

# TECHNICAL SHEET

## SOFFIT



### DESCRIPTION

The Vaillancourt soffit has ventilation openings and is placed to cover the underside of the roof overhang in order to ensure a proper air circulation through the attic space. The Vaillancourt soffit is tailor-made according to the needs and requirements of the client. The soffit can be shaped as a standard panel or into single piece length from within the fascia to form a unique assembly.

The ventilation openings are perforated in a series of four rows by an industrial punch machine that pushes the metal sheet to form a difference in level.

The number of holes necessary to obtain optimal ventilation will depend on building type, underside roof space, slope angle, insulated ceiling area and location site and standards.

Complies with CAN3-A93-M82: Building ventilation vents.

Also available: Non-vented soffit.



### MATERIALS

The ventilation holes can be perforated in metal sheets of any type, either :

- ◆ 24 or 26 gauge galvanized steel
- ◆ 24 gauge or 26 gauge Galvalume® steel
- ◆ 24 gauge or 26 gauge prepainted steel
- ◆ 16 oz or 20 oz copper

Preferably always use the same type of metal as the roof, gutters and downspouts.

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## SOFFIT



### MANUFACTURING

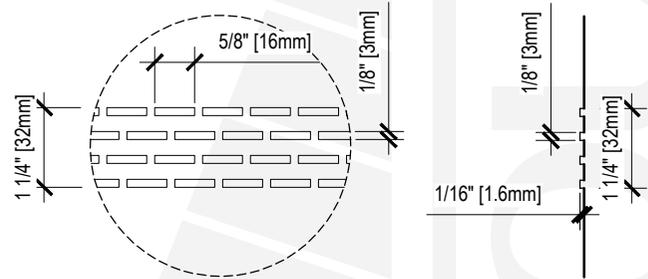
Standard Vaillancourt soffit panels :

The metal sheets are perforated along the length, then shaped with concealed crimps and then cut with an industrial slice to the desired length. The series of ventilation holes are perpendicular to the outer fascia.

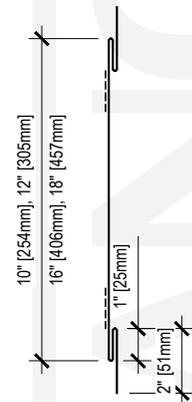
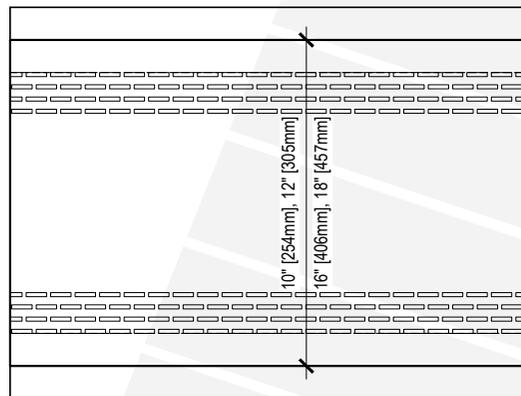
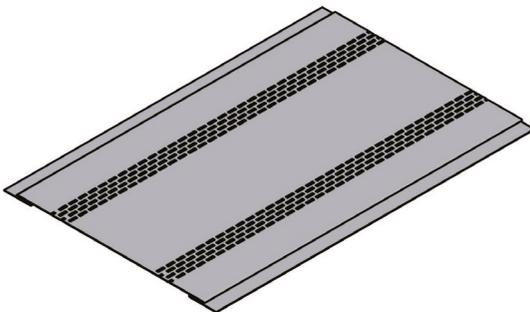
### PERFORATION SPECIFICATION (VENTILATION OPENINGS)

5.376 square inches per linear foot per panel based on the following formula:

14 perforations per linear foot X 4 rows X (0.06 in. Deep, x 0.4 in. Long x 2 open sides) X2 series of perforations<sup>1</sup>.



### VENTED SOFFIT PANEL



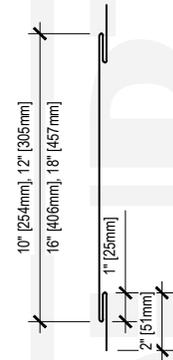
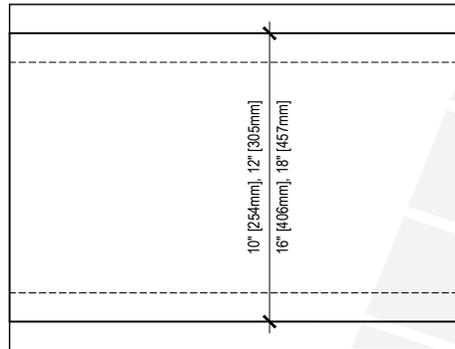
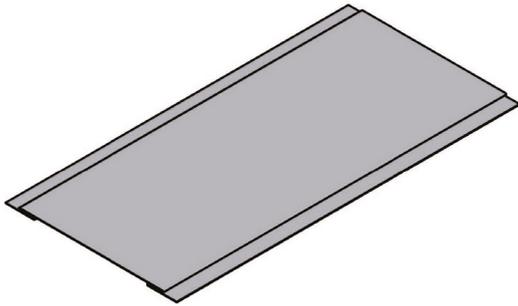
VENTILATION OPENING TABLE	
Panel with 2 series of perforations	
Exposed panel width	Opening percentage
10 po (250 mm)	4,48 %
12 po (300 mm)	3,72 %
16 po (400 mm)	2,79 %
18 po (450 mm)	2,48 %

<sup>1</sup> Technical data taken from the specifications of the industrial punch manufacturer (Roll Former Corp.)

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## NON VENTED SOFFIT PANEL



## LENGTHWISE VENTED SOFFIT

The lengthwise vented soffits are made to measure according to the specific needs of the project.

### Manufacturing :

The metal sheets are perforated along the length of the metal sheet. The perforation series are positioned according to the dimensions of the underside of the roof. Subsequently, the metal foil is shaped to create a unique molded soffit.



### Perforation specifications (ventilation openings) :

FREE SURFACE OF VENTILATION OPENINGS		
Perforation series	Opening surface	
	po <sup>2</sup> / pi. lin.	mm <sup>2</sup> / m. lin.
1	2.688	5 688
2	5.376	11 376
3	8.064	17 064

