

Project Information	
Project Address _____	Application Number (Office use only) _____
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 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 x (gross roof area)	
Exposed floor areas (m ²)		N/A	
		HDD @ 18°	HDD @ 15°
Overall Thermal Transmittance – U (W/(m ² ·K))	FDWR (%)*	≤ 0.293*	≤ 0.353*
	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
Air Leakage (L/(s·m ²))	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	
	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) & controls		Proposed ILPA space-by-space method (kW)	
Exterior Lighting Power: (all values below to be in Watts)			
Specific Lighting Allowance _____ {Table 4.2.3.1-C} (If multiple specific applications used in design, provide a table showing all)	+ Portion of Basic Site Allowance _____	= Specific Total Exterior Allowance _____	≥ Specific Installed Lighting _____
Sum of General Lighting Allowances _____ {Table 4.2.3.1-D}	+ Remaining Basic Allowance _____	= General Total Exterior Allowance _____	≥ General Installed Lighting _____
	Basic Site Allowance _____ {Table 4.2.3.1-B} (Sum of the portions of basic site allowance above are not to exceed this amount)		Total Exterior Lighting Installed _____
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 based on HDD for Regina.
Updated 10/10/2019

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. <input type="checkbox"/> or Article 5.2.2.9. <input type="checkbox"/> (pick 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

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