

# STRUCTURAL STATEMENT OF DESIGN FLOW CONTROL ROOF DRAINAGE DECLARATION

(for Part 3 Buildings)  
O. Reg. 203/24 (2024 Building Code as amended)

Building Standards Department  
2141 Major Mackenzie Drive  
Vaughan, Ontario L6A 1T1

Permit Application No.:

Property Address:

## SECTION A: LIVE LOADS DUE TO SNOW AND RAIN – OBC SUBSECTION 4.1.6. (to be completed by the structural engineer only)

Does the design of the roof incorporate the specified snow loading? Specifically, article 4.1.6.2.?

☐ Yes ☐ No

If No, please elaborate below

Does the roof of this building incorporate flow control roof drainage?

Yes No

If Yes, please complete and provide information below in Section B.

**SECTION B:** The above building has been designed as per 2024 Ontario Building Code Subsection 4.1.6., Loads Due to Snow, and Rain. With reference to O.B.C. Article 4.1.6.4., Specified Rain Load, the following design parameters are incorporated into the overall design:

Flow control roof drains meeting the following conditions:

- the maximum drain down time does not exceed 24 h,
- the roof structure is designed to carry the load of the stored water,
- one or more scuppers are installed not more than 30 m apart along the perimeter of the building so that,
  - up to 200% of the 15-minute rainfall intensity can be handled, and
  - the maximum depth of controlled water is limited to 150 mm,
- they are located not more than 15 m from the edge of the roof and not more than 30 m from adjacent drains, and
- there is at least one drain for each 900 m<sup>2</sup>.

Where the height of the parapet is more than 150 mm or exceeds the height of the adjacent wall flashing,

- emergency roof overflows or scuppers described in above Clause (c) shall be provided, and
- there shall be a minimum of two roof drains.

Structural Engineer's seal (Section A)

Mechanical Engineer's Seal (Section B)

Professional Stamp Certified by:

Professional Stamp Certified by:

Signature

Date

YY MM DD

Signature

Date

YY MM DD

Phone Number

Phone Number

City

Province

Postal Code

City

Province

Postal Code

Personal information on this form is collected under the legal authority of the [Building Code Act, 1992, S.O. 1992, c. 23 O. Reg. 332/24](#). This information will be used to process the Building Permit Application and, in the administration, and enforcement of the previously noted statute. As a public record, information contained on this application and the documents required to issue a building permit may be disclosed to any individual under [the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M56](#). Questions about this collection should be directed to the Building Standards Department at (905) 832-8510 or at [buildingstandards@vaughan.ca](mailto:buildingstandards@vaughan.ca).