

Form Follows Function

Application/Building Type:

Educational Environments

Project Name:

Bayshore High School

Location:

Bradenton, Florida

Architect:

Long & Associates, Inc

Acoustical Ceilings Contractor:

Acousti Engineering Company of Florida

Drywall Contractor:

Gulf Coast Plastering and Drywall, Inc.

Featured Products:

PARALINE® II Linear Metal Ceilings DONN®

Brand DX® Suspension System

RADAR™ CLIMAPLUS™ Ceiling Panels

SHEETROCK® Brand CLIMAPLUS

Lay-in Ceiling Tile

SHEETROCK® Brand Gypsum Panels,

FIRECODE® Core

SHEETROCK® Brand All Purpose

Ready-Mixed Joint Compound

SHEETROCK® Brand Joint Tape

SHEETROCK® Brand Paper-Faced

Metal Bead and Trim

usg.com

Bayshore High School is situated in the southwest quadrant of Florida's Manatee County in Bradenton. It is just one mile from Sarasota Bay near the Gulf of Mexico, and shares an 80-acre campus with the county's technical institute. School officials wanted a flexible, durable school design that would last for many years to come, and one that would accommodate the tremendous growth in the area. With that in mind, they hired an architectural firm to design a versatile, multifunctional facility that would become an integral part of the community.

"This project represents the needs of the staff, students and community," said Lex Long, principal-in-charge of Long & Associates Inc. in Tampa, Fla. "The design focuses inward for security while opening into courtyards to take advantage of natural light and the Florida climate. Every classroom opens to the outside and into a courtyard or an outdoor space along a corridor. From the standpoint of user input through design, this is form following function."

Students and faculty move along an exterior corridor to access the school's four main buildings that house administrative offices, an auditorium, gymnasium, cafeteria and classrooms. Closed-reveal perforated PARALINE® II Linear Metal Ceilings were used under the exterior soffits and to accentuate the school's front entryway in the form of a barrel-vaulted, rolled ceiling.

"It was done in one step," Long said about the product's installation. "We used the system because it went up fast. The speed of construction was incredible. It was cost-efficient, looked uniform and also allowed air to circulate through the vented soffits."

Acoustical ceiling contractor Steve Stowell, of Acousti Engineering Company of Florida, Largo, Fla., said the system also served as an exterior canopy that would withstand high wind force, which is common in Florida, especially around hurricane season.

"Not only does it look good, but it's tough and made to resist significant wind conditions," Stowell said.

A Natural Fit

In classrooms, nondirectional 2x2-foot RADAR™ CLIMAPLUS® ceiling panels in the DONN® brand DX® suspension system provided a fresh, clean aesthetic as well as a 30-year system warranty against sagging. The humidity-resistant panels were ideal for this project, especially with the school's intermittent HVAC system and the classrooms' immediate exposure to the outside, Stowell said. The panels were also used to enhance room-to-room privacy and the natural light illuminating administrative offices, interior corridors, labs and the media center.

White, 2-foot-by-4-foot SHEETROCK® CLIMAPLUS® lay-in ceiling tile (vinyl) on the DONN DX suspension system provided humidity resistance and met federal food processing area requirements for ceilings in the kitchen and food preparation areas. SHEETROCK® brand gypsum panels (size 5/8-inch), FIRECODE® Core, SHEETROCK® brand all purpose ready-mixed joint compound, SHEETROCK® brand joint tape, and SHEETROCK® brand paper-faced metal bead and trim were used to create drywall partitions over metal studs, mainly in the administration building.

"I've been in business since 1981 and throughout those years, I have always used USG products," said Robert Luker, vice president of Gulf Coast Plastering and Drywall Inc., the drywall contractor. "This job was no different. USG has the most complete, compatible line with products I can always rely on."

Luker said SHEETROCK paper-faced metal bead and trim was used specifically for its ease of use. The paper-tape covering ensured excellent adhesion of the joint compound, while the nail-free installation eliminated unsightly nail-pops, he said.

"The speed of construction was incredible. It was cost-efficient, looked uniform and also allowed air to circulate through the vented soffits."