

Ontario Building Code Design Information

Proposed: OPA/ZBA Submission - High-Rise
Location: 63 Albany St, Oshawa, ON L1H 2Z2
Permit Application No.:
Site Plan Application No.:
Oshawa Snow Load Map Received: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Major Occupancy: <input type="checkbox"/> A-_____ <input type="checkbox"/> B-_____ <input checked="" type="checkbox"/> C- 3.2.2.42 <input type="checkbox"/> D-_____ <input type="checkbox"/> E-_____ <input checked="" type="checkbox"/> F- 3 - 3.2.2.73 (Storage Garage) F-3 Combustible content of <input type="checkbox"/> _____ kg/sq. m (lb/sq. ft.) <input type="checkbox"/> _____ MJ/sq. m (BTU/sq. ft.)
Building Area: Existing - _____ sq. m Proposed <u>2301</u> sq. m Total <u>2301</u> sq. m
Gross Area: Existing - _____ sq. m Proposed <u>33760</u> sq. m Total <u>33760</u> sq. m
Building Height: Storeys <u>22</u> Height <u>70</u> m Level(s) of basement <u>2</u>
Building Divided by Firewalls: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Building A _____ sq. m Building B _____ sq. m Building C _____ sq. m
Firewall Construction: <input type="checkbox"/> Concrete <input type="checkbox"/> Masonry _____ Hours FRR, extended _____ mm above roof
Proposed Mezzanines: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Open mezzanine: _____ sq. m located in _____ Enclosed mezzanine: _____ sq. m located in _____
Building is required to face: <input type="checkbox"/> <u>1</u> _____ OBC defined public street(s) <input type="checkbox"/> <u>1</u> _____ access route(s) for Fire Department vehicles
Fire Hydrant located within: <u>36</u> m <input type="checkbox"/> from building entrance <input checked="" type="checkbox"/> from Fire Department connection
Fire Sprinkler System Proposed: <input checked="" type="checkbox"/> Entire Building <input type="checkbox"/> Addition Only <input type="checkbox"/> Basement Only <input type="checkbox"/> In Lieu of Roof Rating <input type="checkbox"/> Not Proposed
Governing OBC Article: <input type="checkbox"/> 3.2.2. _____ <input type="checkbox"/> Table 9.10.8.1. <input type="checkbox"/> 3.2.2. _____ <input checked="" type="checkbox"/> High Building 3.2.6.
Permitted Construction: <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Noncombustible <input type="checkbox"/> Both
Actual Construction: <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Noncombustible <input type="checkbox"/> Both
Energy Efficient Design Standard: <input checked="" type="checkbox"/> To Be Determined at Building Permit Application <input type="checkbox"/> Exceed 13% of SB10 Div.2 or 4 <input type="checkbox"/> ASHRAE 189.1-2014 <input type="checkbox"/> ASHRAE 90.1-2013+SB10 <input type="checkbox"/> NECB-2015+SB10 <input type="checkbox"/> SB10 Div. 5 (Part 9 Non-Residential) <input type="checkbox"/> SB12 Chapter 1 and 3 (Part 9 Residential) <input type="checkbox"/> Exceed 15% of SB12 Chapter 2 <input type="checkbox"/> Exempt from Energy Efficiency – Explanation: _____

Proposed:

Total Occupant Load: 2 persons based on: (2 Person/Bedroom)
 _____ sq. m /person not found in OBC T.3.1.17.1.

Fire Alarm System: Yes No
If No, Explain _____

Standpipe and Hose System: Yes No
If No, Explain: _____

Barrier-Free Design: Yes No
If No, Explain: _____

Required Fire Resistance Rating (FRR) (Note: Optional for Site Plan Application)

Horizontal Assemblies FRR Hours:		FRR of Supporting Members	
Floors	<u>2</u> hours	Floors	<u>2</u> hours
Roof	<u>0</u> hours	Roof	<u>0</u> hours
Mezzanine	<u>n/a</u> hours	Mezzanine	<u>n/a</u> hours
Listed Design No. or Description		ULC Design No. or Description	
Floors	_____ hours <u>Poured Conc.</u>	Floors	_____ hours <u>Poured Conc.</u>
Roof	_____ hours <u>Poured Conc.</u>	Roof	_____ hours <u>Poured Conc.</u>
Mezzanine	_____ hours <u>n/a</u>	Mezzanine	_____ hours <u>n/a</u>

Spatial Separation - Construction of Exterior Walls (submit calculations if required)

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. Noncomb. Cladding	Noncomb. Constr.
North		<u>13.0</u>		<u>100%</u>						
South	<u>40.5</u>	<u>3.0</u>		<u>36%</u>	<u>10%</u>	<u>3/4 Hr</u>				
East		<u>14.0</u>		<u>100%</u>						
West		<u>15.0</u>		<u>100%</u>						

Design & Review By: OAA P. Eng. CET MAATO BCIN

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Date: <u>2024/09/26</u>	Signature:

Note: Every building or part thereof described in OBC Division C, Table 1.2.1.1. shall be designed and reviewed by an architect, professional engineer or both.

Reference: 2012 Ontario Building Code, as amended