

Project Information	
Project Address/Land Location	Municipality
Owner Name/Project Name	Coordinating NECB Design Professional Name

**Note:** *The Energy Code Regulations* specifies the Energy Performance Tier from NECB Part 10 that must be met as the minimum level of performance. While 'Tier 1' is in force, the Prescriptive compliance path continues to be accepted by MuniCode Services Ltd. without the need for a formal 'Alternative Solution' (Tier 1 from Part 10 is equal to the prescriptive requirements of NECB). However, when higher Tiers are in force, this Prescriptive Report may only be used for alteration applications in order to demonstrate continued compliance for NECB Parts that had been previously modeled on prescriptive assumptions (see NECB Sentence 10.1.1.2.(2)).

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> )		< 0.02 x (gross roof area)	
Exposed floor areas (m <sup>2</sup> )		N/A	
		HDD @ 18°	HDD @ 15°
Overall Thermal Transmittance – U (W/(m <sup>2</sup> ·K))	FDWR (%)	≤	≤
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
Air Leakage (L/(s·m <sup>2</sup> ))	Floors (in contact with ground)	≤ 0.757 for 1.2m	≤ 0.757 for 1.2m
	Fixed fenestration and curtain walls	≤ 0.20	
	Operable windows, skylights, and doors	≤ 0.5	
	Overhead doors	≤ 2	
	Operable revolving and auto sliding doors	≤ 5	

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)
**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) & controls	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>			
Other Exterior Lighting Allowance _____ + Remaining Basic Allowance _____ =	Other Exterior Allowance _____	≥	Other Installed Lighting _____
<small>{Table 4.2.3.1-E}</small>			
Basic Site Allowance _____			<b>Total Exterior Lighting Installed</b> _____
<small>{Table 4.2.3.1-B}</small> <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

<b>Part 5 – Heating, Ventilating and Air-Conditioning Systems</b>				
	<b>Proposed</b>		<b>NECB Limit</b>	
	<b>Constant Volume</b>	<b>Variable Air Volume</b>	<b>Constant Volume</b>	<b>Variable Air Volume</b>
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	
Ducts sealed, insulated, and protected in conformance with Subsection 5.2.2. Intakes and outlets conform with Subsection 5.2.4.	<input type="checkbox"/> Yes <input type="checkbox"/> No			
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. <input type="checkbox"/> or Article 5.2.2.9. <input type="checkbox"/> (pick one)	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Insulation and protection of piping systems for HVAC systems in conformance with Subsection 5.2.5.	<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: <small>(Please note if more space is needed, please submit a separate list using the same format) Table 5.2.12.1</small>				
Component or Equipment	Cooling or Heating Capacity, kW	Standard	Rating Conditions	Performance Rating

<b>Part 6 – Service Water Systems</b>							
	<b>Proposed</b>		<b>NECB Limit</b>				
	<b>Constant Volume</b>	<b>Variable Air Volume</b>	<b>Constant Volume</b>	<b>Variable Air Volume</b>			
Shower heads (L/min)			≤ 7.6 L/min				
Lavatories (L/min)			≤ Private 5.7 L/min ≤ Public 1.9 L/min				
Service water piping insulated in conformance with Subsection 6.2.3	<input type="checkbox"/> Yes <input type="checkbox"/> No						
Please provide details of the proposed service water heating equipment specifications for the building, using the table below: <small>(Please note if more space is needed, please submit a separate list using the same format) Table 6.2.2.1.</small>							
Component or Equipment	Input	Capacity (L)	V <sub>i</sub> (L)	Input/V <sub>i</sub> (W/L)	Standard	Rating Conditions	Rated Performance

Part 7 – Power Systems		
	Proposed	NECB Limit
Load carrying capacity (kVA)		<input type="checkbox"/> < 250 kVA <input type="checkbox"/> Monitoring system provided

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
The building envelope meets air leakage requirements from Article 3.2.4.1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Building energy prescriptive compliance meets NECB 2020	<input type="checkbox"/> Yes	<input type="checkbox"/> No

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