The History of Timber Framing

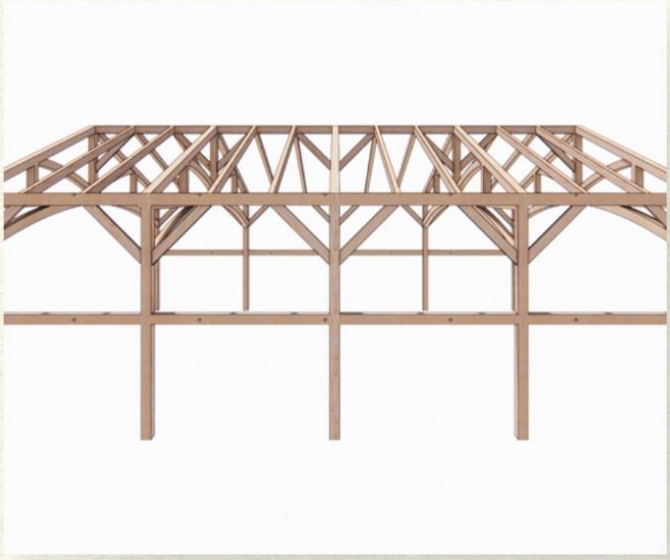
Timber framing, a venerable construction method dating back thousands of years, has stood the test of time due to its durability, aesthetic appeal, and adaptability. Originating in ancient times, this technique was pivotal in the creation of structures across medieval Europe and Asia, celebrated for its ability to produce sturdy, long-lasting buildings with a distinctive charm. The exposed wooden beams of timber-framed buildings not only offer structural integrity but also impart a warm, natural beauty unmatched by other materials.

Over the centuries, timber framing has evolved, embracing modern engineering principles and technologies to meet contemporary needs. Today, it finds new expression in the construction of airplane hangars, where its traditional benefits—exceptional durability and aesthetic allure—are combined with modern demands for environmental sustainability and spacious, column-free interiors. This timeless method continues to adapt, proving its enduring relevance in both traditional and innovative architectural applications.

The Construction Process

The construction of a timber-framed hangar is a tailored, comprehensive process that spans from initial design consultations through to the final raising and finishing touches. It begins with a detailed discussion of the client's needs, preferences, and budget, leading to the creation of customized design plans. Following approval, a production agreement sets the project in motion, securing materials and scheduling construction.

The selection of a general contractor and the provision of construction drawings lay the groundwork for the actual build, culminating in the exciting raising of the timber frame. The process concludes with the finishing work, where every detail from cladding to interior design is finalized to meet the client's vision. See an in-depth look at each step on our timber-frame construction process page.



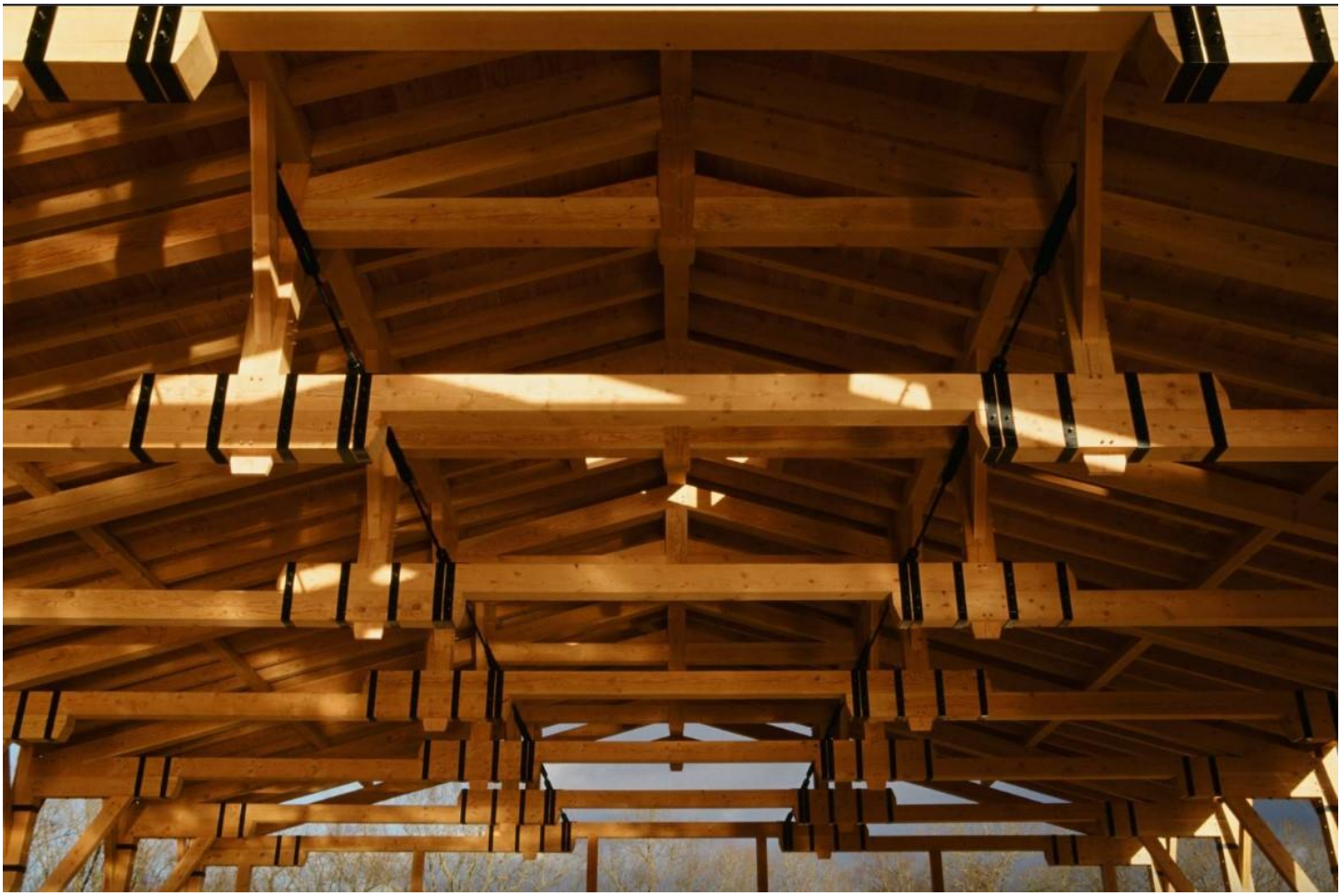
Hangar Plans and Sizing

When planning to build an airplane hangar, size considerations are paramount to ensure the structure adequately meets your specific needs. The dimensions of the hangar must not only accommodate the wingspan, length, and height of the aircraft but also provide sufficient space for maintenance, storage, and maneuverability within the hangar. Factors such as the type and number of aircraft, future acquisitions, and the desired additional functionalities (e.g., office space, workshops) play a critical role in determining the optimal size.

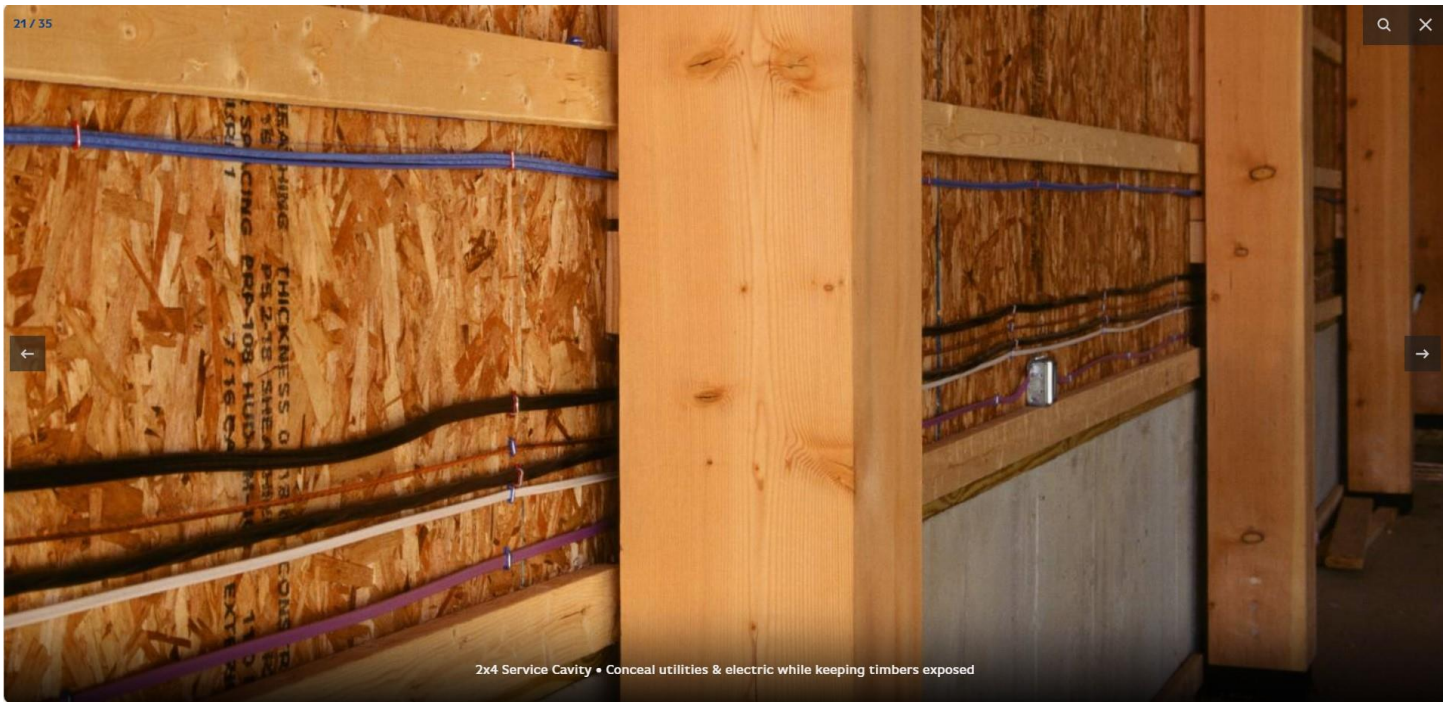
Our experienced team specializes in guiding clients through these considerations, offering expert advice tailored to your unique requirements. We help assess your current and future aviation needs, ensuring your hangar not only fits your aircraft perfectly but also aligns with your lifestyle and preferences. With our support, you can make informed decisions on the size and design of your hangar, ensuring a perfect balance between functionality and space efficiency. Talk to our team to get started today.

THE FOLLING ARE TIMBER FRAME CONSTRUCTION AND DETAIL PHOTOS FOR REFERENCE ONLY. THE HANGAR DESIGN FOR THE NEW HANGAR IS STILL IN PROGRESS BUT, THE GENERAL STYLE AND CONSTRUCTION IS THE SAME.

Cranes Carry the Rafters & Purlins to the Roof



The Crew Worked Tirelessly Through Bitter Cold For This Raising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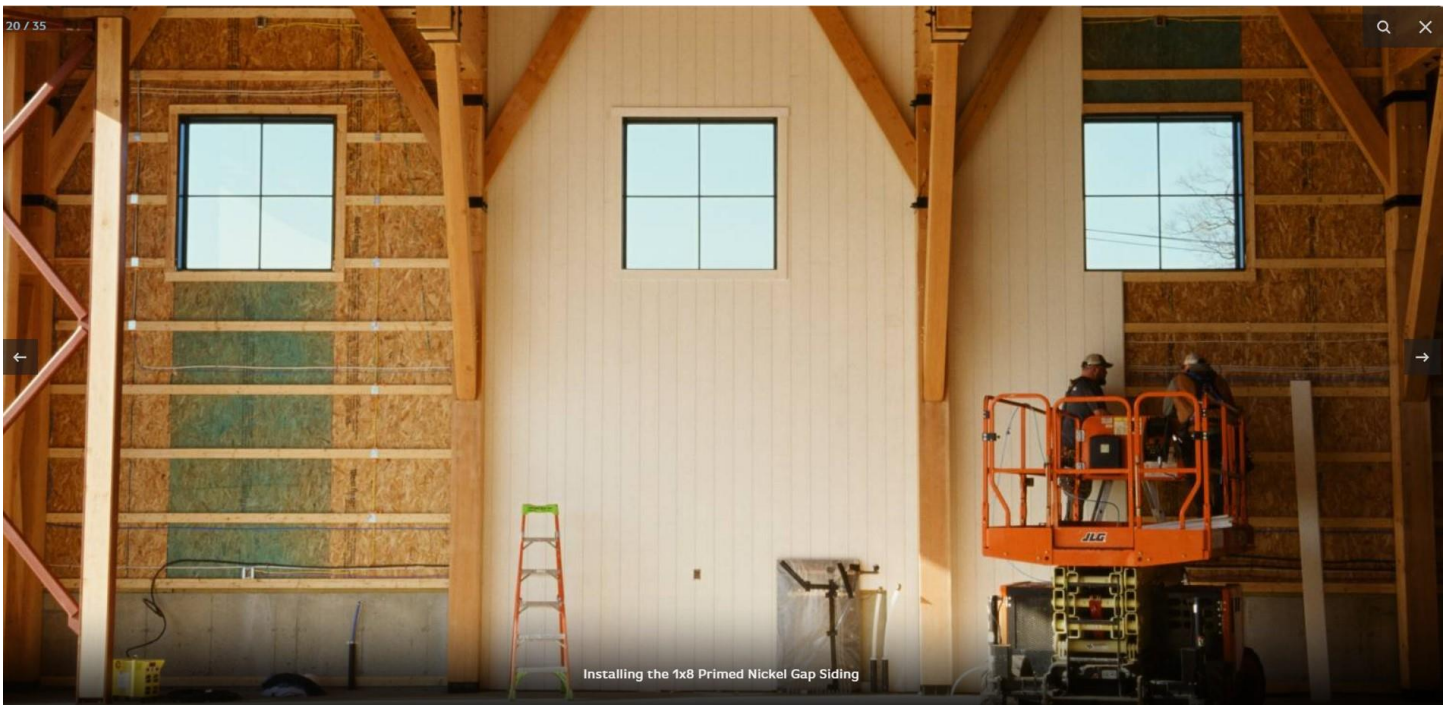
2x4 Service Cavity • Conceal utilities & electric while keeping timbers exposed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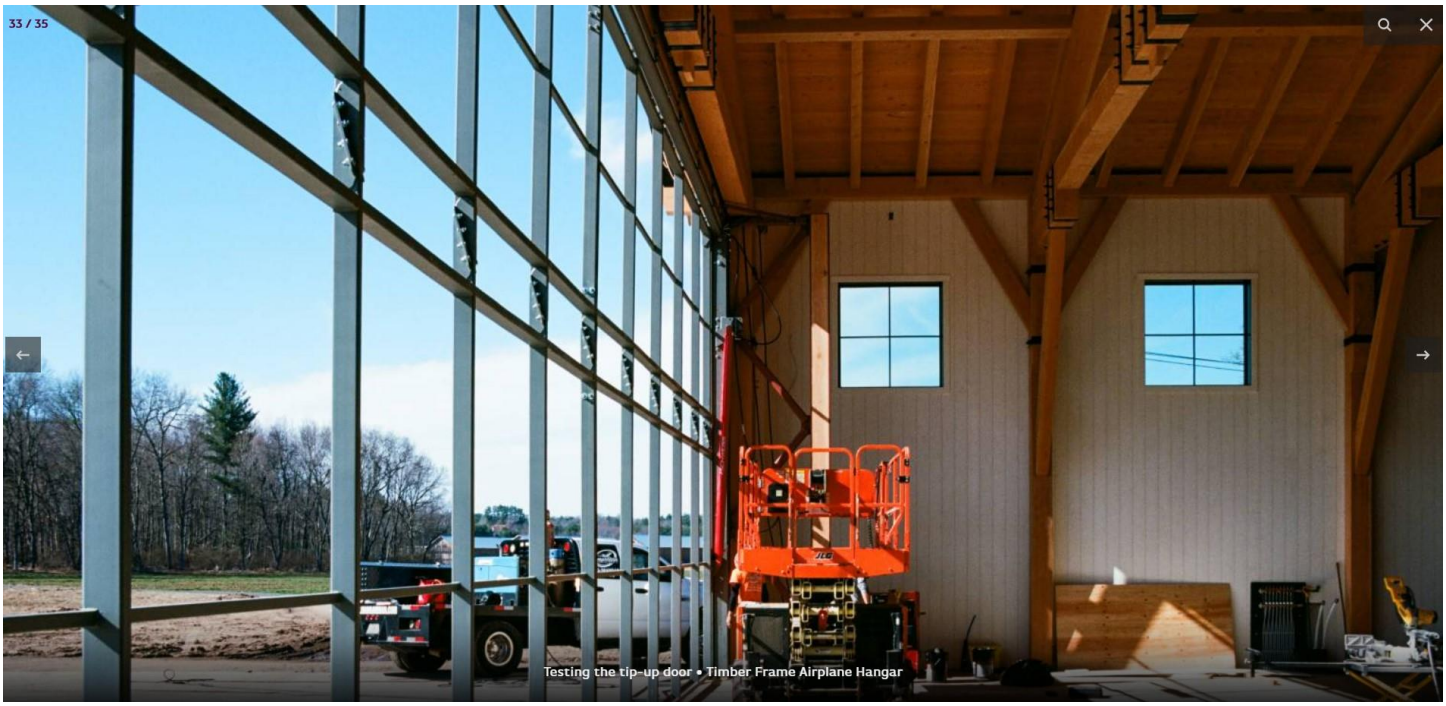
JLG
Installing the 1x8 Primed Nickel Gap Siding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Testing the tip-up door • Timber Frame Airplane Hangar


World's First Net Zero Wood Truss Airplane Hangar - By Silver Maple Construction
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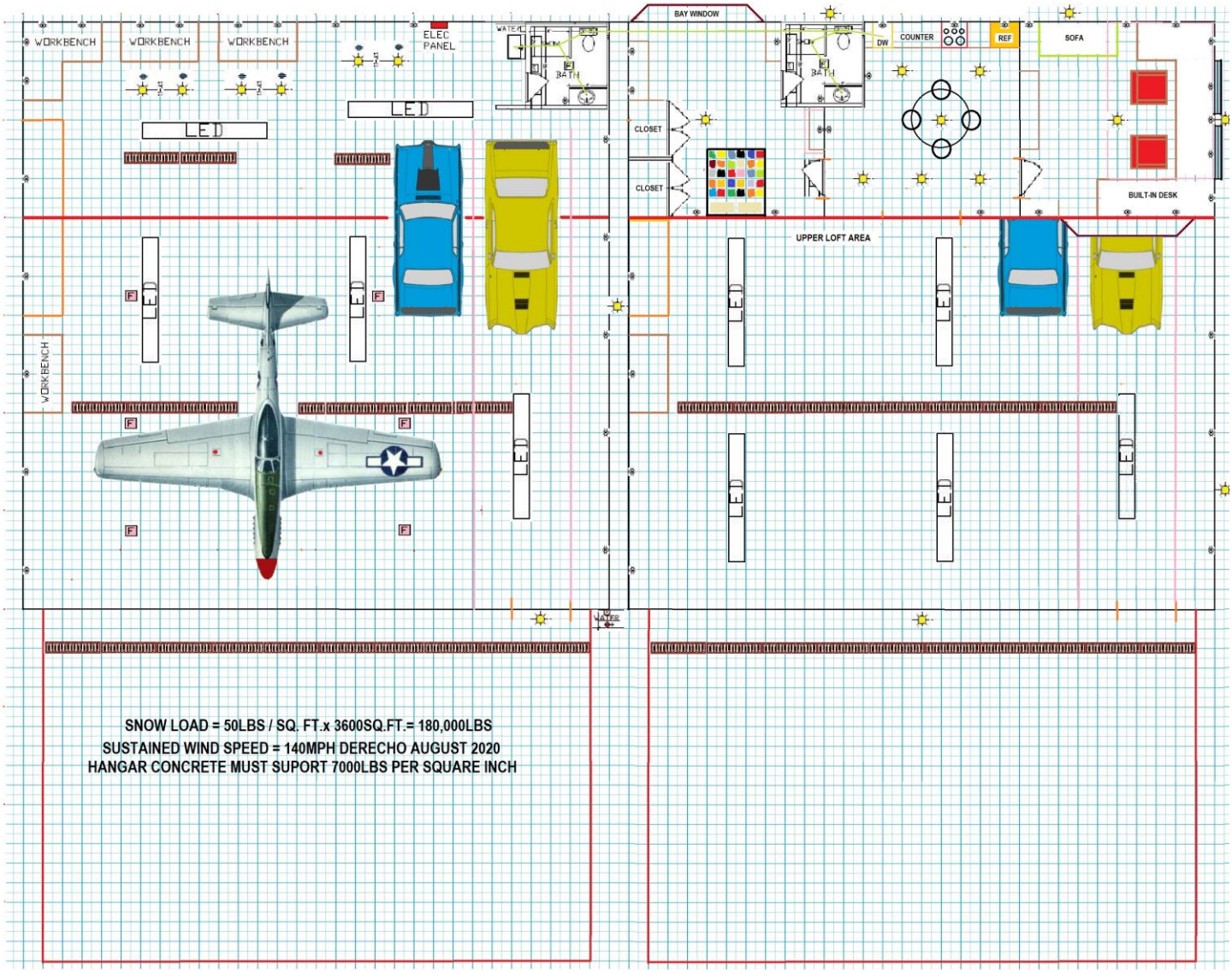
The finished frame with roof decking

The Hangar was insulated with SIPs

THERE ARE MANY TIMBER FRAME HANGARS IN USE.

The 16' gable dormer provides extra room • Post & Beam

The loft • The rustic bed frame matches the post & beam interior



NOT FINALIZED PRELIMINARY LAYOUT OF PROPOSED 60’ X 60’ HANGAR