

Standard Features

Primary Framing

Main Frames

Canam Steel Building Corporation uses **minimum 55KSI yield strength material**. Using extra-high yield strength material results in smaller web-depths which means **increased usable space**.

Main frames are **continuous-bead submerged-arc welded** by automated welding machines. Automated welding of this kind minimizes the possibility for human error, resulting in uncompromised integrity.

All **base plates, connection plates, flange brace plates and clips are factory welded** in place which helps minimize field labor during the erection process.

End Wall Frames

Corner and Wind Columns are either cold formed, mill-rolled or built-up "I" sections depending on design requirements.

Secondary Framing

Girts

Girts and Purlins are typically "by-pass" mount with **laps up to six feet at main frames for extra strength and ease of assembly**.

Girts (at sidewalls and endwalls) are **minimum 8" depth**. Members are cold-formed Z-sections, minimum 16 gauge, and up to 13 gauge, **55KSI material for superior strength**.

Purlins

Purlins (at the roof) are **minimum 8" depth**. 10" and 12" are also available depending on design requirements. Members are cold-formed Z-sections, minimum 16 gauge, and up to 13 gauge, **55KSI yield material for superior strength**. Purlins are **lapped at main frames for added strength and labor savings** during the erection process. Maximum spacing is 5'-0" on center maximum.

Eave Strut

Eave Struts are cold-formed unequal flange C-Sections. The top **flange is built to match the roof slope**, to help to ensure weather-tightness at the eave.

Sheeting Angle

A **continuous 14 gauge Sheeting Angle** is supplied for use at the gable ends (rake). The Sheeting Angle provides a place to positively **secure endwall sheets and gable trim**.

Base Angle

A **continuous 14 gauge Base Angle** is provided for attachment of wall sheeting at the base. The Base Angle is secured to the concrete with powder actuated anchors.

Primer

All steel arrives at the factory "black" (unprimed). Following the fabrication process, once all welding, drilling and punching of holes is complete, a coat of **factory primer** is applied to help **protect members during shipment and erection**.

Bracing

X-Bracing

Diagonal rod or cable bracing is supplied where required at the roof and walls to **absorb and redirect longitudinal loads** imposed by wind and seismic forces.

Flange Bracing

Angle Flange Bracing is provided for connection at the inner flange of the rigid frame and returns to the purlins and/or girts. These Flange Braces ensure **main frame column and rafter stability** under heavy loads.

Roof and Wall Panels

Canam Steel Building Corporation uses **super strong 26 gauge minimum, 80KSI yield strength material** for both roof and wall panels. Panels produced from such superior steel offer **greater resistance to damage from various impacts including hail**. Only **Galvalume® Plus** steel with a standard **25-Year warranty** is used for superior resistance to the elements.

Commercial PBR-Panel (Roof and Wall Applications)	PBR-Panels have a deeper, 1 1/4" high rib, 12" on center for extra strength . Stiffening ribs are roll-formed into every panel between the high ribs to reduce "oil canning".
Architectural Panel (Semi-Concealed Fastener) (Wall Applications)	Member fasteners are secured in the recesses ("flutes") of this panel. Configuration includes a shallow "V" for a clean, aesthetically appealing look .
Standing Seam Panels	Minimum 24 gauge steel is used to manufacture standing seam panels in a variety of profiles. Industrial and architectural standing seam panels are available in a number of profiles.
Ridge Cap	Canam Steel Building Corporation includes a die-formed ridge cap , built to match both the slope of your roof and the profile of the panel to ensure weather tightness.
Trim and Flashing	Canam Steel Building Corporation standard Architectural/Commercial trim package includes complete sculptured trim at the rake, eave, corners, framed openings (including full cover trim at framed openings), walk doors and base for a finished look.
Color Selections	A wide variety of colors and finishes for roof, wall and trim are available. All with a comprehensive 25-year warranty.
Bolts and Fasteners	
Structural Bolts	A-325 bolts are included for all primary member-to-member connections. A-307 bolts are included for all secondary-to-primary and secondary-to-secondary connections.
Fasteners	Self Drilling and Self-Tapping Fasteners are supplied for both roof and wall panels. Fasteners come pre-assembled with steel protector caps and neoprene washers.
Weather-tightness Package	
Closures	Closed-cell Neoprene Strips , preformed to match the profile of your panel with self-adhesive backing are included with every Canam Steel Building Corporation building to ensure a weather-tight seal against the elements. Closures are provided for the roofline, eave and base.
Sealant	1/2" wide, 3/32" thick Mastic Sealant for roof sidelaps, endlaps, and ridge cap is included for a cohesive, weather-tight roof.
Sheeting RECESS	Designed into every building system, unless otherwise requested is a 1-1/2" X 1-1/2" Sheeting Recess at the base. This Sheeting Recess provides added insurance against rodents, pests and the elements.
DRAWINGS and Submittals	
Anchor Rod Setting Plan	Canam Steel Building Corporation Anchor Rod Setting Plans include precise building reactions for an efficient foundation design, easy to read column placement information and clear baseplate details including anchor rod diameter.
Engineer Certified Erection Drawings	Sealed by a registered Professional Engineer licensed to practice where your building is to be placed , erection drawings include wall and roof framing diagrams, frame cross sections, sheeting and flashing details. Canam Steel Building Corporation erection drawings clearly illustrate how to properly assemble your building.
Letter of Certification	A Letter of Certification , sealed and signed by a Registered Professional Engineer, specifying the building code and designs load, for which your building has been designed, will be provided.
Factory Labeled Parts	Building System Components are clearly labeled at the factory with easy to read part numbers. These same part numbers are used for your delivery parts list and your erection drawings to speed and simplify inventory and erection of your Canam Steel Building Corporation building.

Our knowledgeable team of professionals is standing-by to provide effective solutions to your building needs