



**Texas Department of Transportation  
Headquarters and Lab Building, Houston**

PEOPLE: architect, Gensler Architects, Houston; general contractor, Gilbane Construction Inc., Houston; and roofing contractors, Skweres Services Inc., Spring, Texas, and Royal American Services, Bellaire, Texas

PRODUCTS: Houston-based Architectural Building Components manufactured more than 50,000 square feet (4645 m<sup>2</sup>) of roof system, including: 24-gauge, 16-inch- (406-mm-) wide 200 Series double-lock panels, 24-gauge, 18-inch- (457-mm-) wide Permaseam tapered fascia panels and silver metallic curved fascia trim. About 34,000 square feet (3159 m<sup>2</sup>) of 90-foot (27-m), site-formed 200 Series double-lock panels was used. Of that, 7,600 square feet (706 m<sup>2</sup>) was curved on a 17-foot (5-m) radius.

**Maguire Aviation at the Van Nuys  
Regional Airport, Van Nuys, Calif.**

PEOPLE: design architect, Studio Pali Fekete, Culver City, Calif.; builder, T. Voile Construction Co. Inc., Tarzana, Calif.; and project architect and engineering, J.R. Miller & Associates, Brea, Calif.

PRODUCTS: Butler Manufacturing Co., Kansas City, Mo., fabricated and manufactured Widespan structural steel framing and MR-24 standing seam metal roof system.

FINE POINTS: The 320- by 160- by 43-foot (98- by 49- by 13-m) hangar portion of the facility will accommodate multiple aircrafts. The 2-story office is 12,800 square feet (1189 m<sup>2</sup>). Horizontal bands of shades of blue accent the building's exterior. Two free-standing buildings are joined by a lap joint of horizontal panels that conceal a 2-foot (0.6-m) seismic gap so in the event of an earthquake, the buildings can move independently and the sidewall metal panels closing in the physical separation would yield.



**Con-Way LaSalle XLA, LaSalle, Ill.**

PEOPLE: builder, Altra Builders, University Park, Ill.; general contractor, Layton Construction, Sandy, Utah; steel erector, Joliet Steel & Construction, Joliet, Ill.; and architect, TransSystems Corp., Kansas City, Mo.

PRODUCTS: This 124,090-square-foot (11528-m<sup>2</sup>) complex used Oklahoma City-based Star Building Systems' StarShield Roof System in snow white and the StarMark Wall System in snow white.

FINE POINTS: The ability to use several wall systems and wrap around door jambs, in addition to cost and schedule advantages, made a custom metal building appealing for this project. A straight façade with a 5-foot (1.5-m) projection is used around all three sides of the office; the other side has a mezzanine. The façade framing is wrapped with a special flat panel provided by MBCI, Colonial Heights, Va. One challenge was for the 1,300-foot- (396-m-) long building to slope from one end to the other. Also, the dock building is built on a slope foundation wall. Every four bays, the building height shifts even though the eaves remained at the same elevation.

