

 Building Standards	STATEMENT OF DESIGN (for Part 3 Buildings) Ont. Reg. 332/12	Building Standards Department 2141 Major Mackenzie Drive Vaughan, Ontario L6A 1T1
---	--	---

Permit Application No.:	Property Address	Legal Description:
Owner:	Address and/or Company: _____	Telephone No.:
Professional Designer:	Address and/or Company: _____	Telephone No.:

MAJOR OCCUPANCY CLASSIFICATION: Group _____ Div. _____ Occ. Load _____ Group _____ Div. _____ Occ. Load _____ Group _____ Div. _____ Occ. Load _____	MAIN USE OR ACTIVITY FOR WHICH THE STRUCTURE HAS BEEN DESIGNED
Building Area = _____ m ²	Gross Floor Area = _____ m ²
Building Height = _____ m ² Storey	Building Faces _____ Street(s)
Sprinkler System Throughout Building <input type="checkbox"/> Yes <input type="checkbox"/> No	Building Classification _____ Article 3.2.2.
Sprinkler System Supervised _____ Yes <input type="checkbox"/> No <input type="checkbox"/>	
Fire Alarm System Provided _____ Yes <input type="checkbox"/> No <input type="checkbox"/>	Professional's Signature _____ Date
OBC Matrix Provided _____ Yes <input type="checkbox"/> No <input type="checkbox"/>	

LIVE LOADS DUE TO SNOW, ICE 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, clause 4.1.6.2(2). <input type="checkbox"/> Yes <input type="checkbox"/> No If No , please elaborate.		
Does the roof of this building incorporate the flow control roof drainage? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes , please complete the Flow Control Roof Drainage Declaration Form on the reverse side.		
Professional Designer	Date	Signature

Personal information on this form is collected under the legal authority of the [Building Code Act, 1992, S.O. 1992, c. 23 O. Reg. 332/12](#). 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.



Building Standards

FLOW CONTROL ROOF DRAINAGE DECLARATION

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

Permit Application No.:

Property Address:

The above building has been designed as per 2012 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 design parameters incorporated into the overall design is:

Flow control roof drains meeting the following conditions:

- a) the maximum drain down time does not exceed 24 h,
- b) the roof structure is designed to carry the load of the stored water,
- c) one or more scuppers are installed not more than 30 m apart along the perimeter of the building so that,
 - (i) the scuppers are designed to handle at least 200% of the 15-minute rainfall intensity, and
 - (ii) the maximum depth of controlled water is limited to 150 mm,
- d) they are located not more than 15 m from the edge of the roof and not more than 30 m from adjacent drains, and
- e) there is at least one drain for each 900 m².

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

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

Structural Engineer's seal

Mechanical Engineer's Seal

Professional Stamp Certified by:

Professional Stamp Certified by:

Signature

Date (YY MM DD)

Signature

Date (YY MM DD)

Phone Number

Phone Number

City

Province

City

Province

Postal Code

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. 332/12](#). 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.

Name of Practice: Enter address and contact information here:						
Name of Project: Enter name here:						
Location: Enter address here:						
Date:						
Item	Ontario Building Code Data Matrix Parts 3 or 9				Building Code Reference	
					References are to Division B unless noted [A] for Division A or [C] for Division C.	
1	Project Description:	<input type="checkbox"/> New	<input type="checkbox"/> Part 11	<input type="checkbox"/> Part 3	<input type="checkbox"/> Part 9	
	<input type="checkbox"/> Addition	<input type="checkbox"/> Alteration	11.1 to 11.4	1.1.2. [A]	1.1.2. [A] & 9.10.1.3.	
	<input type="checkbox"/> Change of Use					
2	Major Occupancy(s)				3.1.2.1.(1)	9.10.2.
3	Building Area (m ²)	Existing _____	New _____	Total _____	1.4.1.2. [A]	1.4.1.2. [A]
4	Gross Area	Existing _____	New _____	Total _____	1.4.1.2. [A]	1.4.1.2. [A]
5	Number of Storeys	Above grade _____	Below grade _____		1.4.1.2. [A]&3.2.1.1.	1.4.1.2[A] & 9.10.4
6	Number of Streets/Fire Fighter Access _____				3.2.2.10. & 3.2.5.	9.10.20.
7	Building Classification _____				3.2.2.20.-.83	9.10.2.
8	Sprinkler System Proposed	entire building	3.2.2.20.-.83	9.10.8.2.		
		selected compartments	3.2.1.5.			
		selected floor areas	3.2.2.17.			
		basement in lieu of roofing	INDEX	INDEX		
		not required				
9	Standpipe required	Yes	No	3.2.9.	N/A	
10	Fire Alarm required	Yes	No	3.2.4.	9.10.18.	
11	Water Service/Supply is Adequate	Yes	No	3.2.5.7.	N/A	
12	High Building	Yes	No	3.2.6.	N/A	
13	Construction Restrictions	Combustible permitted	Non-combustible required	Both	3.2.2.20.-.83	9.10.6.
	Actual Construction	Combustible	Non-combustible	Both		
14	Mezzanine(s) Area m ²				3.2.1.1.(3)-(8)	9.10.4.1.
15	Occupant load based on	m ² /person	design of building	3.1.17.	9.9.1.3.	
	Basement:	Occupancy _____	Load _____ persons			
	1 st Floor	Occupancy _____	Load _____ persons			
	2 nd Floor	Occupancy _____	Load _____ persons			
	3 rd Floor	Occupancy _____	Load _____ persons			
	(Additional floor areas continued on last page)					
16	Barrier-free Design	Yes	No (Explain) _____	3.8.	9.5.2.	
17	Hazardous Substances	Yes	No	3.3.1.2. & 3.3.1.19.	9.10.1.3.(4)	

18	Required Fire Resistance Rating (FRR)	Horizontal Assemblies FRR (Hours)			Listed Design No. or Description (SB-2)	3.2.2.20.-.83 & 3.2.1.4.	9.10.8. 9.10.9.								
		Floors_____Hours													
		Roof_____Hours													
		Mezzanine_____Hours													
		FRR of Supporting Members			Listed Design No. Or Description (SB-2)										
		Floors_____Hours													
		Roof_____Hours													
		Mezzanine_____Hours													
19	Spatial Separation – Construction of Exterior Walls								3.2.3.		9.10.14.				
	Wall	Area of EBF (m ²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (Hours)	Listed Design or Description	Comb Const	Comb. Constr. Nonc. Cladding	Non-comb. Constr.				
	North														
	South														
	East														
West															
20	Plumbing Fixture Requirements								Building Code Reference						
	Male/Female Count @ _____% / _____%, except as noted otherwise Basement: Occupancy _____ Occupancy _____ 1 st Floor: Occupancy _____ Occupancy _____ 2 nd Floor: Occupancy _____ Occupancy _____ 3 rd Floor: Occupancy _____ Occupancy _____ (Adjust as Required for Additional Floors or Occupancies)								Occupant Load		BC Table Number	Fixtures Required	Fixtures Provided	Part 3	Part 9
21	Other (describe) _____														

	15 (Occupant Load - Continued)														
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												
	_____Floor	Occupancy_____	Load_____persons												

Name of Practice:

Enter address and contact information here.

Name of Project:

Enter name here.

Location:

Enter address here.

**Ontario Building Code
Data Matrix, Part 11 – Renovation of Existing Building**

**Building Code
Reference**

11.1	Existing Building classification:	Describe Existing Use: _____ Construction Index: _____ Hazard Index: _____ <input type="checkbox"/> Not Applicable (no change of major occupancy)	11.2.1 T 11.2.1.1A T 11.2.1.1B to N
11.2	Alteration to Existing Building is:	Basic Renovation Extensive Renovation	11.3.3.1 11.3.3.2
11.3	Reduction in Performance Level:	Structural: <input type="checkbox"/> No <input type="checkbox"/> Yes By Increase in occupant load: <input type="checkbox"/> No <input type="checkbox"/> Yes By change of major occupancy: <input type="checkbox"/> No <input type="checkbox"/> Yes Plumbing: <input type="checkbox"/> No <input type="checkbox"/> Yes Sewage-system: <input type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2 11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.4	Compensating Construction:	Structural: <input type="checkbox"/> No <input type="checkbox"/> Yes Increase in occupant load: <input type="checkbox"/> No <input type="checkbox"/> Yes Change of major occupancy: <input type="checkbox"/> No <input type="checkbox"/> Yes Plumbing: <input type="checkbox"/> No <input type="checkbox"/> Yes Sewage system: <input type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3 11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6
11.5	Compliance Alternatives Proposed:	No Yes (give number[s])	11.5.1

5.4.3 – Air Leakage

All conditioned spaces have been designed with a continuous air barrier.	<input type="checkbox"/> YES
Specified Fenestration and Doors have certified air leakage rates lower than the allowable under ASHRAE90.1-2010 Section 5.4.3.2. Exception: Field Fabricated windows and doors.* Exception: Metal coiling doors in semiheated spaces.	<input type="checkbox"/> YES – allowable exceptions noted YES N/A YES N/A
Cargo doors and loading dock doors are equipped with weather seals.	YES
Building Entrances separating the conditioned space from the exterior include a vestibule. Exception: Revolving doors. Exception: Non-entrance doors. Exception: Doors opening from dwelling unit. Exception: Entrances less than 90m ² in area. Exception: Doors opening from a space less than 280 m ² that is separate from the building entrance.	YES – allowable exceptions noted YES N/A YES N/A YES N/A YES N/A YES N/A

**Note that field fabricated fenestration does not include “stick-built” curtain wall and storefront systems that are assembled on site. This exemption only applies when the frame is made on site of materials that were not previously designed to be used as part of a fenestration system such as using dimensional lumber to manually create a window or door frame.*