

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

**Prescriptive compliance requires drawings that detail items referred to in the NECB Drawings Requirements handout.**

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 <sup>2</sup> )		N/A	
Total window area (m <sup>2</sup> )		N/A	
Total exterior door area (m <sup>2</sup> )		N/A	
Gross roof area (m <sup>2</sup> )		N/A	
Total skylight area (m <sup>2</sup> )		< 2% of gross roof area	
Exposed floor areas (m <sup>2</sup> )		N/A	
Overall Thermal Transmittance – U (W/(m <sup>2</sup> ·K))	FDWR (%)**	HDD @ 18°	HDD @ 15°
		≤ _____	≤ _____
Air Leakage (L/(s·m <sup>2</sup> ))	Opaque walls (above ground)	≤ 0.210	≤ 0.247
	Opaque walls (in contact with ground)	≤ 0.284	≤ 0.284
	Roofs (above ground)	≤ 0.138	≤ 0.156
	Roofs (in contact with ground)	≤ 0.284	≤ 0.284
	Floors (above ground)	≤ 0.162	≤ 0.183
	Floors (in contact with ground)	≤ 0.757 for 1.2 m	≤ 0.757 for 1.2 m
	Fixed fenestration and curtain walls	≤ 0.20	
	Operable windows, skylights, and doors	≤ 0.5	
	Operable revolving and auto sliding doors	≤ 5.0	

Part 4 – Lighting			
Proposed building IILP (Installed Interior Lighting Power) (kW) (not to exceed the ILPA below)			
<b>Interior Lighting Power Method: (Select One Below)</b>			
<input type="checkbox"/> ILPA (Interior Lighting Power Allowance - building area method)	Lighting power density (W/m <sup>2</sup> )		
<b>OR</b>	Gross lighted Area (m <sup>2</sup> )		
<input type="checkbox"/> ILPA (Interior Lighting Power Allowance – space-by-space method)*	Proposed ILPA building area method (kW)		
<small>*Provide a detailed line-by-line breakdown of spaces, their floor area (m<sup>2</sup>), the associated lighting power densities (W/m<sup>2</sup>) and the resulting lighting power allowances (kW)</small>	Proposed ILPA space-by-space method (kW)		
<b>Exterior Lighting Power:</b> (all values below to be in Watts)			
Specific Lighting Allowance _____ + Portion of Basic Site Allowance _____ =	Specific Total Exterior Allowance _____	≥	Specific Installed Lighting _____
<small>{Table 4.2.3.1-C} (If multiple specific applications used in design, provide a table showing all)</small>			
Sum of General Lighting Allowances _____ + Remaining Basic Allowance _____ =	General Total Exterior Allowance _____	≥	General Installed Lighting _____
<small>{Table 4.2.3.1-D}</small>			
Basic Site Allowance _____	<small>{Table 4.2.3.1-B}</small>		<b>Total Exterior Lighting Installed _____</b>
<small>(Sum of the portions of basic site allowance above are not to exceed this amount)</small>			
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
Interior and exterior installed Lighting Power displayed in table format on the drawings		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Interior and exterior lighting controls provided in a table format on the drawings		<input type="checkbox"/> Yes	<input type="checkbox"/> No

\*\* FDWR to be determined by designer based on HDD for project municipality. Refer to Municipality Data Information for the permitted HDD.

**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.	<input type="checkbox"/> Yes <input type="checkbox"/> No			
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 <sub>t</sub> (L)	Input/V <sub>t</sub> (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**

Effective thermal transmittance including the effects of thermal bridging has been calculated as per Article 3.1.1.7	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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