



1.800.445.0412 [www.durobeambuildings.com](http://www.durobeambuildings.com)



# Aircraft Hangar Buyer's Guide

## Product Guide

## Pre Engineered Steel Building Systems for Aircraft Hangar Applications

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Design It. Ship It. Build It.



Choosing the right aircraft hangar is a critical investment decision. Whether you own a private plane, corporate jet, helicopter, or operate within an airpark community, your hangar must provide protection, security, durability, and long-term value. This guide outlines the key factors to consider when planning a custom steel aircraft hangar with Duro BEAM.

## Determine Your Aircraft Requirements

- Wingspan, tail height, and overall aircraft dimensions
- Number of aircraft to be stored
- Future aircraft upgrades or expansion plans
- Required maneuvering space inside the hangar



## Clear Span vs. Interior Columns

Rigid-frame steel buildings offer clear-span construction, meaning no interior support columns. This maximizes usable space, improves maneuverability, and enhances safety during aircraft movement and maintenance operations.

Investing in a steel building involves more planning than many people initially expect. That's why our team of building specialists works closely with you throughout the entire process — from early planning to final delivery — ensuring everything runs smoothly.

To help you get started, here are some important steps to consider before moving forward:



Before speaking with a building consultant, gather the following key details:

- Project site location
- Estimated building width, length, and height
- Opening size needed
- What type of door you will be using
- Preliminary budget expectations

Having this information ready allows for faster quoting and more accurate engineering.

### Verify Local Building Requirements

Building codes vary significantly depending on your region. Wind ratings, snow loads, permitting requirements, and zoning regulations are all determined by your local building authority.

We can help assist you with this but we also strongly recommend contacting your local building department to confirm:

- Required permits
- Wind and snow load criteria
- Foundation requirements
- Any special site restrictions

This proactive step can prevent delays later.

### Hangar Door Options

- Bi-fold doors – Large openings with smooth operation
- Hydraulic one-piece doors – Strong, weather-resistant access
- Sliding doors – Cost-effective for certain applications
- Door width and height must exceed aircraft clearance requirements

### Climate Control & Ventilation

Moisture and temperature fluctuations can damage avionics and aircraft components. Consider insulation packages, ventilation systems, and HVAC solutions to maintain a stable internal environment year-round.



## Location & Site Considerations

• Runway and taxiway access • Wind and snow load requirements • Local building codes and aviation regulations • Foundation and soil conditions

## Security & Protection

Aircraft are high-value assets. Your hangar should include reinforced framing, secure door systems, access control, and optional surveillance integration to ensure maximum protection.

### Budget & Long-Term Value

Steel aircraft hangars offer lower maintenance costs, faster construction timelines, and long-term structural performance compared to traditional construction methods. Consider lifecycle costs, not just upfront pricing.

# Why Choose Duro BEAM?

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When you choose Duro Bean, you gain the support of a complete, experienced team dedicated to your project from start to finish. From your first conversation through final construction, our project managers, customer support staff, and in-house engineering department work together to ensure every detail is handled efficiently and accurately.

Your process begins with a knowledgeable project manager who will walk you through your options, answer your initial questions, and help shape the right building solution for your specific needs.

As your project progresses, your dedicated manager will continue guiding you through engineered drawings, foundation planning, accessory selections, delivery coordination, and construction guidance — making sure you have the information and confidence needed every step of the way.

## What Happens NEXT:

- Consultation & custom design
- Engineered stamped drawings
- Precision manufacturing
- Coordinated shipping & delivery
- On-site assembly (While Duro Span does not provide assembly we have crews we can recommend to help erect your structure)



DuroBEAM rigid-frame steel buildings are engineered for strength, flexibility, and scalability. Whether you need a private hangar, corporate aviation facility, or airpark solution, our team provides custom-designed structures tailored to your exact aviation requirements. Contact DuroBEAM today to start planning your custom aircraft hangar.

**Start Your Duro Beam Project Today!**

**D** Duro Beam

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