



Report Submission for:

Building Permit Application

Statement of Compliance - National Energy Code of Canada for Buildings 2020

Project Name:		Building Permit Number (Completed Internally)
Project Address:		
Applicant Name:		
Applicant Address:		

1. All relevant information as required in NECB Division C 2.2.2.3-7 is included in drawings or supplementary submissions.

Part 3 - Building Envelope

General

All prescriptive requirements in Division B, Section 3.2 met?	
All Trade-off requirements in Division B, Section 3.3 met?	
Effective thermal transmittance including the effects of thermal bridging has been calculated as per Section 3.1.1.7?	
The building envelope meets air leakage requirements from Article 3.2.4.1?	

Overall thermal Transmittance (m²K/W)

	Proposed	NECB Limit	
		HDD @ 18	HDD @ 15
Opaque walls (above ground)		≤ 0.215	≤ 0.240
Opaque walls (in contact with ground)		≤ 0.284	≤ 0.284
Roofs (above ground)		≤ 0.121	≤ 0.138
Roofs (in contact with ground)		≤ 0.284	≤ 0.284
Floors (above ground)		≤ 0.138	≤ 0.156
Floors (in contact with ground)		≤ 0.757 for 1.2m	≤ 0.757 for 1.2m
Vertical Fenestration		≤ 1.73	≤ 1.73
Skylights		≤ 2.41	≤ 2.41
FWDR		≤ 0.33	≤ 0.4

Air Leakage (L/(s·m²))

Air Leakage Compliance Path	
Fixed fenestration and curtain walls	≤ 0.20
Operable windows, skylights, and doors	≤ 0.50
Overhead doors	≤ 2.0
Operable revolving and auto sliding doors	≤ 5.0

Trade-off Path Compliance

	Proposed (Uip*Aip)	Reference (Uir*Air)
Vertical (above ground portions)		
Horizontal (above ground portions)		
UipAip is less than or equal to UirAir in conformance with NECB Article 3.3.1.2		
UipAip calculations provided on drawings or as appendix?		

Part 4 - Lighting

General

All prescriptive requirements in Division B, Section 4.2 met?	
All Trade-off requirements in Division B, Section 4.3 met?	
Interior and exterior installed Lighting Power included on the drawings?	

Interior and exterior lighting controls provided on drawings or as appendix?		
Interior Lighting (Prescriptive Path)		
Proposed building IILP (Installed Interior Lighting Power) (kW)		
Interior Lighting Power Allowance Method:		
Building Area Method:	ILPA (kW)	
	Gross lighted area (m ²)	
	Lighting power density (W/m ²)	
Space-by-Space Method:	ILPA (kW)	
Detailed breakdown of spaces, floor area, associated lighting power densities (W/m ²), and resulting ILPA provided on drawings or as appendix?		

Interior Lighting (Trade-off Path)	
IILE - Installed Interior Light Energy (kW·h/a) (Proposed)	
ILEA - Interior Lighting Energy Allowance (kW·h/a) (Reference)	
IILE and ILEA calculations provided on drawings or as appendix?	

Exterior Lighting (Trade-off and Prescriptive)							
	Installed Lighting (W)		Specific/General Allowance		Portion of Basic Allowance		Total Allowance (W)
Specific Lighting (T4.2.3.1-C)		≤		+		=	
General (T4.2.3.1-D)		≤		+		=	
Other (T4.2.3.1-E)		≤		+		=	
Total		≤		+		=	
Basic Site Allowance Check						≤	

Detailed breakdown of installed Lighting Power and controls provided on drawings or as appendix?		
--	--	--

Part 5 - Heating, Ventilation, and Air-Conditioning Systems

General	
All prescriptive requirements in Division B, Section 5.2 met?	

	Proposed		NECB Limit	
	Constant Volume	Variable Air Volume	Constant Volume	Variable Air Volume
Fan system power demand			≤ 1.6 W per L/s	≤ 2.65 W per L/s
Commercial kitchen design ventilation rate			<input type="checkbox"/> ≤ 1410 L/s	
			<input type="checkbox"/> DCV provided	

Ducts sealed, insulated, and protected in conformance with Subsection 5.2.2. Intakes and outlets conform with Subsection 5.2.4		
Economizer system required in conformance with Articles 5.2.2.7. Air economizer has been designed to Article 5.2.2.8 or Article 5.2.2.9.		
Insulation and protection of piping systems for HVAC systems in conformance with Subsection 5.2.5.		
Temperature controls been designed in conformance with Subsection 5.2.8.		
Type of ventilation system operation		
Percentage of outdoor air at design airflow conditions (%)		
Energy recovery system required		
Energy recovery system efficiency (%)		

Proposed HVAC Equipment							
Component or Equipment	Location or Identifier	Input	Capacity	Flow	Standard	Rating Conditions	Rated Performance

(include on mechanical drawings or as appendix)

Complete list of equipment, if not listed on mechanical drawings, is provided?		
--	--	--

Part 6 - Service Water Systems

General

All prescriptive requirements in Division B, Section 6.2 met?

	Proposed	NECB Limit
Shower heads (L/min)		≤ 7.6 L/min
Private Lavatories (L/min)		≤ 5.7 L/min
Public Lavatories (L/min)		≤ 1.9 L/min

Service water piping insulated in conformance with Subsection 6.2.3

Proposed Service Hot Water Heating Equipment

Component or Equipment	Location or Identifier	Input	Capacity (L)	Vt (L)	Standard	Rating Conditions	Rated Performance
<i>(include on mechanical drawings or as appendix)</i>							

Complete list of equipment, if not listed on mechanical drawings, is provided?

Part 7 - Power Systems

General

All prescriptive requirements in Division B, Section 7.2 met?

	Proposed	<input type="checkbox"/> NECB Limit
Load Carrying Capacity (kVa)		<input type="checkbox"/> ≤ 250 kVa
		Monitoring System Provided

Declaration of Coordinating NECB Design Professional

Building energy prescriptive and/or trade-off compliance meets NECB 2020

Name:	Date:
<i>(INSERT CONTACT INFORMATION HERE)</i>	<i>(SIGNATURE and STAMP, if applicable)</i>