

 Building Standards	STATEMENT OF DESIGN (for Part 3 Buildings) Ont. Reg. 332/12	Building Standards Department 2141 Major Mackenzie Drive Vaughan, Ontario L6A 1T1
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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 <input type="checkbox"/> Yes <input type="checkbox"/> No	
Fire Alarm System Provided <input type="checkbox"/> Yes <input type="checkbox"/> No	Professional's Signature _____ Date
OBC Matrix Provided <input type="checkbox"/> Yes <input type="checkbox"/> No	

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. 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 Privacy Act. Questions about this collection should be directed to the Manager of Customer and Administrative Services. 2141 Major Mackenzie Drive, Vaughan, Ontario L6A 1T1 (905) 832-8510.

Updated: May 2015 L:\FORMS_Official\application packages for web\Ind Comm_Inst_High Ris Res packages\STATEMENT OF DESIGN 2015 DRAFTS.docx



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

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<p>Name of Practice: Enter address and contact information here.</p> <p>Name of Project: Enter name here.</p> <p>Location: Enter address here.</p>						
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"/> Addition <input type="checkbox"/> Change of Use	<input type="checkbox"/> Part 11 11.1 to 11.4	<input type="checkbox"/> Part 3 1.1.2. [A]	<input type="checkbox"/> Part 9 1.1.2. [A] & 9.10.1.3.	
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		<input type="checkbox"/> entire building <input type="checkbox"/> selected compartments <input type="checkbox"/> selected floor areas <input type="checkbox"/> basement <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> not required	3.2.2.20.-.83 3.2.1.5. 3.2.2.17. INDEX	9.10.8.2. INDEX	
9	Standpipe required		<input type="checkbox"/> Yes <input type="checkbox"/> No	3.2.9.	N/A	
10	Fire Alarm required		<input type="checkbox"/> Yes <input type="checkbox"/> No	3.2.4.	9.10.18.	
11	Water Service/Supply is Adequate		<input type="checkbox"/> Yes <input type="checkbox"/> No	3.2.5.7.	N/A	
12	High Building		<input type="checkbox"/> Yes <input type="checkbox"/> No	3.2.6.	N/A	
13	Construction Restrictions	<input type="checkbox"/> Combustible permitted	<input type="checkbox"/> Non-combustible required	<input type="checkbox"/> Both	3.2.2.20.-.83	9.10.6.
	Actual Construction	<input type="checkbox"/> Combustible	<input type="checkbox"/> Non-combustible	<input type="checkbox"/> Both		
14	Mezzanine(s) Area m ² _____			3.2.1.1.(3)-(8)	9.10.4.1.	
15	Occupant load based on	<input type="checkbox"/> m ² /person	<input type="checkbox"/> 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		<input type="checkbox"/> Yes <input type="checkbox"/> No (Explain) _____		3.8.	9.5.2.
17	Hazardous Substances		<input type="checkbox"/> Yes <input type="checkbox"/> No		3.3.1.2. & 3.3.1.19.	9.10.1.3.(4)

18	Required Fire Resistance Rating (FRR)	Horizontal Assemblies				Listed Design No. or Description (SB-2)		3.2.2.20.-.83 & 3.2.1.4.		9.10.8. 9.10.9.	
		FRR (Hours)									
		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								<input type="checkbox"/> Part 3	<input type="checkbox"/> Part 9	
	Basement: Occupancy _____				Occupant Load	BC Table Number	Fixtures Required	Fixtures Provided			
	Occupancy _____										
	1 st Floor: Occupancy _____										
	Occupancy _____										
	2 nd Floor: Occupancy _____										
	Occupancy _____										
	3 rd Floor: Occupancy _____										
Occupancy _____											
(Adjust as Required for Additional Floors or Occupancies)											
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									
_____ Floor	Occupancy _____	Load _____ persons									

19 (Spatial Separation – Construction of Exterior Walls - Continued)									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.

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 <input type="checkbox"/> Extensive Renovation <input type="checkbox"/>	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 (explain) Increase in occupant load: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain) Change of major occupancy: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain) Plumbing: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain) Sewage system: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain)	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:	<input type="checkbox"/> No <input type="checkbox"/> 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 <input type="checkbox"/> YES <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> N/A
Cargo doors and loading dock doors are equipped with weather seals.	<input type="checkbox"/> 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.	<input type="checkbox"/> YES – allowable exceptions noted <input type="checkbox"/> YES <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> 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.*