



# Quality Steel Buildings

## FRAMES

Mainframes, vertical columns, and rafters are constructed from  $\frac{1}{4}$ " plate steel (ASTM# A.1011 50ksi) to form "H" or "I" beams with base and connection plates pre-welded and punched for ease of assembly

Clips used to secure purlins and girts are pre-welded to the frame. Welded clips are more structurally sound and result in saving a significant amount of time when erecting

Each individual component is pre-cut, pre-drilled, numbered and stamped for easy identification during assembly

## WALLS

The same PBR panel used for the roof is used for the walls – but with the addition of a siliconized polyester finish which can withstand decades of exposure to the harshest of climates.

## HARDWARE

All connection bolts are either A-325 or stronger and zinc plated for maximum strength. Sheeting screws are all self-drilling, long life fasteners with pre-applied neoprene washers to assure weather tightness. The heads of sheeting screws are color-matched to the wall panel color.

## ROOF

PBR (purling bearing rib) panel is used for roofing and has a minimum 70ksi tensile strength. The extra leg on our PBR panel assures a solid, leak proof seal.

PBR roof panels come in a variety of colors, but all start off with a substrate of Galvalume (a mixture of aluminium-zinc alloy). Galvalume has a high solar reflective quality and is preferable for roof applications.

The ridge is finished with a die-formed 26 gauge ridge-cap with profile to match the PBR roof panel – which provides for a very solid seal from the elements.

## SEALS

A closed cell, high density foam closure strip on the base, eave and rake are the most effective in providing a weather-tight seal. Proper installation of seals is crucial to preventing bugs and animals from entering the structure. An extra-wide 1" mastic tape is used on all laps for the full length of the roof which insures a perfect seal.

**BUCK STEEL**

[www.bucksteel.com](http://www.bucksteel.com)  
**1-866-574-2825**