

BC BUILDING CODE INTERPRETATION COMMITTEE

A joint committee with members representing
AIBC, EGBC, BOABC

File No: 18-0273-REV1

INTERPRETATION

Page 1 of 2

Interpretation Date:	September 16, 2025 (REV 1)
Building Code Edition:	BC Building Code 2018
Subject:	Wind Loads on Roofing Membranes
Keywords:	Wind loads, roofing membrane, structural design
Building Code Reference(s):	2.2.4.3.(1)(e) of Div C, Schedules A & B

Question:

For a Part 3 building:

1. Is the Coordinating Registered Professional responsible to ascertain that the appropriate registered professionals of record have been retained for the design and field review of the roof assembly, including the wind resistance of the roofing membrane?
2. Is the Structural Registered Professional of Record responsible for determining the applicable wind loads on the roof assembly, and must the applicable wind loads be indicated on the structural drawings?
3. Is the Architectural Registered Professional of Record responsible for assuring that the design and installation of the roofing membrane substantially complies with the requirements of Subsection 5.2.2.?

Interpretation:

1. Yes.

Note 1 at the bottom of Page 1 of Schedule A states "*It is the responsibility of the Coordinating Registered Professional to ascertain which registered professionals of record are required*" for the project.

2. Yes.

Clause 2.2.4.3.(1)(e) of Division C requires the information on structural drawings to include "*all effects and loads, other than dead loads, used for the design of the structural members and exterior cladding*".



Patrick Shek, P.Eng., CP, FEC, Committee Chair

The views expressed are the consensus of the joint committee with members representing AIBC, EGBC and BOABC, which form the BC Building Code Interpretation Committee. The Building and Safety Standards Branch, Province of BC and the City of Vancouver participate in the committee's proceedings with respect to interpretations of the BC Building Code. The purpose of the committee is to encourage uniform province wide interpretation of the BC Building Code. These views should not be considered as the official interpretation of legislated requirements based on the BC Building Code, as final responsibility for an interpretation rests with the local *Authority Having Jurisdiction*. The views of the joint committee should not be construed as legal advice.

BC BUILDING CODE INTERPRETATION COMMITTEE

A joint committee with members representing
AIBC, EGBC, BOABC

File No: 18-0273-REV1

INTERPRETATION

Page 2 of 2

Although the term “exterior cladding” is commonly attributed to exterior wall cladding, with respect to a roof assembly, it would also include the wind loads on a roof assembly.

The wind loads that are required to be shown on the structural drawings are the mean hourly wind pressures for the project site.

3. Yes

Item 1.18 of Schedule B requires the Architectural Registered Professional of Record be responsible for the design and field review of “*Roofing and flashings*”.

Item 1.23 of Schedule B requires the Architectural Registered Professional of Record be responsible for the design and field review of “*Environmental separation requirements (Part 5)*”.

Although the architect has overall responsibility for roofing systems, they can rely upon supporting registered professionals to assist in fulfilling their obligations described in their Schedule B.

The supporting registered professional is then responsible for the design and field reviews for the structural aspects of the roofing membranes, including detailed wind pressure calculations to suit the project configuration.



Patrick Shek, P.Eng., CP, FEC, Committee Chair

The views expressed are the consensus of the joint committee with members representing AIBC, EGBC and BOABC, which form the BC Building Code Interpretation Committee. The Building and Safety Standards Branch, Province of BC and the City of Vancouver participate in the committee's proceedings with respect to interpretations of the BC Building Code. The purpose of the committee is to encourage uniform province wide interpretation of the BC Building Code. These views should not be considered as the official interpretation of legislated requirements based on the BC Building Code, as final responsibility for an interpretation rests with the local *Authority Having Jurisdiction*. The views of the joint committee should not be construed as legal advice.