

Project Report

Camp Moody

Buda, TX, USA

Pre-Engineered Natatorium

Architect: Studio 8 Architects
Contractor: JE Dunn Construction Group, Inc.



Testimonial

“Structures Unlimited provided us with a cost-effective solution to meet the needs of the user in terms of initial costs, operational costs and material quality.”

Brian Haulotte
Vice President of JE Dunn Construction Group



STRUCTURES UNLIMITED SPECS:

Pre-Engineered Natatorium

Center Ridge Enclosure

Aluminum Box Beam Frame:
6.375" x 18" | 162mm x 457mm
fabricated with haunches

Aluminum Finish: #00 white

Size: 105' x 101' | 32m x 30m

KALWALL PANEL SPECS:

Panel: 2.75" | 70mm

Grid core: shoji thermally broken

Exterior FRP: white

Interior FRP: white

Panel U-Factor: .23 | 1.31 Wm²/K

Solar Heat Gain Coefficient: 0.22

Visible Light Transmission: 16%

PROJECT CREDITS:

Architect: Studio 8 Architects

Contractor:
JE Dunn Construction Group, Inc.

WHY STRUCTURES UNLIMITED?

Single source turnkey solutions include:

Technical sales consultations

Estimating + budgeting services

Daylight modeling services

Design + engineering services

Drafting + modeling

Project management

Precision fabrication

Professional installation

Camp Moody, Buda, TX, USA

A PERFECT FIT, ENGINEERED FOR GOOD

In 2017, Hays Consolidated Independent School District (CISD) authorized a \$5 million agreement with the Austin, Texas YMCA to build and operate a 10-lane, 25-yard indoor pool at Camp Moody, an 85-acre oasis along Onion Creek in Buda, TX, 15 miles from downtown Austin. The cooperation between the school district, the Moody Foundation and Austin YMCA made this long-awaited dream possible.

The construction of this facility allows Hays CISD to provide a state-of-the-art indoor swimming facility for the students of three high schools. This will also allow the YMCA to provide swim lessons to the district first-graders through its project SAFE (Safety, Aquatics and Fitness Education). The impact of access to swimming lessons is vital for children of this age group, particularly minorities. Year after year, drowning is the #1 cause of fatal injuries of young children. Early age swim programs have shown that it is the best solution to save countless young lives.

Austin YMCA engaged the services of Studio 8 Architects and JE Dunn Construction Group, Inc. to construct this facility. After many months of design and value engineering, the YMCA sought to look at alternate options for the indoor pool enclosure building.

Structures Unlimited, Inc. proposed an 11,000-square-foot pre-engineered structural aluminum swimming pool enclosure with Kalwall translucent fixed and openable roof sections, fixed glass and sliding glass doors, engineered and manufactured at the company's New Hampshire factory. The materials were shipped to Texas and installed on site by Structures Unlimited crews.

"Structures Unlimited provided us with a cost-effective solution to meet the needs of the user in terms of initial costs, operational costs and material quality," stated Brian Haulotte, Vice President of JE Dunn Construction Group. "We worked tirelessly with Structures Unlimited through many design options to come up with a fully functional facility that is built for durability while providing wonderful daylight with the Kalwall translucent panel roof system."

One concern voiced by the owner was that the swimming pool enclosure was going to be wedged in between two other buildings—a bath house on one end and a mechanical room on the other end. Assurances were provided that the pool enclosure would be delivered precisely as laid out on the shop drawings. With the use of AutoCAD design software and manufacturing with high-precision Emmegi 5-axis CNC machines, Structures Unlimited, Inc. delivered as promised. The fit was perfect.

The JE Dunn Construction Group and Structures Unlimited delivered this important project to the YMCA on time. This will allow Hays CISD and the YMCA to provide a host of essential services to the community. Camp Moody, with its new natatorium and outdoor activities, is a true gem that allows low-cost access to an untouched nature preserve just a few minutes from downtown Austin, TX.



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