

Secondary Structures



Secondary structures bring the quiet structural work of a metal building, moving live wind and snow loads from the envelope to the primary frames. Exact fit matters because it's the connection point where roof, walls and structure come together, giving the building its strength.

VP engineers these members in a variety of sizes, gauges and configurations to suit each project's design and budget. All are roll-formed from G-30 galvanized, acrylic-coated steel and made to align with VP roof and wall systems.

Let's build.

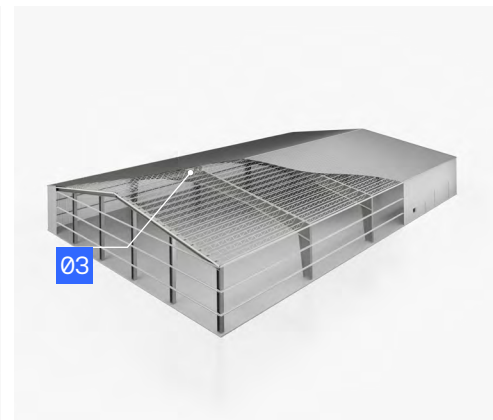
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Key Benefits

- **One Integrated Structure**
Engineered to create a sense of order across the building, so loads transfer cleanly and the full structure performs as one.
- **Faster Installation**
Secondary structures keep the project moving with fewer interruptions providing a smoother path to completion.
- **Greater Usable Space**
Open-up column placement and support any eave height, giving the interior room to work.
- **Protected From Day One**
Every member is G-30 galvanized and acrylic-coated before it ships, defending against corrosion.

Product Features

- 01 **System-wide integration**
designed to align with Varco Pruden roof and wall systems for unified performance.
- 02 **Top and bottom chords are bolted** therefore eliminating the need for welding and creating consistent fabrication.
- 03 **Long-span capability**
supports spans from 12–60' with depths of 30", 34" and 40" for optimized performance.



Specifications

Structural System

Structural Role

Member Types

Standard Size

Standard Material & Finish

Integration

Warranty

Secondary Structures

Secondary framing

Span between primary frames to support roof and walls

C-shaped girts, Z-shaped girts, C-shaped purlins, Z-shaped purlins, WideBay Truss Purlin, TransBay Bar Joist

Girts and purlins 7", 8½", 10", or 10½" up to 30' span, WideBay Truss Purlin 30", 34" or 40" up to 60' span, TransBay uses 11½" purlins for bay spacing beginning at 40'

G30 galvanized acrylic-coated cold-formed steel

Integrates with structure and roof & wall systems

Standard 3-year material and workmanship

