TemcorRollwell
JVC of Temcor, USA & Rollwell, India

THE CLEAR-SPAN CONSTRUCTION ADVANTAGE.

ARCHITECTURAL CLEAR SPAN

BUILT-IN ADVANTAGES

Efficient in design. Distinctive in appearance. Unsurpassed in quality and value. Temcor Aluminum Domes.

Temcor has combined proven dome design with modern engineering and materials to produce a clear-span roof system that offers significant economic advantages.

Utilizing less material and labor than conventional construction, Temcor domes lower the overall building cost and total construction time. Faster completion and earlier occupancy mean a quicker return on investment.

And the energy efficiency of every Temcor product translates to reduced operating expenses. Since Temcor domes are made of aluminum, they have the inherent advantage of high heat reflectivity and low emissivity. That means lower heating and cooling costs.

Save on maintenance dollars too. The permanent aluminum exteriors never rust, rot, spall or solar degrade. Forget about future re-roofing costs.

The built-in advantages and lifetime beauty of a Temcor clear-span building will be appreciated for years to come.

Ferrell Special Events Center, Baylor University, Waco, Texas. Architect: C/A Architects, Inc.


BAYLOR

CLEAR-SPAN DESIGN

World's largest clear-span aluminum dome, 415 feet in diameter, built to house the famous "Spruce Goose." - currently the world's largest movie studio.
Architect: R. Duell & Associates

"Faith Dome"
Crenshaw Christian Center, Los Angeles.
Architect: Timeless Architecture, Inc.

FUNCTIONAL VERSATILITY

Dramatically beautiful on the outside, the interiors of Temcor Domes are no less spectacular. Spans of 700 feet or more can be supported without unsightly beams, girders or columns.

Under that clear span a world of action unfolds. Ice hockey, basketball, soccer and even rodeos take place inside Temcor Domes.

From sermons to Shakespeare, from wrestling to rock'n'roll, Temcor Domes have proved their versatility in a wide range of applications around the globe.

MacDonald Observatory, University of Texas

Crenshaw Christian Center, Interior.

Interior highlights of Temcor's insulated panel ceiling system.

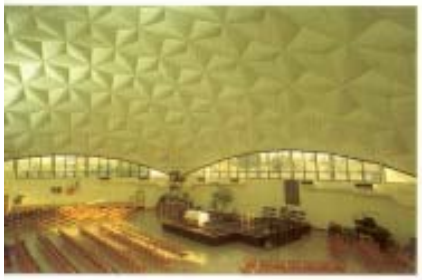
TIMELESS BEAUTY

Our Lady of Mount Carmel, Fairfield, California. Architect: Raymond Abst & Associates

THE GEODESIC DOME

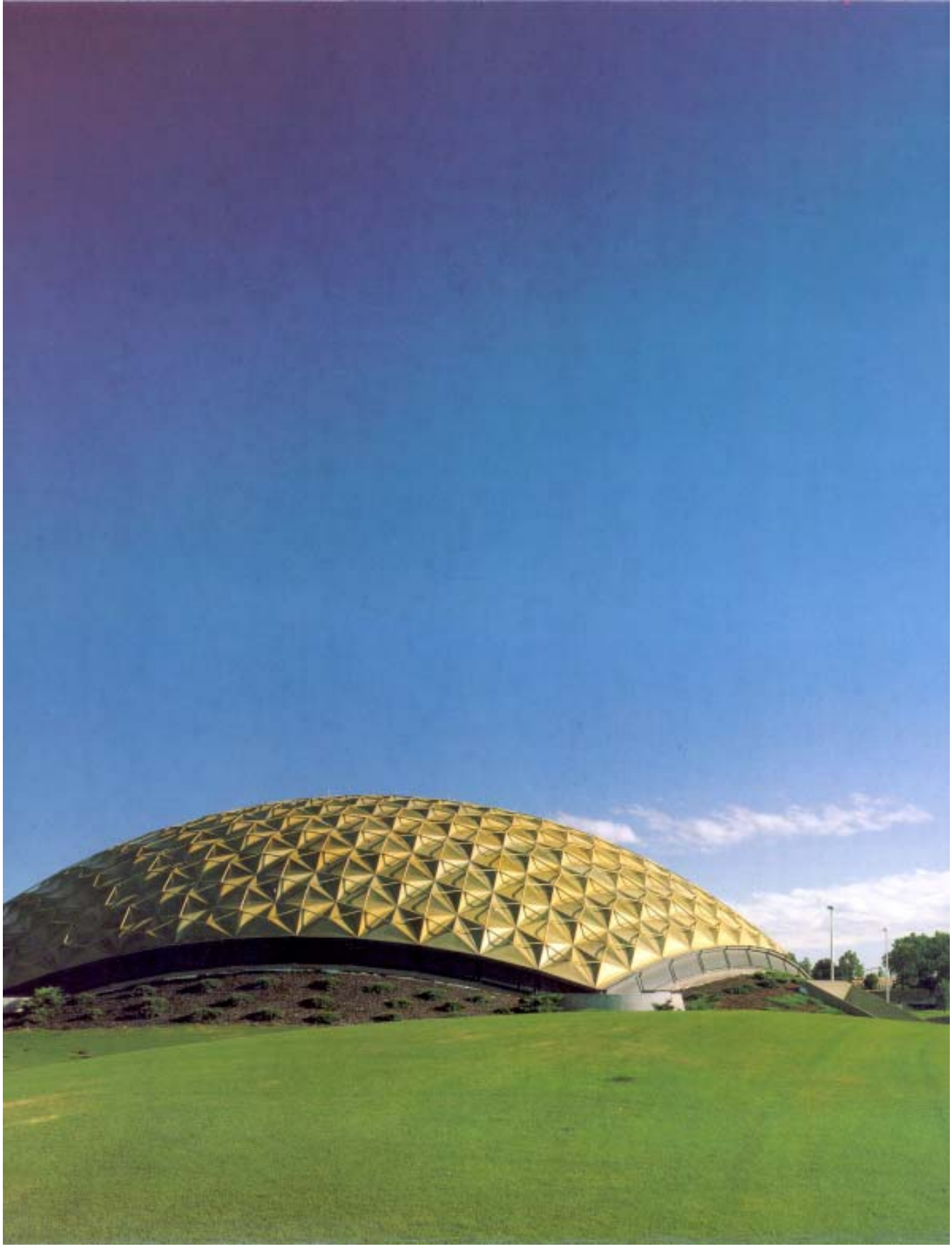
The Temcor Geodesic Dome is a stressed-skin structure utilizing aluminum alloys that are heat-treated to the strength of steel. Constructed in either a hexagonal or pentagonal configuration, the Temcor Geodesic system includes an arched structural steel tension ring and perimeter wall frame. Much more than just a roof, it is a building from the foundation up.

Acoustically, the Temcor Geodesic Dome offers inherent advantages when compared to either smooth shell domes or conventional buildings. The faceted shape of the individual insulated ceiling panels helps reduce interior sound focusing. Existing theaters, auditoriums and convention centers built with Temcor Domes are living examples of this acoustic integrity.



Mount Carmel interior.

HPER facility, Walla Walla Community College, Walla Walla, Washington. Architect: Environmental Concern, Inc.



Shamu Stadium, Sea World of Texas, Inc.
San Antonio, Texas.

Zamora Shrine Mosque, Birmingham, Alabama.
Architect: Evan M. Terry Associates, P.C.

THE ALUMINUM DOME

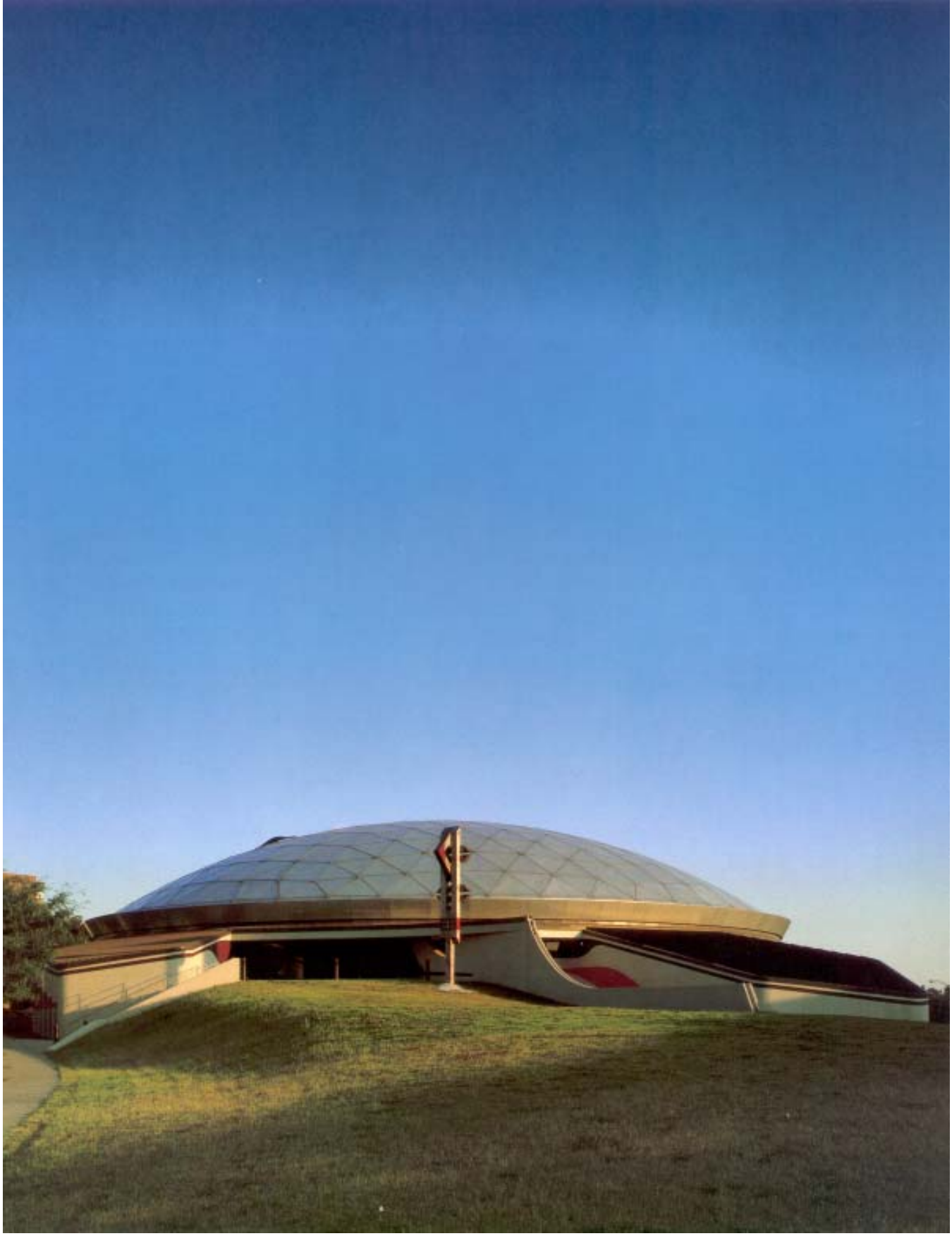
The Temcor Aluminum Dome is a triangulated space truss of wide-flange extrusions skinned with triangular aluminum panels which are secured by a patented Temcor closure system.

With an ability to cover spans ranging from 40 feet to more than 700 feet, the Aluminum Dome offers a wide range of applications. It is ideal for arenas, auditoriums, stadiums and large assembly facilities that require an affordable long-span roof system.

Every Temcor Aluminum Dome is custom designed to meet the specific requirements of each project. The structure can be engineered for any snow, wind or suspended load capacity, as well as span-to-rise ratio.

Sports Center, Storrs, Connecticut.
Architect: Russell Gibson von Dohlen, Inc.

Native American Center for the Living Arts,
Niagara Falls, New York.
Architect: Hodne/Stageberg Partners



LIGHTWEIGHT CONSTRUCTION
Temcor clear-span structures weigh less than 3 pounds per square foot of surface area. The result is reduced foundation costs.

ALL-ALUMINUM MATERIALS
The durability of aluminum means never having to re-roof a Temcor building.

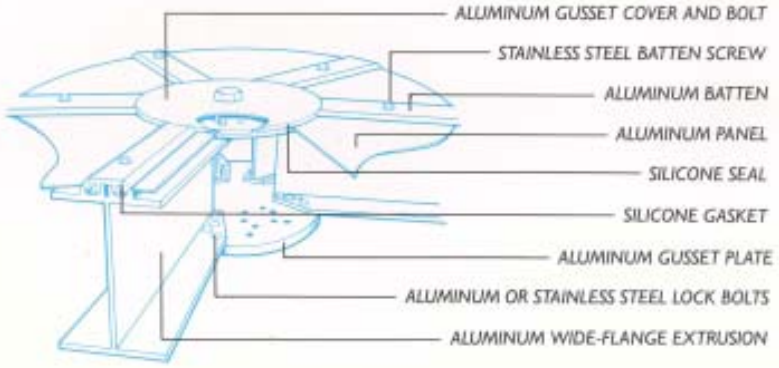
NONCOMBUSTIBLE
Because aluminum is classified as a noncombustible material, Temcor domes have been utilized in Type 1 and Type 2 construction.

INSULATION
Temcor offers an interior thermal and acoustical panelized insulation system designed to meet your specific U factor. And indirect lighting is made easy with a variety of acoustically absorptive interior facings.

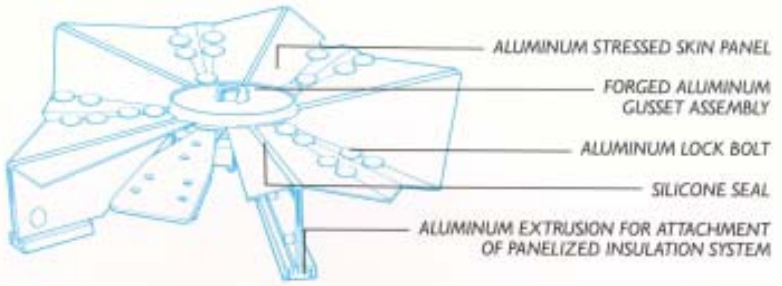
FINISH
Mill finish, anodized aluminum or a wide variety of colors in baked-on fluoropolymer paints are available.

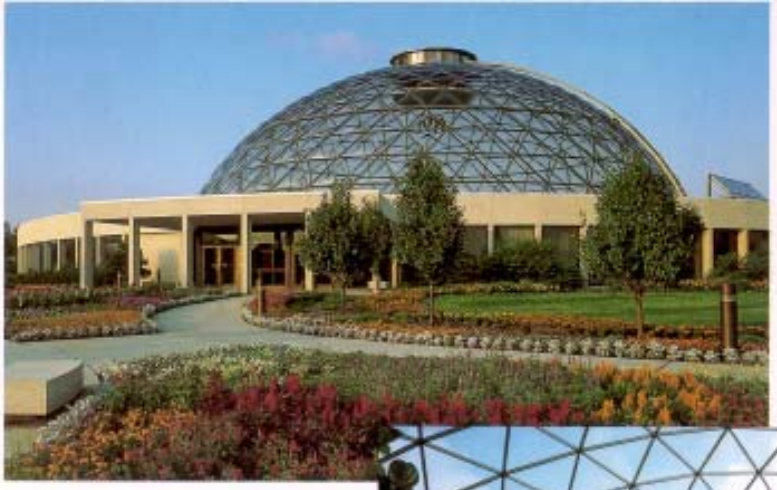
QUALITY CONTROL
Temcor offers single-source responsibility. We design, fabricate and construct each Geodesic and Aluminum Dome.

ALUMINUM DOME



GEODESIC DOME





BEAUTIFUL SOLUTIONS

Botanical Center, Des Moines, Iowa.
Architect: Smith-Voorhees-Jensen Associates

R.J. Reynolds Forest Aviary, North Carolina Zoo, Asheboro, North Carolina.
Architect: O'Brien/Atkins Associates, PA

CRYSTOGON®

Clearly superior in quality and design, the Temcor Crystogon can be built in a variety of clear-span sizes and configurations, including circular, hexagonal, square, or vaulted.

Spans from as small as 30 feet to as large as 300 feet can be covered. In fact, entire buildings can be built from a Temcor Crystogon.

The aluminum framed structures are glazed with transparent or translucent acrylic panels which provide efficient solar control. Space truss configurations result in absolute strength and stability. And larger Crystogons are fully triangulated to prevent panel distortion, panel edge disengagement, and overworking of sealants.

Custom designed for each application, Temcor Crystogons are in use around the world for arboretums, aviaries, shopping malls, swimming pools, zoological gardens, and more.

TemcorRollwell

JVC of Temcor, USA & Rollwell, India

THE CLEAR-SPAN CONSTRUCTION ADVANTAGE.

113 Shri Krishna Commercial Centre,
6 Udyog Nagar, Off S. V Road,
Goregaon West
Mumbai 400062
INDIA

Tel: 91 22 28741124

Fax: 91 22 28768457

Email : info@temcorrollwell.com

Web: www.temcorrollwell.com

Printed in U.S.A. 9/98