

Ontario Building Code Design Information

Proposed: Studio Container Unit for demonstrational purpose only
Location: 28 Albert St, Oshawa, ON L1H 4N1
Permit Application No.: 20190811
Site Plan Application No.:
Oshawa Snow Load Map Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Major Occupancy: <input type="checkbox"/> A-_____ <input type="checkbox"/> B-_____ <input type="checkbox"/> C-_____ <input checked="" type="checkbox"/> D- OFFICE <input type="checkbox"/> E-_____ <input type="checkbox"/> F-_____ 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 <u>0</u> sq. m Proposed <u>30</u> sq. m Total <u>30</u> sq. m
Gross Area: Existing <u>0</u> sq. m Proposed <u>30</u> sq. m Total <u>30</u> sq. m
Building Height: Storeys <u>1</u> Height <u>2.7</u> m Level(s) of basement <u>0</u>
Building Divided by Firewalls: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Building A <u>0</u> sq. m Building B <u>0</u> sq. m Building C <u>0</u> 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"/> _____ OBC defined public street(s) <input checked="" type="checkbox"/> EAST access route(s) for Fire Department vehicles
Fire Hydrant located within: <u>35</u> m <input type="checkbox"/> from building entrance <input checked="" type="checkbox"/> from Fire Department connection
Fire Sprinkler System Proposed: <input type="checkbox"/> Entire Building <input type="checkbox"/> Addition Only <input type="checkbox"/> Basement Only <input type="checkbox"/> In Lieu of Roof Rating <input checked="" type="checkbox"/> Not Proposed
Governing OBC Article: <input type="checkbox"/> 3.2.2. _____ <input checked="" type="checkbox"/> Table 9.10.8.1. <input type="checkbox"/> 3.2.2. _____ <input type="checkbox"/> High Building 3.2.6.
Permitted Construction: <input type="checkbox"/> Combustible <input type="checkbox"/> Noncombustible <input checked="" type="checkbox"/> Both
Actual Construction: <input type="checkbox"/> Combustible <input type="checkbox"/> Noncombustible <input checked="" type="checkbox"/> Both
Energy Efficient Design Standard: <input 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 checked="" type="checkbox"/> Exempt from Energy Efficiency – Explanation: <u>NOT A HEATED UNIT</u>

Proposed:

Total Occupant Load: 2 persons based on:

sq. m /person

not found in OBC T.3.1.17.1.

Fire Alarm System:

Yes

No

If No, Explain DEMOSTRATIONAL UNIT ONLY, NOT FOR OCCUPANCY

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)

<div>Horizontal Assemblies FRR Hours:</div> <div>Floors 0 hours</div> <div>Roof 0 hours</div> <div>Mezzanine hours</div>	<div>FRR of Supporting Members</div> <div>Floors 0 hours</div> <div>Roof 0 hours</div> <div>Mezzanine hours</div>
<div>Listed Design No. or Description</div> <div>Floors 0 hours</div> <div>Roof 0 hours</div> <div>Mezzanine hours</div>	<div>ULC Design No. or Description</div> <div>Floors 0 hours</div> <div>Roof 0 hours</div> <div>Mezzanine hours</div>

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

Wall	Area of EBF (m²)	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	40	2.03			0	1	per a-2		ex.sheeting	
South	40	N/A			16.9%	1	per a-2		ex.sheeting	
East	7.3	11.76			0	1	per a-2		ex.sheeting	
West	7.3	8.4			0	1	per a-2		ex.sheeting	

Design & Review By:

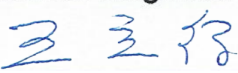
OAA

P. Eng.

CET

MAATO

BCIN

<div>Name:</div> BILL WANG, P.ENG	<div>BCIN #</div>
<div>Firm:</div> LHW ENGINEERING LTD	<div>BCIN #</div>
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<div>Date:</div> 2019-AUG-14	<div>Signature:</div> 

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