



HIGH SCHOOL

Ross Shaw Sterling Aviation High School

Houston, TX



New Construction/Addition

Entire school/campus building

Stantec

20 East Greenway Plaza, Ste. 200
Houston, TX 77046
Stantec.com
Jennifer Henrikson
713/548-5730

DESIGN TEAM

Jennifer Henrikson, Principal
Steve Parker, Senior Project Manager
Christian Owens, Design Principal
Scotty Denney, Design Architect
Jonathan Fountain, Project Architect
Fred Tooley, Spec Writer

OWNER/CLIENT

Houston Independent School District
Houston, TX
Richard A. Carranza, Superintendent
713/556-6323

KEY STATS

Grades Served: 9-12
Capacity: 1,800 students
Size of Site: 23.4 acres
Building Area: 236,982 gsf
Space per Student: 132 sq. ft.
Cost per Student: \$25,048
Square Foot Cost: \$190
Project Cost: \$45,087,000
Completion Date: January 2017

PHOTOGRAPHY: LUIS AYALA

The heart of Sterling High School is aviation: producing pilots, mechanics, engineers, and leaders who lead their profession in the job market. Visible to the community, the nurturing and inspirational environment champions education as a vehicle for success and encourages public involvement in their children's future. College and career readiness is a key priority for the district. Students participate in core academic courses as well as specialized courses in career-focused areas.

The post-secondary learning environment was developed by exploring program requirements of high schools to address

multiple approaches to the delivery of education with evolving pedagogies. Since educational buildings are expected to serve multiple generations of learners, spaces must be planned to respond to changing program delivery strategies over time without "bricks and mortar" changes to the building. The aviation magnet program and aviation-themed design allows the school to differentiate itself from other high schools. Learning spaces have a fluid form and function—walls move, visibility is high, and students choose their spaces. The spaces are diverse and student-focused.

The aviation program offers flight simulators,



mechanical and air frame studies, and maintenance education. The combination of core academic courses and specialized, career-focused courses helps students integrate learning and work-world experiences.