

## Product Evaluation

SV01 | 0123

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:** SV-01

**Effective Date:** January 1, 2023

**Re-evaluation Date:** January 2027

**Product Name:** SAGIREV Soffit

**Manufacturer:** SAGIPER North America, Inc.  
18505 105 Ave  
Edmonton, AB Canada T55 0K3  
(780) 482-3445

### General Description:

This evaluation report is for the SAGIREV soffit. The soffit consists of the following components:

**SAGIREV Soffit Board.** Extruded polyvinyl chloride (PVC), coated with a PVC film, soffit boards. The profile is tongue-and-groove and fastened to the building structure through pre-punched nailing slots located along one edge, which are concealed when the subsequent panel is installed. Nominal 6" wide x 12' long or 19' long.

**SAGIREV Vent Strip (Modified).** 1-piece accessory, extruded polyvinyl chloride (PVC) coated with a PVC film and 1-3/4" wide perforated width. **NOTE:** Part is field-modified prior to installation, per the Installation section in this evaluation report. Nominal 2.95" wide (coverage), 3.1" wide (overall) x 12' long.

**SAGIREV J-Mold Trim.** 1-piece accessory, extruded polyvinyl chloride (PVC) coated with a PVC film. Nominal 0.65" x 0.5" deep x 1.05" flange x 12' long or 19' long.

**SAGIREV H-Mold Trim.** 1-piece accessory, extruded polyvinyl chloride (PVC) coated with a PVC film. Nominal 1.125" x 12' long or 19' long.

**2-piece Aluminum J-Mold Clip.** 2-piece accessory, aluminum base and finishing cap with decorative film. Nominal 1.375" x 19' long.

**2-piece Aluminum H-Mold Clip.** 2-piece accessory, aluminum base and finishing cap with decorative film. Nominal 2.375" x 19' long.

**Limitations:**

**Design Wind Pressures:** Design wind pressure limitations are specified in Table 1.

Table 1: Soffit to Framing									
Assembly Number	Allowable Design Pressure (psf)	Product	Profile	Span (in.)	Fastening				
					Fastener	J-Mold or H-Mold Trim	Soffit Attach		
							Wall Side	Center	Eave Side
1	-120	SAGIREV Soffit	Nominal 6-inch width	16	Min. #8 x 1-1/4" long screws with a nominal 7/16" diameter modified truss head	12" o.c.	6" o.c.	N/A	6" o.c.
2	-67.5			24					

**Installation:**

**General Installation Requirements:**

All fasteners must be corrosion resistant as required by the IRC and the IBC.

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

**Framing:** The substrate framing must minimum 2X Spruce-Pine-Fir dimension lumber.

**Installation:** Install the soffit as specified in Table 1.

**Orientation:** The soffit may be installed oriented either parallel or perpendicular to the exterior wall. The maximum span of the soffit (i.e., distance between substrate framing) is as specified in Table 1.

**SAGIREV Vent Strip (modified):**

The SAGIREV Vent Strip must be field-modified such that the concealed fastening flange at floating side is reduced in width from 0.9" to 0.2". This to facilitate engagement with the fastened flange of the SAGIREV Soffit Board. The opposite flange of the SAGIREV Vent Strip must be fastened in a similar manner to the SAGIREV Soffit Board.

The fastening flange of the SAGIREV Soffit Board, which is to receive the SAGIREV Vent Strip, is fastened as normal, but the fastener head is left slightly elevated so as to allow the 0.2" wide modified flange of the SAGIREV Vent Strip to engage behind the fastened flange of the SAGIREV Soffit Board.

This is noted in SAGIPER North America, Inc. published installation instructions as "High Wind Velocity Vent Installation".

The Net Free Ventilation Area reported as 21 in<sup>2</sup>/lineal-ft is as published by the manufacturer at the time of this evaluation report. The evaluation report user should verify current published data at the time of design and/or permitting to the satisfaction of the Authority Having Jurisdiction.

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