U-BUILD
STEEL BUILDINGS

HANGAR BUILDINGS

Made in Canada. Supporting Candian Business

UBuildSB.com | info@ubuildsb.com | 1 (855) 385-4295

OUR EXPERIENCE

U-Build Steel Buildings is a division of BEHLEN Inudstries LP which has grown to become Canada's largest manufacturer of steel building systems, with the capability to engineer and manufacture a range of building systems from simple to very complex.

The design and engineering requirements for aircraft hangars and aerospace facilities ranges depending on the intended purpose of the building. Both Rigid Frame and Frameless structures are commonly used. Some of the hangar specific requirements that we are known for include:

- Large clear-span capabilities
- Achieving exceptional heights
- Supporting mezzanines
- Supporting various door options
- Meeting thermal value requirements
- Withstanding exceptional environmental stress

U-Build Steel Buildings has the solution to achieving the exceptional with our steel building systems.

AIR BRAVO HANGAR

Featured on page 6.

KF AEROSPACE HANGAR

Featured on page 13.

EXPRESS AIR HANGAR

Featured on page 18.

A LOOK INTO OUR MANUFACTURING PLANT

One of our skilled welders conducts a final weld to meet quality during an inspection on this rigid frame beam. This critical assessment ensures all specifications are met before the component proceeds to the paint line in our facility for its final finish.

PROUDLY CANADIAN

U-Build Steel Buildings is part of WGI Westman Group Inc., a network of steel manufacturers operating throughout North America. While WGI is based in Winnipeg, MB, U-Build has locations in Cambridge, ON, Winkler and Brandon, MB.

MANUFACTURING FACILITY

Location: Brandon, MB

Employees: 250

Land: 20 Acres

Size: 224,000 ft^2

Capacity: 27,000 US Tons of Structural Steel Annually

OUR CERTIFICATIONS:

CWB Management System Standard: ISO 9001:2015
CWB Certification Standard CSA A660-10
CWB Certified CSA Standard W47.1 Division 1
CSSBI Certified Manufacturer of Steel Building Systems
CISC Fabricator Member
Canada's Best Managed Companies Platinum Member

OUR PRODUCTS:

RIGID FRAME Steel Buildings
ARTSPAN Insulated Metal Panels
FRAMELESS Steel Buildings
Custom Steel Fabrication Products

WGI WESTMAN GROUP INC. COMPANIES:

WGI WESTMAN GROUP INC. · MERIDIAN · WESTMAN STEEL · BEHLEN STEEL BUILDINGS · ARCHWAL STEEL BUILDING · CONVEY-ALL · armtec · ARTspan · Scotia Metal PRODUCTS · A Division Of Westman Steel · U-BUILD STEEL BUILDINGS · PRAIRIE STEEL

AIC HANGAR

AIC Hangar is a heavy duty building utilizing over 746,000 lbs of steel to achieve a 50 ft. ridge height and a sprawling 37,500 sq. ft. clear span for maximum operational flexibility. It is durable and a high performance hangar for large scale aviation maintenance.

Location: Hamilton, ON
Year: 2005

Steel Weight: 746,660 lbs
Footprint: 37,536 ft^2
Highest Eave/Ridge Point: 50'

AIR BRAVO (Medonte)

Completed in 2022, this hangar defines modern efficiency. This 16,900 sq. ft. facility was designed with a 36 foot peak height and over 278,000 lbs of structural steel. It serves as a sleek, professional operational base for aircraft fleets.

Location: Medonte, ON
Year: 2022

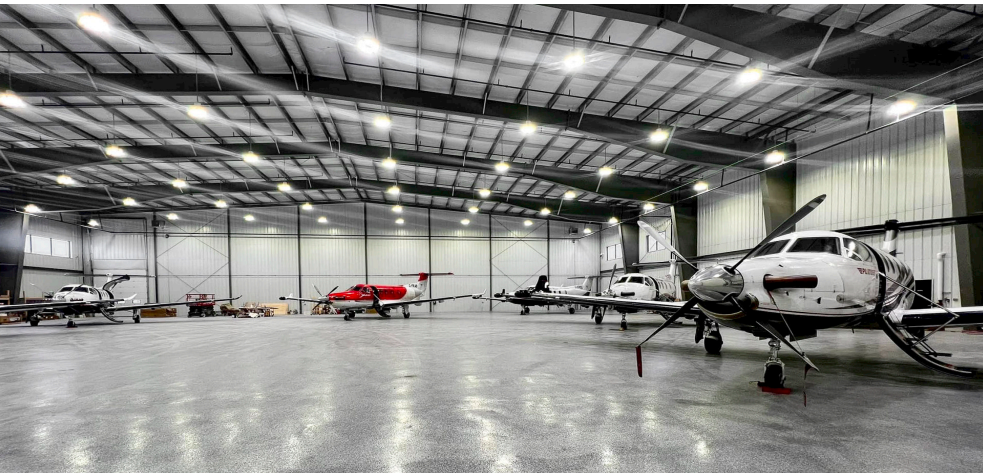
Steel Weight: 278,673 lbs
Footprint: 16,900 ft^2
Highest Eave/Ridge Point: 36'

AIR BRAVO (Thunder Bay)

This 24,000 sq. ft. steel structure matches the scale of a heavy duty industrial building. With an impressive 36 ft. ridge point, it provides the essential vertical clearance required for the region's largest aircraft.

Location: Thunder Bay, ON
Year: 2023

Steel Weight: 548,597 lbs
Footprint: 24,000 ft^2
Highest Eave/Ridge Point: 36'



CALM AIR

Specifically designed for the demanding prairie climates, this building was finished in 2006. It includes over 451,000 lbs of steel to ensure year round structural integrity and for long term durability against the extreme weather.

Location: Winnipeg, MB
Year: 2006

Steel Weight: 451,979 lbs
Footprint: 19,880 ft^2
Highest Eave/Ridge Point: 33'

CASCADE AEROSPACE INC

This massive 250,000 sq. ft. hangar built in the early 2000's is one of the most significant projects in this portfolio. It features two 230' clear spans with Vierendeel trusses, 80' heights, and 210' x 77' doors. Impressively, this hangar can fit up to eight 737 Boeing Aircraft.

Location: Abbotsford, B.C.
Year: 2000
Footprint: 250,000 ft^2

FLYING COLOURS HANGAR

Completed in 2005, this 8,917 sq. ft. industrial hangar features a sophisticated Slate Blue and Galvalume finish. Manufactured and built with 24 GA SSR roofing and 26 GA AWR walls, it offers a durable space for plane maintenance and storage.

Location: Peterborough, ON
Year: 2005

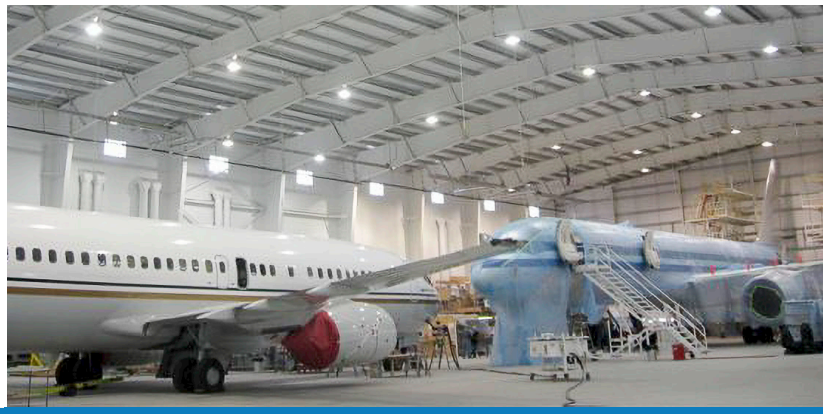
Steel Weight: 180,404 lbs
Footprint: 8,917 ft^2
Highest Eave/Ridge Point: 28'

JP VALA HANGAR

This 4,950 sq. ft. custom designed 2025 project is a perfect solution for aircraft storage. Utilizing about 49,000 lbs of steel, it balances cost effective pre-engineered techniques with high end durability.

Location: Oliver, BC
Year: 2025

Steel Weight: 48,719 lbs
Footprint: 4,950 ft^2
Highest Eave/Ridge Point: 18'



KELOWNA FLIGHTCRAFT

Located in Kelowna, British Columbia, this 56,700 sq. ft. hangar features a 150'x 360' main structure, two lean-to's and an addition built on to it. It integrates a full mezzanine for technical school classrooms.

Location: Kelowna, BC
Year: 2008

Steel Weight: 300,000 lbs +
Footprint: 56,720 ft^2
Highest Eave/Ridge Point: 35'

KF AEROSPACE (BC)

With a 45 ft. peak, this hangar in Kelowna helps represent the pinnacle of large scale industrial aviation steel buildings. This 2019 engineering feat utilized nearly 370,000 lbs of steel for a 21,000 sq. ft. area, providing the massive clear span required for high capacity maintenance.

Location: Kelowna, BC
Year: 2019

Steel Weight: 375,214 lbs
Footprint: 21,000 ft^2
Highest Eave/Ridge Point: 45'

KF AEROSPACE (ON)

Completed in 2019, this Rigid Frame hangar features a modern multi-coloured exterior in Bone White, with Charcoal and Red stripes. It utilizes high performance Ultra Span door panels to achieve a high quality airport presence.

Location: Hamilton, ON
Year: 2019

Steel Weight: 2,989,099 lbs
Footprint: 98,050 ft^2
Highest Eave/Ridge Point: 35'

PAL AEROSPACE

Optimized for the coastal Vancouver Island, this 12,100 sq. ft. build reaches a 34 ft. ridge. Completed in 2019, this Rigid Frame structure offers a durable, professional solution designed to withstand oceanic environments.

Location: Campbell River, BC
Year: 2019

Steel Weight: 343,930 lbs
Footprint: 12,100 ft^2
Highest Eave/Ridge Point: 34.25'

AKLAK AIR

Completed in 2013, this 12,500 sq. ft. hangar is the perfect example of a U-Build Frameless Steel Building. Standing 24' high and utilizing 159,337 lbs of steel, it provides a resilient operational foundation for Canada's far north.

Location: Inuvik, NT
Year: 2013

Steel Weight: 159,337 lbs
Footprint: 12,500 ft^2
Highest Eave/Ridge Point: 24'

CANADIAN HELI STRUCTURES

This 10,716 sq. ft. hangar facility utilized about 89,000 lbs of steel to create a robust workspace for helicopter storage and repair. Reaching a 21' eave height, this Frameless Building provides optimal storage for the helicopter fleet.

Location: Langley, BC
Year: 2004

Steel Weight: 88,755 lbs
Footprint: 10,716 ft^2
Highest Eave/Ridge Point: 21'

COLLINGWOOD AIRPORT

This is a standout Frameless Steel Building for its sustainable design; featuring solar panels on the exterior. Reaching a 22 ft. eave height and utilizing 99,000 lbs of steel, the facility combines modern energy efficiency with a durable, high performance workspace for aviation.

Location: Stayner, ON
Year: 2014

Steel Weight: 98,966 lbs
Footprint: 6,000 ft^2
Highest Eave/Ridge Point: 22'

EXPRESS AIR HANGAR

Located in our nation's capital, this 16,000 sq. ft. all white Frameless Steel Building features a 29 ft. eave height. Built in 2006 with 245,000 lbs of steel, it combines high strength engineering with a functional, modern presence.

Location: Ottawa, ON
Year: 2006

Steel Weight: 244,822 lbs
Footprint: 15,996 ft^2
Highest Eave/Ridge Point: 29'

OTHER HANGARS

AVTECH HANGAR - **AB**

BRAMPTON FLYING CLUB - **ON**

AERIAL SPRAYING HANGAR - **SK**

VIKING AIR (DE HAVILLAND AIRCRAFT OF CANADA LIMITED) - **BC**

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CANADA'S BEST MANAGED COMPANIES
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