



SILVER MAPLE

SILVER MAPLE AVIATION'S APPROACH TO NFPA 409 COMPLIANCE

OVERVIEW OF NFPA 409:

NFPA 409 is the National Fire Protection Association standard that outlines safety requirements for aircraft hangars. This standard covers the construction, fire protection, and operational safety of hangars, ensuring they meet essential fire protection measures for aviation facilities. At Silver Maple Aviation, we strictly follow NFPA 409 to deliver high-quality, safe, and compliant hangars that meet the latest fire protection standards.

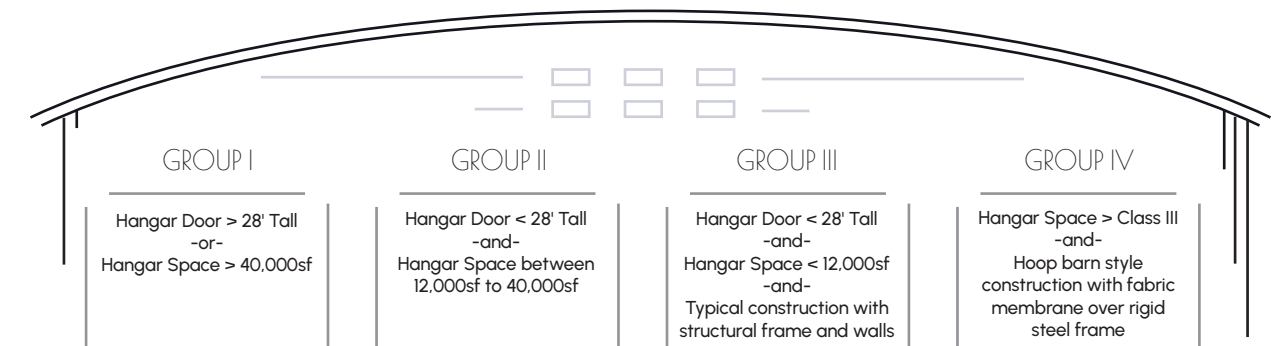
- Fire Protection Systems:** Comprehensive fire protection requirements, such as sprinklers, fire alarms, and vapor suppression, tailored to the size and classification of the hangar.

- Construction Materials:** Standards for materials used in hangar construction to reduce fire risks and maintain structural integrity under potential fire conditions.

- Hangar Group Classifications:** Hangars are classified into four groups based on size, door height, and function. Each classification has specific fire protection requirements, ranging from smaller, simple hangars to larger, more complex facilities.

- Ventilation and Safety:** NFPA 409 sets guidelines for proper ventilation to mitigate fire hazards, maintain airflow, and ensure the safety of those in the facility.

NFPA 409 HANGAR CLASSIFICATIONS



Aircraft storage hangars fall into 4 groups under the NFPA 409 standards. The grouping depends on the amount of hangar space, the hangar door height, and the type of construction. Each hangar group carries a different set of fire protection requirements that must be met. Silver Maple Aviation has experience building across all hangar groups and navigating the NFPA requirements.

This can range from basic fire alarm systems to advanced vapor suppression methods. Silver Maple construction is a strategic partner to ensure your new hangar will protect your aerial assets while delivering value through design and construction.

SILVER MAPLE AVIATION'S EXPERTISE IN NFPA 409 COMPLIANCE:

Silver Maple Aviation brings extensive experience in navigating NFPA 409 compliance. From interpreting the standards to applying them to real-world projects, we ensure that every aspect of your hangar complies with safety regulations.

Hangar Classification: Understanding Your Needs

NFPA 409 classifies hangars into four categories based on size, height, and intended use. Understanding your hangar's classification helps ensure you meet the right fire protection requirements. Silver Maple Aviation will assess your project to determine the appropriate classification and fire protection needs. This ensures that you receive the most cost-effective, compliant, and efficient solutions.

Fire Protection Systems for Your Hangar: What You Need to Know

The fire protection systems required for your hangar will depend on its classification. These systems may include fire alarms, sprinkler systems, and vapor suppression techniques designed to mitigate fire risks. Silver Maple Aviation works closely with fire protection experts to integrate the correct systems based on NFPA 409

WE CAN RETROFIT EXISTING HANGARS TO MEET NFPA 409:

If you're looking to upgrade an existing hangar, Silver Maple Aviation also has experience in retrofitting older structures to meet the latest NFPA 409 standards. We work with clients to create solutions that improve fire protection, ventilation, and overall safety while minimizing disruptions to your operations.

How Silver Maple Aviation Approaches Aviation Construction:

Silver Maple Aviation is a contractor-led design-build firm specializing in the construction of modern aviation infrastructure. We handle all aspects of your hangar project, from initial concept and design to permitting and construction. With our expertise in FAA regulations and local jurisdiction navigation, we provide seamless, efficient solutions for building hangars that meet NFPA 409 standards while maintaining cost-effectiveness and high-quality design.

Want to learn more?

For more information contact

Evan Herron: 860-305-7374

eherron@silvermapleconstruction.com