



CASE STUDY
MERCY FLIGHT HANGAR





MERCY FLIGHTS HANGAR





S&B James Construction, an American Buildings authorized Builder, reconstructed a new campus for Mercy Flights, Inc., a local nonprofit organization. Located at the Rouge Valley International-Medford (Oregon) Airport, the new campus combines an ambulance dispatch and training building with an aircraft and ground ambulance maintenance shop and parking.

“This project demonstrates the versatility metal buildings have when used properly,” said Ed Bittle, project manager at S&B James Construction. “And it was great to work for a customer who is dedicated to providing a valuable service like emergency transportation at a reasonable cost to the community.”

This custom designed aircraft hangar utilizes an American Rigid Frame system with Standing Seam 360 roof and insulated wall panels. The structure was designed to meet essential facility standards due to the facility’s location in a seismic zone.

“Meeting the proper standards for the seismic zone was essential,” said Bittle. “American was able to provide us with the appropriate products that were a perfect fit the first time.”

Together, S&B James Construction and American Buildings were able to construct three hangar doors that open nearly 60 feet wide and 28 feet high to accommodate two fixed-wing aircrafts, each with 51-foot wing spans, and one helicopter. A maintenance shop provides room for up to four vehicles and two free-standing metal canopies provide covered parking for ambulances and other vehicles.

S&B James Construction was founded in 1977 and has become one of the largest general contractors in Southern Oregon and Northern California. The company specializes in building commercial offices and other industrial projects.

GOING GREEN IS EASIER WITH METAL BUILDING SYSTEMS FROM AMERICAN BUILDINGS

As an ISO 14001 certified manufacturer, American is dedicated to protecting our environment and reducing waste. All four American divisions have achieved accreditation under the International Accreditation Service (IAS) AC472 Inspection Program for Manufacturers of Metal Building Systems. Every American teammate is responsible for environmental protection, and we also require contractors, vendors and suppliers to comply with applicable environmental laws.

Metal building systems are the poster child for sustainability and “green,” as steel is the most recycled material on the planet. Nucor typically recycles 22 million tons of scrap annually, including 9 million cars. Recycled steel reduces mining waste by 97%, air pollution by 86% and water pollution by 76%. Producing steel through recycling also uses significantly less energy than conventional steel making. In fact, the energy Nucor saves through recycling compared to conventional steel production is enough to power Los Angeles for 8 years. The typical American building is manufactured from at least 70% recycled steel. To top that, at the end of its useful life, 100% of an American building can be recycled into a variety of steel products, including new cars, appliances, buildings and bridges.

American Buildings was the first metal building manufacturer in North America to switch to 100% “cool” paint systems as standard, with no up-charge, for all roof and wall panels. This environmentally friendly cool technology was originally developed for stealth aircraft in the U.S. Military. These coatings help generate lower environmental temperatures, reducing smog and the heat island effect. What’s more, they help reduce cooling costs in hot summer months.

