



BUILDING PERMIT APPLICATION
 NATIONAL ENERGY CODE FOR BUILDINGS (NECB 2017)
 PRESCRIPTIVE REPORT

Project Information	
Project Address _____	BPA Number _____
Coordinating NECB Design Professional Name _____	

Prescriptive compliance requires drawings that detail items referred to in the NECB 2017 - Drawing Requirements.

Part 3 – Building Envelope

For Additions: Fenestration is being calculated for (select one):	<input type="checkbox"/> Addition only <input type="checkbox"/> Addition & existing combined		
General	Proposed	NECB Limit	
Gross wall area (m ²)		N/A	
Total window area (m ²)		N/A	
Total exterior door area (m ²)		N/A	
Gross roof area (m ²)		N/A	
Total skylight area (m ²)		< 0.02* (gross roof area)	
Exposed floor areas (m ²)		N/A	
		HDD @ 18°	HDD @ 15°
Overall Thermal Transmittance – U (W/(m ² ·K))	FDWR (%)	≤	≤
	Opaque walls (above ground)	≤	≤
	Opaque walls (in contact with ground)	≤ 0.284	≤ 0.284
	Roofs (above ground)	≤	≤
	Roofs (in contact with ground)	≤ 0.284	≤ 0.284
	Floors (above ground)	≤	≤
	Floors (in contact with ground)	≤ 0.757 for 1.2m	≤ 0.757 for 1.2m
Air Leakage (L/(s·m ²))	Opaque doors	≤ 1.9	≤ 1.9
	Fixed fenestration and curtain walls	≤ 0.20	
	Operable windows, skylights, and doors	≤ 0.5	
	Operable revolving and auto sliding doors	≤ 5	

Part 4 – Lighting

Proposed building IILP (Installed Interior Lighting Power) (kW) (not to exceed the ILPA below)	
Interior Lighting Power Method: (Select One Below)	
<input type="checkbox"/> ILPA (Interior Lighting Power Allowance - building area method)	Lighting power density (W/m ²)
OR	Gross lighted Area (m ²)
<input type="checkbox"/> ILPA (Interior Lighting Power Allowance – space-by-space method)*	Proposed ILPA building area method (kW)
* Provide a detailed line-by-line breakdown of spaces, their floor area (m ²), the associated lighting power densities (W/m ²) and the resulting lighting power allowances (kW)	Proposed ILPA space-by-space method (kW)
Proposed building exterior lighting power (kW) (to be less than exterior lighting basic site allowance below)	
Exterior lighting zone	
Exterior lighting basic site allowance (W)	
Interior lighting controls are designed in accordance with Subsection 4.2.2.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exterior lighting controls are designed in accordance with Subsection 4.2.4.	<input type="checkbox"/> Yes <input type="checkbox"/> No

*** Adjust to HDD requirements for climate zone where building is located.**



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Part 5 – Heating, Ventilating and Air-Conditioning Systems

	Proposed		NECB Limit	
	Constant Volume	Variable Air Volume	Constant Volume	Variable Air Volume
Fan system power demand (W/L/s))			≤ 1.6	≤ 2.65
Commercial kitchen design ventilation rate (L/s)			<input type="checkbox"/> < 1410 L/s <input type="checkbox"/> Demand control provided	
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. (circle one)	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Temperature controls been designed in conformance with Subsection 5.2.8.	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Type of ventilation system operation	<input type="checkbox"/> Continuous <input type="checkbox"/> Non-continuous			
Percentage of outdoor air at design airflow conditions (%)	_____			
Energy recovery system required	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Energy recovery system efficiency (%)	_____			

Please provide details of proposed HVAC equipment and component specifications for the building, using the table below:
 (Please note if more space is needed, please submit a separate list using the same format) Table 5.2.12.1.

Component or Equipment	Cooling or Heating Capacity, kW	Standard	Rating Conditions	Performance Rating

Part 6 – Service Water Systems

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

Please provide details of the proposed service water heating equipment specifications for the building, using the table below:
 (Please note if more space is needed, please submit a separate list using the same format) Table 6.2.2.1.

Component or Equipment	Input	Capacity (L)	V _t (L)	Input/V _t (W/L)	Standard	Rating Conditions	Rated Performance

Part 7 – Power Systems

	Proposed	NECB Limit
	Load carrying capacity (kVA)	

Please provide a description of each system, detailing its function, design details, and performance characteristics.

Compliance Confirmation

Building energy prescriptive compliance meets NECB 2017	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Drawings submitted are in conformance with NECB Drawings Requirements	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Declaration

Signature of Coordinating NECB Design Professional who has completed this form:

Signature _____

Date _____