

## Product Evaluation

EC70 | 0221

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

**Evaluation ID:** EC-70

**Effective Date:** February 1, 2021

**Re-evaluation Date:** February 2025

**Product Name:** Minimum 26-Gauge Super Span-X Steel Wall Panels Installed Over Steel Girts

**Manufacturer:** Whirlwind Building Components  
8234 Hansen Road  
Houston, TX 77075  
(713) 946-7140

### General Description:

The Super Span-X steel wall panels have 36" of coverage. The steel wall panels have a 1-1/4" rib height. The steel wall panels are manufactured from minimum 26-gauge Galvalume coated steel that conform to ASTM A792, Grade 80, with a minimum yield strength of 80,000 psi. The steel wall panels can be painted with a Fluoropolymer finish coating.

### Limitations:

**Wall Framing:** The steel wall panels must be installed over open steel girts.

**New Wall Framing Attachment:** The wall framing must be installed as required for resistance to wind loads.

**Design Wind Pressures:** The design pressure wind load resistance must be as specified in Table 1.

**Table 1**  
Attachment of Minimum 26-gauge Super Span-X Steel Wall Panels to Steel Girts

Design Wind Pressure (psf)	Steel Girts	Attachment of Wall Panel to Steel Girts
-46.9 psf	Minimum 16-gauge; 5'-0" on center	Fastener @ 12"-12"-12" 5'-0" on center
-61.7 psf	Minimum 16-gauge; 4'-6" on center	Fastener @ 12"-12"-12" 4'-6" on center
-76.4 psf	Minimum 16-gauge; 4'-0" on center	Fastener @ 12"-12"-12" 4'-0" on center
-91.2 psf	Minimum 16-gauge; 3'-6" on center	Fastener @ 12"-12"-12" 3'-6" on center
-106 psf	Minimum 16-gauge; 3'-0" on center	Fastener @ 12"-12"-12" 3'-0" on center
-120 psf	Minimum 16-gauge; 2'-6" on center	Fastener @ 12"-12"-12" 2'-6" on center
-135 psf	Minimum 16-gauge; 2'-0" on center	Fastener @ 12"-12"-12" 2'-0" on center

**Installation Over an Existing Wall Covering:** Not permitted.

**Installation:**

**General:** The wall panels must be installed in accordance with the manufacturer’s recommended installation instructions and this evaluation report.

**Steel Girts:** The minimum thickness of steel and the maximum spacing of the girts must be as specified in Table 1.

**Attachment of Steel Wall Panels to the Steel Girts:** Minimum No. 12-14 x 1-1/4" long, hex head screws with a 5/8" dome washer. A line of fasteners is required along the steel girts. The required spacing of the fastener lines is specified in Table 1. The fasteners must be long enough to penetrate a minimum of three pitches of thread below the steel girt.

**Panel Side Laps:** The panels are stitched together with minimum 1/4-14 x 7/8" long hex head screws with a 5/8" dome washer. The fasteners must be spaced 20" on center along the length of the side lap.

**Panel Ends and End Laps to the Steel Purlins:** Minimum No. 12-14 x 1-1/4" long hex head screws with a 5/8" dome washer. The fastener pattern must be 5"-7"-5"-7"-5". The fasteners must be long enough to penetrate a minimum of three pitches of thread below the steel girt

**Trims, Closures, and Accessories:** Components, such as the eave trim, rake trim, ridge trim, hip trim, and valley trim must be installed as required by the manufacturer.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.