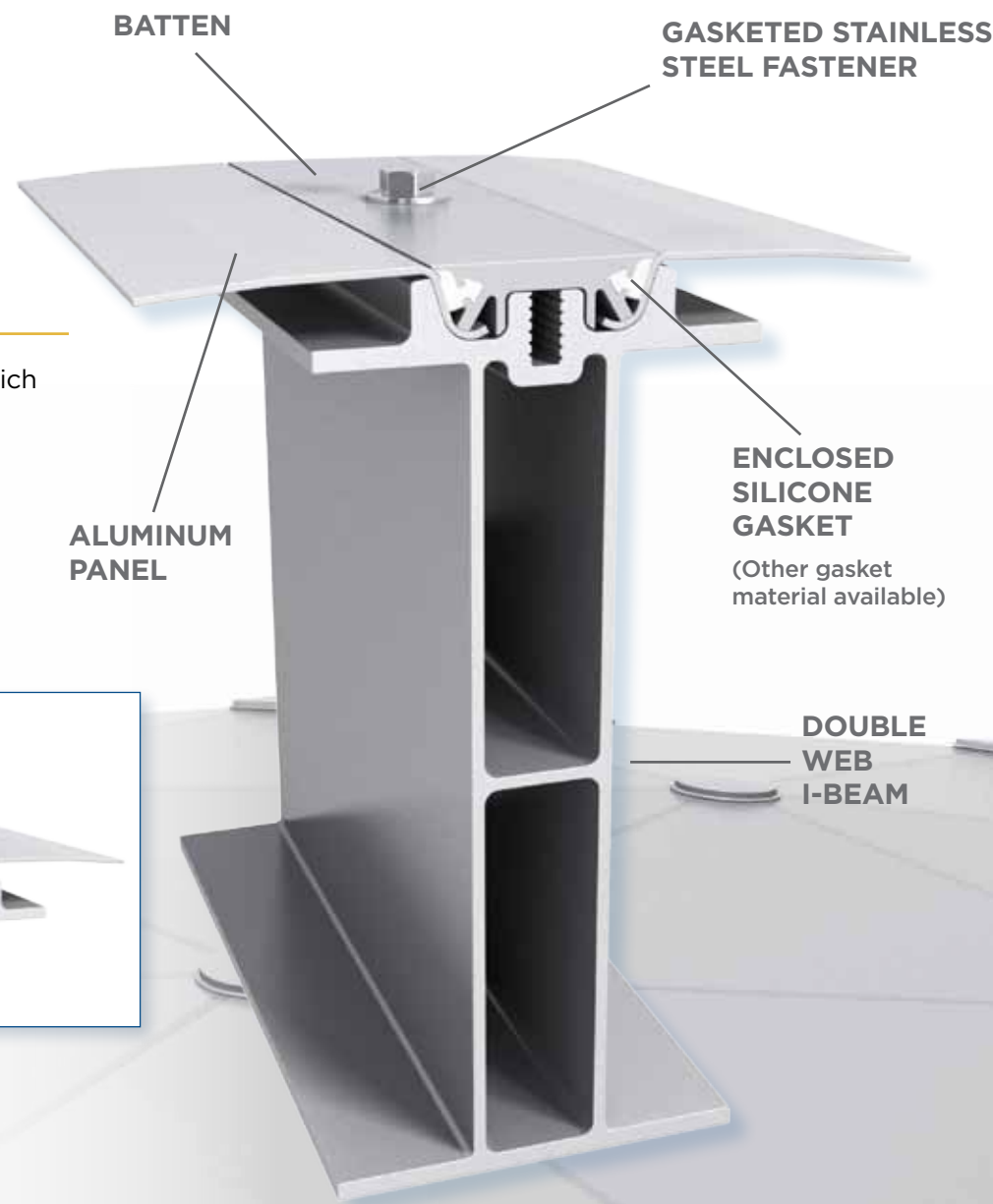
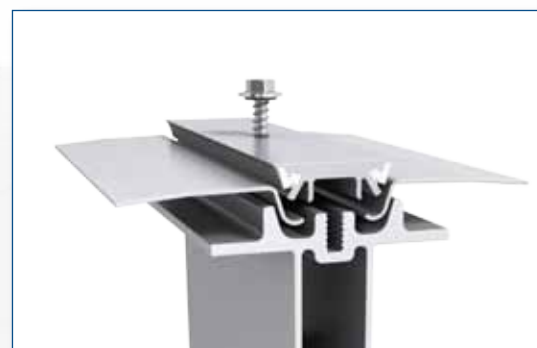
- Eurocode
- Aluminum Association's 2010 Aluminum Design Manual
- IBC 2012
- AWWA D108
- API 650G

Building OptiDome with a premium material like aluminum offers clear benefits.

- Corrosion resistance
- No routine maintenance required
- Clear-span capability
- Fast and low-cost construction
- Design flexibility
- Aluminum is a "Green" material

Every CST aluminum cover is custom designed to meet the specific requirements of each project and be engineered for any snow, wind or suspended load capacity, as well as span-to-rise-ratio.

With the ability to cover spans of 700 feet or more, OptiDome offers a wide range of applications without unsightly beams, girders or columns.



OPTIMIZED BATTEN SEAL TECHNOLOGY

At the core of OptiDome is its superior, patent pending batten seal technology. This system increases water shedding and eliminates ponding, even on a low profile design, while providing a water-tight cover solution. Featuring an enclosed gasket design, the batten protects against ultra-violet exposure and sealant degradation. Since battens are flush with dome panels, it eliminates ponding. They are easy to install and require less sealant than typical geodesic domes.

OPTIDOME BATTEN SEAL TECHNOLOGY

- Gasketed stainless steel fasteners
- Protection from UV and sealant degradation
- Flush batten bar
- Flanged hub cover fasteners
- Eliminates ponding
- No exposed sealant at nodes
- Easy to install

OPTIMIZED AESTHETICS

EFFICIENT IN DESIGN.
DISTINCTIVE IN APPEARANCE.
UNSURPASSED IN QUALITY AND VALUE.

CST has combined proven dome design with modern engineering and materials to produce a flush batten aluminum geodesic dome that offers significant economic advantages.

In addition to the optimized design and superior seal technology, the OptiDome has a smooth, sleek appearance. With no external sealant required at the nodes and reduced staining from ponding on panels, customers get the most functional, long lasting dome solution in the industry.



A LEGACY OF COVER INNOVATION

CST Covers is the worldwide leader in the design, manufacture and construction of custom aluminum covers and structures for architectural, environmental, municipal, petroleum and other industrial applications. CST Covers was created by merging the proud traditions of Temcor and Conservatek, the two leading aluminum structure companies in the world.



Since 1964, CST Covers has supplied over 16,000 covers in more than 90 countries.

CST Covers maintains manufacturing facilities and technical design centers in Conroe, Texas; Gardena, California; Longwood, Florida and Rincon, Georgia. The company is headquartered out of the Conroe, Texas location. With multiple offices around the world, CST Covers is poised to provide the best and most timely customer service regardless of the project location.

Contact CST Covers for more information about OptiDome or any other cover and structural needs.

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Go to www.cstcovers.com

for information on sales service offices.

The logo for OptiDome features a dark blue arch above the word "OptiDome" in a bold, grey, sans-serif font. A small "TM" trademark symbol is positioned to the right of the word.

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The logo for CST Covers features the letters "CST" in a large, bold, dark blue font above the word "COVERS" in a smaller, bold, dark blue font. A small globe icon is integrated into the letter "O" of "COVERS".