

PROJECT PROFILE

DB-27

Client:

Chrysler Technologies Airborne Systems
P. O. Box 4580
Waco, Texas 76715

Objective:

Assist a Builder who specializes in designing and building aviation facilities, turnkey construct a hangar large enough to contain four wide-body jet airliners at once.

Performance Results:

Steel Erection Began	March 1988
Owner Occupancy	March 1989

Perspective:

Chrysler Technologies Airborne Systems (CTAS) needed to expand their already extensive aviation modification complex with a new hangar and office to accommodate larger, wide-body jet aircraft. BlueScope Construction teamed on the project with a Builder with past experience on similar projects. This hangar was to be the largest in CTAS' headquarters complex, and received a lot of attention across the U.S. The massive project was completed exactly on schedule.



Location: Chrysler Technologies Airborne Systems Aircraft Modification Facility
Waco, Texas

End Use: Aircraft modification and offices.

Size: 293,000 square feet overall
Hangar = 166,500 square feet
(340' x 456' x 82')
Office and shop = 126,500 square feet
(90' x 456' x 50')

Features: 340-foot clearspan interior; 75-foot clear opening for rolling doors at each end. Special paint ventilation system integrated with structurals providing laminar air flow pattern to meet government specifications for military contracts. Extensive mechanical loadings; special floor slabs to support different weights in the hangar and office.

Structure: Widespan™ structural building system

Walls: Shadowrib® and Stylwall® wall systems

Roof: MR-24® standing seam roof system

Insulation: 8" total in roof; 4" in walls

Architect: James C. Lancaster & Associates,
Grapevine, Texas

Engineering: BlueScope Construction, Inc., Kansas City,
Missouri

Design Consultant: Jacobs Carter Burgess, Fort Worth, Texas




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