

Strarch Clear Span Roofing Systems

Howard S. Wright Construction Company recently completed an unusual project for Lockheed Aeromod Center, Inc. in South Carolina, involving the construction of three Strarch Structures: one mobile tail enclosure and two permanent hangar extensions. The mobile tail enclosure spans 74 feet with a height of 60 feet and a depth of 45 feet. It is designed to enclose the tail assembly of DC10 aircraft, and it is mounted on rubber-tired wheels so that it can be moved into position over the aircraft's tail by a conventional aircraft tug. An adaptation of the mobile tail enclosure was employed in the construction of the permanent hangar extensions. These were Strarch structures that were 190 feet wide, 85 feet high, and extended beyond the existing hangars by 54 feet. Each hangar extension was constructed on the hangar apron about 500 feet from the existing hangar end. When completed the hangar extension was skidded into place along greased steel channel guides temporarily bolted to the existing apron by using a pair of air-powered drum winches. The moving and coupling of the extension was accomplished over a weekend, rather than the months estimated for the conventional process.

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