

R.M. of Pense No. 160

Box 190, Pense, Saskatchewan S0G 3W0
Phone: (306)345-2303; Fax: (306)345-2583
Email: rm160@sasktel.net, Website: www.pense160.com

R.M. of Pense No. 160, Saskatchewan

APPLICATION FOR BUILDING PERMIT

I hereby make application for a permit to _____ construct
_____ alter a building according to
_____ reconstruct
the information below and to the plans and documents attached to this application.

Civic address or location of work _____
Legal description - Lot _____ Block _____ Plan _____
Owner _____ **Address** _____
Telephone _____ **Fax** _____ **Email** _____
Designer _____ Address _____ Telephone _____
Contractor _____ Address _____ Telephone _____
Nature of work _____
Intended use of building _____
Size of building _____ Length _____ Width _____ Height _____
Number of storeys _____ Fire escapes _____
Number of stairways _____ Width of stairway _____
Number of exits _____ Width of exits _____

Foundation Soil Classification and Type

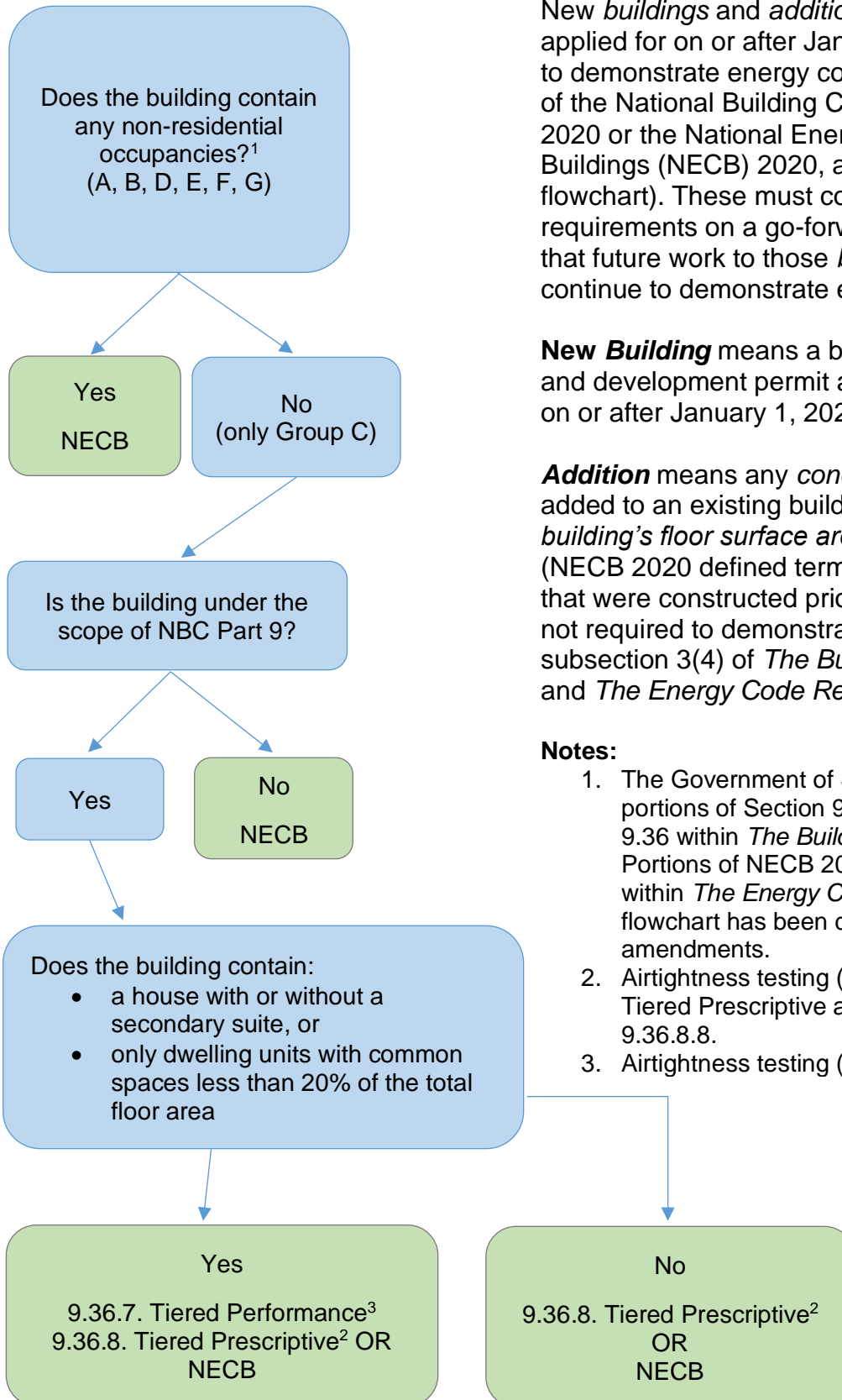
Footings _____	Material _____	Size _____
Foundations _____	Material _____	Size _____
Exterior Walls _____	Material _____	Size _____
Roof _____	Material _____	Size _____
Studs _____	Material _____	Spacing _____
Floor Joists _____	Material _____	Spacing _____
Girders _____	Material _____	Spacing _____
Rafters _____	Material _____	Spacing _____
Chimneys _____	Number _____	Size _____
Heating _____	Material _____	Thickness _____
	Lighting _____	Plumbing _____

Estimated value of construction (excluding site) \$ _____
Building area (area of largest storey) _____ square metres
Fee for building permit \$ _____

I hereby agree to comply with the Building Bylaw of the local authority and acknowledge that it is my responsibility to ensure compliance with the Building Bylaw of the local authority and with any other applicable bylaws, acts and regulations regardless of any plan review or inspections that may or may not be carried out by the local authority or its authorized representative.

Date

Signature of Owner or Owner's Agent



New *buildings* and *additions* where permits are applied for on or after January 1, 2024, are required to demonstrate energy compliance to Section 9.36. of the National Building Code of Canada (NBC) 2020 or the National Energy Code of Canada for Buildings (NECB) 2020, as applicable (see flowchart). These must continue to meet energy requirements on a go-forward basis. This means that future work to those *buildings* or *additions* must continue to demonstrate energy compliance.

New Building means a building for which a building and development permit application was submitted on or after January 1, 2024.

Addition means any *conditioned space* that is added to an existing building and that increases the *building's floor surface area* by more than 10 m² (NECB 2020 defined term). Additions to buildings that were constructed prior to January 1, 2019, are not required to demonstrate energy compliance (see subsection 3(4) of *The Building Code Regulations* and *The Energy Code Regulations*).

Notes:

1. The Government of Saskatchewan has amended portions of Section 9.36. of the NBC 2020 Section 9.36 within *The Building Code Regulations*. Portions of NECB 2020 have also been amended within *The Energy Code Regulations*. This flowchart has been developed to align with those amendments.
2. Airtightness testing (blower door) required when Tiered Prescriptive achieves points through Table 9.36.8.8.
3. Airtightness testing (blower door) required when

As of January 1, 2024, the National Energy Code for Buildings (NECB) 2020 Edition is enforced within Saskatchewan.

Application to Buildings

The Government of Saskatchewan has made amendments within *The Building Code Regulations* and *The Energy Code Regulations*. Therefore, NECB 2020 applies to the following:

- Buildings classified under Part 3 of the National Building Code (NBC)
- Part 9 buildings containing any non-residential occupancies
- Part 9 residential buildings that exceed the limitations of Section 9.36., as amended in *The Building Code Regulations* (Note: houses with or without secondary suites, as well as buildings containing only dwelling units with common space less than 20% of the total floor area are permitted to use NBC Section 9.36)
- Any building to which Section 9.36. of the NBC applies but the owner/applicant proposes to design and construct to the NECB.

NECB also applies to subsequent alterations and additions to buildings that were constructed under the requirements of the NECB.

The NECB does not apply to the following as the NECB had not been adopted prior to that date in Saskatchewan:

- buildings that were applied for prior to January 1, 2019
- *Additions* to buildings that were applied for prior to January 1, 2019.

New Building means a building for which a building and development permit was submitted on or after January 1, 2024.

Addition means any conditioned space that is added to an existing building and that increases the building's *floor surface area* by more than 10 m². (NECB defined term). See note above regarding NECB compliance for additions.

Examples:

- A horizontal addition made to a building (increasing the *floor surface area* and building footprint)
- A vertical addition made to a building, such as an additional floor (increasing the *floor surface area* even though the building footprint may remain unchanged).

Application to Existing Buildings

Buildings and *additions* that were applied for prior to January 1, 2019 are not required to address NECB compliance. However, new buildings and *additions* to buildings that were applied for on or after January 1, 2019 must continue to meet current NECB energy requirements on a go-forward basis.

Design Professional Involvement and Submission Requirements for NECB Compliance

* Existing Design Professional requirements remain for NBC

A building designed to the NECB shall have a design professional, an architect or engineer licensed to practice in the province of Saskatchewan, complete the design or design review of the building and building systems, as well as perform inspections of construction to ensure compliance with the design. Drawings indicating NECB energy compliance information are required to be signed, sealed and dated by a licensed design professional.

A building within the scope of Part 9 of the NBC designed under the NECB requires a design professional to complete the design or design review specific to NECB requirements.

Compliance Path ^{1, 2}	Design Professional Involvement	Documents to be sealed	Submission Requirements
Prescriptive	<p>Design professional can either seal for entire compliance or Parts of compliance. Example: Project may have single design professional sealing for entire NECB or project may have architect seal for Part 3, and mechanical engineer seal for Part 5 & 6, and electrical engineer seal for Part 4 & 7.</p> <p>Design professionals shall perform site inspections as required by <i>The Energy Code Regulations</i>.</p>	Drawings that detail NECB compliance.	<p><u>Permit Stage</u></p> <ul style="list-style-type: none"> • Project Summary • Prescriptive Report(s) • Commitment Letter for Field Review (Parts 3-7) <p><u>For Project Completion</u></p> <ul style="list-style-type: none"> • Letters Confirming Inspections were Performed (Parts 3-7)
Trade-off	<p>Design professional can either seal for entire compliance or Parts of compliance (similar to prescriptive). Any Parts that do not use trade-off will have to comply with prescriptive. Note: Parts 5, 6 & 7 does not permit trade-off.</p> <p>Design professionals shall perform site inspections as required by <i>The Energy Code Regulations</i>.</p>	Trade-off calculations and drawings that detail NECB compliance.	<p><u>Permit Stage</u></p> <ul style="list-style-type: none"> • Project Summary • Trade-off Report(s) • Prescriptive Report(s) • Sealed trade-off calculations • Commitment Letter for Field Review (Parts 3-7) <p><u>For Project Completion</u></p> <ul style="list-style-type: none"> • Letters Confirming Inspections were Performed (Parts 3-7)
Tiered Performance	<p>A single design professional has to take responsibility for the model and compliance with NECB. Design professional can seal for parts of compliance (similar to prescriptive).</p> <p>Design professionals shall perform site inspections as required by <i>The Energy Code Regulations</i>.</p>	Performance modelling report and drawings that details NECB compliance for construction.	<p><u>Permit Stage</u></p> <ul style="list-style-type: none"> • Project Summary • Performance Report • Sealed Energy Model Report • Commitment Letter for Field Review (Parts 3-7) <p><u>For Project Completion</u></p> <ul style="list-style-type: none"> • Letters Confirming Inspections were Performed (Parts 3-7)

Notes:

1. *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, Prescriptive and Trade-Off compliance paths continue 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).
2. Alterations and renovations shall demonstrate continued compliance to NECB for buildings to which NECB applies.

Phased Permit Application Submission Requirements for NECB Energy Compliance			
	Foundation	Shell/Above Grade	Final/Full
Tiered Performance¹	<ul style="list-style-type: none"> Project Summary Letter of Commitment (Part 3)² 	<ul style="list-style-type: none"> Project Summary Performance Report Sealed Model Report⁴ Letter of Commitment (Part 3)² 	<ul style="list-style-type: none"> Project Summary Performance Report⁵ Sealed Model Report⁵ Prescriptive and/or Trade-Off Reports (as needed)⁵ Letters of Commitment (Parts 3-7)
Prescriptive and/or Trade-off¹	<ul style="list-style-type: none"> Project Summary Prescriptive Report (Part 3) and/or Trade-off Report (Part 3)³ Letter of Commitment (Part 3)² 	<ul style="list-style-type: none"> Project Summary Prescriptive Report(s) and/or Trade-off Report(s)³ Sealed Trade-off Calculations (if used) Letter(s) of Commitment² 	<ul style="list-style-type: none"> Project Summary Prescriptive Reports (Parts 3-7) and/or Trade-off Reports (Parts 3-4) Sealed Trade-off Calculations (if used) Letters of Commitment (Parts 3-7)

Notes:

- 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, prescriptive and trade-off compliance paths continue to be accepted by the *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, prescriptive and/or trade-off may only be used 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)). For example, if tenant fit-up information was unknown during the 'Shell/Above Grade' phase (so NECB Parts, such as interior lighting, were modeled prescriptively), then during the 'Final/Full' phase those Part(s) may be shown to meet the prescriptive requirements that were previously used in the modeling.
- Letter of Commitment to only be submitted for the scope of work included in the specific phase.
- Trade-off is only available for above-ground assemblies and to allowable fenestration and door areas. Trade-off is not available for additions or semi-heated buildings (see NECB Article 3.3.1.1.)
- If a specific design is unknown, NECB Sentence 10.1.1.2.(2) provides guidance for modeling using prescriptive requirements.
- If the energy model requires updates to account for changes since the 'Shell/Above Grade Phase', an updated Performance Report and an updated sealed energy model report shall be provided. If the energy model does not require updates, the Performance Report and sealed energy model report are not required to be resubmitted. Prescriptive Reports and/or Trade-Off Reports (along with sealed trade-off calculations) for any NECB Parts that were previously modeled based on prescriptive assumptions shall be submitted during the 'Final' phase to demonstrate continued compliance to the sealed energy model report.

This document outlines project compliance with National Energy Code for Building (NECB). The project summary, including NECB contact information, and the compliance report for the chosen path are to be submitted as part of the building and development permit application for new buildings and additions that require NECB compliance.

Project Information				
Project Address/Land Location: _____				
Municipality: _____				
Coordinating NECB Design Professional Information (The coordinating NECB design professional will be responsible for coordinating the design work associated with energy compliance and the building and development permit process.)				
Name: _____				
Registered Business Name: _____				
Address: _____				
Unit Number	Street	City	Province	Postal Code
Email: _____ Phone/Cell # : _____				

Basic Building Information	
Building use: _____	
Type of construction:	<input type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Tenant Fit – Out
If addition, NECB compliance for:	<input type="checkbox"/> Addition only <input type="checkbox"/> Addition & existing
Building information:	<input type="checkbox"/> Heated <input type="checkbox"/> Semi – heated
Climate Zone for municipality: 7A (HDD below 18°C): (HDD below 15°C):	

Compliance Path Summary	
Please indicate the compliance path for each Part below. The chosen compliance path requires the associated reports to be completed and submitted.	
Note: <i>The Energy Code Regulations</i> 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, Prescriptive and Trade-Off compliance paths continue to be accepted by <i>MuniCode Services Ltd.</i> without the need for a formal 'Alternative Solution' (Tier 1 from Part 10 is equal to the prescriptive requirements of NECB).	
Part 3: Building Envelope:	<input type="checkbox"/> Prescriptive or <input type="checkbox"/> Trade-Off or <input type="checkbox"/> Energy Model
Part 4: Lighting:	<input type="checkbox"/> Prescriptive or <input type="checkbox"/> Trade-Off or <input type="checkbox"/> Energy Model
Part 5: Heating, Ventilation and Air Conditioning:	<input type="checkbox"/> Prescriptive or <input type="checkbox"/> Energy Model
Part 6: Service Water Heating Systems:	<input type="checkbox"/> Prescriptive or <input type="checkbox"/> Energy Model
Part 7: Electrical Power Systems and Motors:	<input type="checkbox"/> Prescriptive or <input type="checkbox"/> Energy Model
Part 10*: Tiered Performance Energy Model: <input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 3 <input type="checkbox"/> Tier 4	
<small>* Modeling to be in conformance with Part 8, but meeting the Energy Performance Tier from Part 10, as specified in <i>The Energy Code Regulations</i></small>	

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

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 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 (%)	≤	≤
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 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	
	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)	
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 _____ + 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 _____			Total Exterior Lighting Installed _____
<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

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	
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. 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

Part 6 – Service Water Systems							
	Proposed		NECB Limit				
	Constant Volume	Variable Air Volume	Constant Volume	Variable Air Volume			
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 _i (L)	Input/V _i (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

Project Information

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

Compliance Requirements

The Energy Code Regulations specifies the Tier from NECB Part 10 that must be met as the minimum level of performance. A performance model report is to be submitted as part of the building and development permit application (BPA). If construction on site differs significantly from the approved set of plans and model, a revised performance report and model report are required to be submitted for review.

- The Project Summary and Tiered Performance Report shall be accompanied by:
- Sealed energy model report that includes all relevant information as required by **NECB Division C – Article 2.2.2.8**

Software and Model Information

Software used _____	
Confirmation that software is ANSI/ASHRAE 140 compliant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Weather file _____	
Climate zone	7A

Part 3 Modeled as: <input type="checkbox"/> Per design or <input type="checkbox"/> Part 3 Prescriptive	Part 4 Modeled as: <input type="checkbox"/> Per design or <input type="checkbox"/> Part 4 Prescriptive	Part 5 Modeled as: <input type="checkbox"/> Per design or <input type="checkbox"/> Part 5 Prescriptive	Part 6 Modeled as: <input type="checkbox"/> Per design or <input type="checkbox"/> Part 6 Prescriptive	Part 7 Modeled as: <input type="checkbox"/> Per design or <input type="checkbox"/> Part 7 Prescriptive
---	---	---	---	---

Building Energy Summary

	Proposed	Reference
Annual Energy Consumption (MJ)		
Energy Performance Tier Achieved:	<input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2	<input type="checkbox"/> Tier 3 <input type="checkbox"/> Tier 4

Compliance Confirmation

Reference building in model has been updated to NECB 2020	<input type="checkbox"/> Yes <input type="checkbox"/> No
Building energy performance model is in compliance with Articles 8.4.1.2. & 10.1.2.1	<input type="checkbox"/> Yes <input type="checkbox"/> No
Building energy performance model corresponds to permit application drawing set	<input type="checkbox"/> Yes <input type="checkbox"/> No
Back-up HVAC and SWH systems have been designed to Section 5.2. and 6.2.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A – no back-up
Protection of insulation materials is in compliance with Article 3.2.1.1.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Air leakage is in compliance with Subsection 3.2.4.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Modeling of air leakage is in compliance with Articles 8.4.2.9, 8.4.3.3 and Sentence 8.4.4.3.(6)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Effective Thermal Transmittance (including thermal bridging calculations) are in compliance with Article 3.1.1.5 and 3.1.1.7	<input type="checkbox"/> Yes <input type="checkbox"/> No

Thermal Bridging - Design Professional to provide brief description of how thermal bridging was evaluated:

Declaration

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

Signature	Date
-----------	------

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 Trade-Off 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/trade-off requirements of NECB). However, when higher Tiers are in force, this Trade-Off 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 *Not applicable to additions or semi-heated buildings as per Sentence 3.3.1.1.(2)			
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)		N/A
	Exposed floor areas (m ²)		N/A
			HDD @ 18° HDD @ 15°
Overall Thermal Transmittance – U (W/(m ² -K))	FDWR (%)		N/A N/A
	Opaque walls (above ground)		N/A N/A
	Opaque walls (in contact with ground)		≤ 0.284 ≤ 0.284
	Roofs (above ground)		N/A N/A
	Roofs (in contact with ground)		≤ 0.284 ≤ 0.284
	Floors (above ground)		N/A N/A
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
	Overhead doors		≤ 2
	Operable revolving and auto sliding doors		≤ 5
		Proposed (U_{ip}*A_{ip})	Reference (U_{ir}*A_{ir})
	Vertical (above ground portions)		
	Horizontal (above ground portions)		
Compliance Confirmation			
	U _{ip} A _{ip} is less than or equal to U _{ir} A _{ir} in conformance with NECB Article 3.3.1.2	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	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	
	Have you supplied the sealed calculations determining the above values	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Part 4 – Lighting (Note: Trade-off applies to interior lighting and controls only. Exterior lighting fields provided to avoid filling out on Prescriptive Form)			
Prescriptive Exterior Lighting Power: (all values below to be in Watts)			
Specific Lighting Allowance _____ + Portion of Basic Site Allowance _____ = (Table 4.2.3.1-C) (If multiple specific applications used in design, provide a table showing all)		Specific Total Exterior ≥ Allowance _____	Specific Installed Lighting _____
Sum of General Lighting Allowances _____ + Remaining Basic Allowance _____ = (Table 4.2.3.1-D)		General Total Exterior ≥ Allowance _____	General Installed Lighting _____
Other Exterior Lighting Allowance _____ + Remaining Basic Allowance _____ = (Table 4.2.3.1-E)		Other Exterior ≥ Allowance _____	Other 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 _____
Exterior lighting controls are designed in accordance with Subsection 4.2.4.			<input type="checkbox"/> Yes <input type="checkbox"/> No
Exterior installed Lighting Power displayed in table format on the drawings			<input type="checkbox"/> Yes <input type="checkbox"/> No
Exterior lighting controls provided in a table format on the drawings			<input type="checkbox"/> Yes <input type="checkbox"/> No
Trade-Off Interior Lighting Power: (Proposed)		IILE - Installed Interior Light Energy (kW·h/a)	
		ILEA -Interior Lighting Energy Allowance (kW·h/a) (Reference)	
IILE is less than or equal to ILEA in conformance with NECB Article 4.3.1.3.			<input type="checkbox"/> Yes <input type="checkbox"/> No
Have you supplied the sealed calculations determining the above values			<input type="checkbox"/> Yes <input type="checkbox"/> No

Compliance Confirmation			
The building envelope meets air leakage requirements from Article 3.2.4.1		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Building energy trade-off 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

File Number _____

Date (YY MM DD) _____

To: _____

Municipality Name

Re: _____

Name of Project

Description of Project

Civic Address or Land Location of Project Site

Section A: Letter of Commitment

The undersigned hereby undertakes to be responsible for design and field reviews of the following components by confirming, through documentation, that any registered professionals delegated design and field reviews are competent to perform their responsibilities. **(initial items listed below that apply to this registered professional)**

National Building Code of Canada & National Plumbing Code of Canada

Architecture Structural Engineering Mechanical Engineering

Electrical Engineering Geotechnical Engineering Alternative solution

National Energy Code of Canada for Buildings

Part 3 Part 4 Part 5

Part 6 Part 7 Part 8

Other (specify)

The undersigned also undertakes to notify the authority having jurisdiction in writing as soon as possible if the undersigned's contract for field review is terminated at any time during construction.

I certify that I am an architect or engineer, as defined in *The Construction Codes Act*, and am licensed to practice in Saskatchewan.

(Affix Professional Seal Below)

Professional's Name & Discipline (Print)

Company Name (If the registered professional is a member of a firm)

Address (Mail, City/Town, Province, Postal Code)

Phone Email

Signature of Registered Professional Date

Section B: Field Review

I hereby give assurance that:

- a) I have fulfilled my obligations for field review as initialed in Section A:
 - i. Subsection 15(1) of *The Building Code Regulations*, and/or
 - ii. Section 6 of *The Energy Code Regulations*,
- b) Those components initialed in Section A substantially comply with the plans and supporting documents submitted in support of the application for the building permit; and as modified by subsequent site instruction and/or change orders; and
- c) I certify that I am an architect or engineer, as defined in *The Construction Codes Act*, and am licensed to practice in Saskatchewan.

(Affix Professional Seal Below)

Professional's Name & Discipline (Print)

Company Name (If the registered professional is a member of a firm)

Signature of Registered Professional Date

Comments or Occupancy limitations

Note: The above letters must be signed by a registered professional. An Architect or Engineer is defined as:

- a) a person who is registered or licensed to practice as a professional engineer under *The Engineering and Geoscience Professions Act*, or
- b) a person who is registered or licensed to practice as an architect under *The Architects Act*.

Municipality	ZONE	HDD 18	HDD 15	FDWR 18	FDWR 15	FDD	Frost Depth (m)	Frost Depth (in)	Meet Fire Response Time?
City of Estevan	7A	5380	4450	30.8	37.0	1448	2.35	93	Yes
City of Humboldt	7B	6000	5080	26.7	32.8	1841	2.85	112	Yes
City of Melfort	7B	6050	5130	26.3	32.5	1866	2.85	112	Yes
City of Melville	7A	5880	4970	27.5	33.5	1713	2.60	102	Yes
City of Moose Jaw	7A	5270	4390	31.5	37.4	1333	2.25	89	Yes
City of Warman	7A	5700	4800	28.7	34.7	1525	2.35	93	No
District of Lakeland	7B	6100	5180	26.0	32.1	1898	2.90	114	No
R.M. of Cana No. 214	7A	5840	4929	27.7	33.8	1714	2.60	102	No
R.M. of Corman Park No. 344	7A	5700	4800	28.7	34.7	1525	2.35	93	No - Some Areas Yes
R.M. of Coteau No. 255	7A	5311	4432	31.3	37.1	1379	2.30	91	No - Some Areas Yes
R.M. of Enniskillen No. 3	7A	5431	4542	30.5	36.4	1503	2.35	93	Yes
R.M. of Estevan No. 5	7A	5380	4450	30.8	37.0	1448	2.35	93	No
R.M. of Grassy Creek No. 78	6	4846	3967	34.4	40.2	1065	2.35	93	No
R.M. of Humboldt No. 370	7B	6000	5080	26.7	32.8	1841	2.85	112	No
R.M. of LeRoy No. 339	7A	5941	5025	27.1	33.2	1811	2.75	108	No
R.M. of Loreburn No. 254	7A	5311	4432	31.3	37.1	1379	2.30	91	No - Some Areas Yes
R.M. of Moose Jaw No. 161	7A	5270	4390	31.5	37.4	1333	2.25	89	No
R.M. of Moosomin No. 121	7A	5690	4490	28.7	36.7	1593	2.40	94	Yes
R.M. of Pense No. 160	7A	5440	4550	30.4	36.3	1453	2.35	93	No
R.M. of Prairie Rose No. 309	7A	5851	4941	27.7	33.7	1743	2.70	106	No
R.M. of Redburn No. 130	7A	5270	4390	31.5	37.4	1333	2.25	89	Yes
R.M. of Rosthern No. 403	7A	5857	4943	27.6	33.7	1714	2.60	102	No
R.M. of St. Andrews No. 287	7A	5620	4720	29.2	35.2	1607	2.40	94	No
R.M. of Swift Current No. 137	7A	5150	4270	32.3	38.2	1205	2.10	83	No
R.M. of Vanscoy No. 345	7A	5710	4630	28.6	35.8	1519	2.35	93	No
R.M. of Webb No. 138	6	4970	3990	33.5	40.1	1026	1.88	74	No
Town of Aberdeen	7A	5700	4800	28.7	34.7	1525	2.35	93	Yes
Town of Arborfield	7B	6166	5250	25.6	31.7	1993	3.05	120	Yes
Town of Biggar	7A	5720	4280	28.5	38.1	1597	2.40	94	Yes
Town of Bruno	7A	5914	4997	27.2	33.4	1797	2.75	108	Yes
Town of Carlyle	7A	5570	4676	29.5	35.5	1561	2.40	94	Yes
Town of Central Butte	7A	5335	4455	31.1	37.0	1390	2.30	91	Yes