



## **HOME DEVELOPMENT PERMIT AND BUILDING PERMIT APPLICATION PACKAGE**

## DEVELOPMENT AND BUILDING PERMIT APPLICATION



### **DOCUMENTS REQUIRED FOR NEW HOME APPLICATIONS**

AS PER CHECKLIST ATTACHED

1. Development Permit Application Form – *filled and signed by Applicant*
2. Building Permit Application Form – *filled and signed by Applicant*
3. Lot Development Plot Plan or Site Plan – *the plan should include; lot dimensions & shape; indicate North; project size & distance from property lines, new and existing buildings on property, easements, driveway and required setbacks.*
4. Engineered Drawings – *one (1) hard complete sets of plans and one (1) digital (pdf) copy stamped and sealed and signed by appropriate engineer are required by the municipality. Each set should be approved by the Developer when applicable and one (1) additional set is required by the Developer. Engineer Drawings should include, but not limited to;*
  - a) Architectural Plans – *must include floor plans, exterior elevations, cross section, exit locations, electrical plan, window and door type and size, etc.) (Elevation drawings must include the grade elevations as per subdivision plan).*
  - b) Engineer dated and stamped foundation designs – *must have a current original engineered stamp on the designs.*
  - c) Loading on concrete tele post or piles,
  - d) Wood and/or steel beam sizes,
  - e) Residential Mechanical Ventilation Design summary,
  - f) Fireplace/woodstove manufacturer's installation specifications, and
  - g) Engineered floor joists and roof truss layouts.
5. Residential Plan Review Checklist – *PBI Form filled and signed by the Applicant.*
6. Architectural form (Building materials and colors) – *signed and approved by the Developer when applicable.*
7. Business License Application – *must be filled and signed if applicable.*

## **BUILDING PERMIT FEES, DEPOSITS AND REFUNDS**



### **IMPORTANT INFORMATION FOR FOR NEW HOME APPLICATIONS**

1. Water Meter:
  - a) The Town installs water meters in all new homes.
  - b) A water meter charge of \$500.00 is required, upon application of a building permit.
  - c) Plumbers/homebuilders must call the Town to have the water turned on. There is a \$110.00 water fee added on the permit to cover water costs during construction.
  - d) The basement cannot be finished until the water meter is installed.
2. Occupancy Deposit (*See attached Exhibit "B" – Application for Occupancy Permit as per Bylaw 601-16*)

An occupancy deposit of \$1080.00 is to be paid upon application for a building permit. This deposit will be refunded to the Homebuilder/Contractor when the following criteria is met:

  - Homebuilder is to provide the Town with a Surveyor Certificate/Real Property Report.
  - Homebuilder is to provide the Town with a Finished Grade Level Certificate. The Town will not accept any grades that are over the proposed grade elevations.
  - An Occupancy Permit Application must be received by the Town three weeks prior to occupancy.
  - The final inspection and occupancy must be approved by the Town building inspector before occupancy. Move-in prior to obtaining an Occupancy Permit may result in forfeiture of the Occupancy Deposit.
  - Deficiencies must be corrected as listed on the final building inspection report. Once the deficiencies are corrected, an additional building inspection may be required, if stated on the final report. Any extra inspections will be deducted from the occupancy deposit or billed to the home owner when the occupancy deposit has been depleted.

## **BUILDING PERMIT FEES, DEPOSITS AND REFUNDS**



### **IMPORTANT INFORMATION FOR FOR NEW HOME APPLICATIONS**

#### **3. Landscaping Deposit**

A landscaping deposit is to be paid upon application for a Building Permit. This deposit is refunded to the homeowner when the requirements in the lot purchase agreement are adhered to. In order for the homeowner to receive the deposit back they must have landscaping and driveway completed.

In older subdivisions, the deposit is \$1000.00 and for Bower West Phase III and any new subdivisions coming forth the deposit is \$2000.00.

#### **4. Ditch Deposit**

A ditch maintenance deposit of \$400 is required upon application for a Building Permit. This deposit will be refunded to the owner when the ditch area in front of the property is seeded or sodded with proper slope and drainage considerations.

More information on landscaping requirements can be found at [www.whitecity.ca](http://www.whitecity.ca)

## OTHER IMPORTANT INFORMATION



1. The issuance of the Building and Development Permit does not release the applicant or owner from compliance with any other municipal or provincial bylaw, statute or regulation, including but not limited to the following:
    - a) Plumbing Permit from Regina Qu'Appelle Health District for any plumbing additions or alterations. \$100.00 for the first 10 fixtures and \$5.00 each for additional fixtures. Plumber is responsible for contacting the Plumbing inspector.
    - b) Electrical Permit from SaskPower Corporation for any electrical system additions or alterations.
    - c) Gas Permit from SaskEnergy for any gas system additions or alterations.
  2. As per Town Bylaws, weeping tile, garage floor drains, sewage pools, and sump pits must not be connected to the Town's sewer system. These must drain into the owner's property.
  3. Every property owner shall permit the Town of White City or its authorized representative, Professional Building Inspectors, to enter any building or premises at any reasonable time for the purpose of administering or enforcing the Building Bylaw or the Zoning Bylaw. The contractor and/or owner shall provide notice to the building inspector for an inspection, at least two days in advance for each of the following stages of construction.
    - a) Prior to pouring of foundation.
    - b) Upon completion of the framing, and prior to drywall installation.
    - c) Final completion of project to occupancy of the building.Final inspection must be completed prior to occupying the property. If no pre-occupancy inspection, the occupancy deposit will not be refunded to the contractor. An application for occupancy must be completed prior to occupancy. This form will be attached to the building permit package given to the homebuilder/contractor.
- For Inspections please call (306) 536-1799.
4. An agreement between the Town and the Builder/Contractors must be signed at the time of the issuance of the Building Permit (Exhibit "A" to Bylaw No. 601-16).



---

# DEVELOPMENT/BUILDING PERMIT APPLICATION CHECKLIST

---

---

## 1. DOCUMENTS INCLUDED WITH APPLICATION FOR NEW HOMES

---

- ☐ Development Permit Application Form - Filled and signed by Applicant
- ☐ Building Permit Application Form - Filled and signed by Applicant
- ☐ Lot Development Plot Plan with grade elevations and setbacks
- ☐ Sealed and Signed Engineer Drawings - Approved by Developer when applicable
- ☐ Residential - Plan Review Checklist - PBI Form - Filled and signed by Applicant
- ☐ Other Documents:

---

## 2. DOCUMENTS INCLUDED WITH APPLICATION FOR ACCESSORY/DISCRETIONARY USES

---

- ☐ Development Permit Application Form - Filled and signed by Applicant
- ☐ Building Permit Application Form - Filled and signed by Applicant
- ☐ Lot Development Plot Plan with grade elevations and setbacks
- ☐ Sealed and Signed Engineer Drawings - Approved by Developer when applicable
- ☐ Residential - Plan Review Checklist - PBI Form - Filled and signed by Applicant
- ☐ Other Documents:

---

## 3. DOCUMENTS INCLUDED WITH APPLICATION FOR COMMERCIAL DEVELOPMENT

---

- ☐ Development Permit Application Form - Filled and signed by Applicant
- ☐ Building Permit Application Form - Filled and signed by Applicant
- ☐ Lot Development Plot Plan with grade elevations and setbacks
- ☐ Sealed and Signed Engineer Drawings - Approved by Developer when applicable
- ☐ Commercial - Plan Review Checklist - PBI Form - Filled and signed by Applicant
- ☐ Other Documents:

---

## 4. OTHER APPLICATION:

---

- ☐ Development Permit Application Form - Filled and signed by Applicant
- ☐ Other Information and Documents:
- ☐ Other Information and Documents:



**"FORM A"**

**DEVELOPMENT PERMIT APPLICATION**

Permit# \_\_\_\_\_

**1. APPLICANT**

Name: \_\_\_\_\_

Address: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

**2. REGISTERED OWNER** (Same as Applicant )

Name: \_\_\_\_\_

Address: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

**3. PROPERTY – LEGAL DESCRIPTION** *Find Land Description*

Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Plan: \_\_\_\_\_

Civic Address: \_\_\_\_\_

**4. PROPOSED DEVELOPMENT**

NEW BUILDING      RENOVATION      ADDITION      BUILDING REMOVAL      DEMOLITION

REPAIR      BASEMENT DEVELOPMENT      CHANGE OF USE      OTHER: \_\_\_\_\_

DESCRIPTION OF PROPOSED WORK: \_\_\_\_\_

\_\_\_\_\_

**5. DATES/DIMENSIONS**

Start Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_ Floor Area of Building/Works: \_\_\_\_\_

Building Length: \_\_\_\_\_ Building Width: \_\_\_\_\_ Building Height: \_\_\_\_\_

**6. INFORMATION SUBMITTED**

☐ Site plan: Attach plan with dimensions to an approximate scale showing:

A) Dimensions of site and locations of existing or proposed building.

B) Location of streets, easements, driveways, parking areas, and other site development proposed.

C) Site, main floor and maximum height elevations.

☐ Building drawings: Attach with dimensions to an appropriate scale showing:

D) Room locations and uses.

E) Elevations showing sizes and locations of openings; total height of building.

F) Location and distances of any projections from the main walls of the buildings.

**"FORM A"**

**DEVELOPMENT PERMIT APPLICATION cont'd**

**7. DECLARATION OF THE APPLICANT**

I, \_\_\_\_\_ of \_\_\_\_\_ in the province of Saskatchewan,  
solemnly declare that the above statements contained within this application are true, and I make this  
solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and  
effect as if made under oath, and by virtue of the *Canada Evidence Act*.

\_\_\_\_\_  
Applicant's Signature

\_\_\_\_\_  
Date

**OFFICIAL USE**

1. Present Zoning: \_\_\_\_\_

2. Proposed Use: \_\_\_\_\_

Principal: \_\_\_\_\_ Accessory: \_\_\_\_\_

Use is: Permitted \_\_\_\_\_ Discretionary \_\_\_\_\_

3. Proposed Yards: Front: \_\_\_\_\_ Rear: \_\_\_\_\_ Side: \_\_\_\_\_ Side: \_\_\_\_\_

4. Application Status:

Meets Bylaw Requirements: \_\_\_\_\_ Does not meet Bylaw Requirements: \_\_\_\_\_

5. Other Regulations/Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Development Officer

\_\_\_\_\_  
Date





## BUILDING PERMIT APPLICATION

Permit# \_\_\_\_\_

### 1. APPLICANT

Name: \_\_\_\_\_

Address: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

### 2. REGISTERED OWNER (Same as Applicant )

Name: \_\_\_\_\_ Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

### 3. CONTRACTOR (Same as Applicant )

Name: \_\_\_\_\_ Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

### 4. ARCHITECT/DESIGNER (Same as Applicant )

Name: \_\_\_\_\_ Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

### 5. PROPERTY ADDRESS OR LOCATION OF WORK *Find Land Description*

Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Plan: \_\_\_\_\_

Civic Address: \_\_\_\_\_

### 6. TYPE OF WORK

NEW BUILDING      RENOVATION      ADDITION      BUILDING REMOVAL      DEMOLITION  
REPAIR      BASEMENT DEVELOPMENT      CHANGE OF USE      OTHER: \_\_\_\_\_

### 7. WORK DETAILS

Estimated Cost of Building/Works: \_\_\_\_\_ Floor Area of Building/Works: \_\_\_\_\_

Specify Work Covered by Applicant: \_\_\_\_\_

Building Length: \_\_\_\_\_ Building Width: \_\_\_\_\_ Building Height: \_\_\_\_\_

### 8. AUTHORIZATION

I hereby agree to comply with the bylaw of the municipality respecting building and acknowledge that it is my responsibility to ensure compliance with the Building Bylaw of the municipality and applicable Acts and regulations regardless of any review of drawings or inspections that may or may not be carried out by an inspector.

\_\_\_\_\_  
Applicant's Signature      Date

#### **OFFICIAL USE**

Permission is hereby granted to the applicant to \_\_\_\_\_ a building to be used as a \_\_\_\_\_ located at \_\_\_\_\_.

This permit expires 2 years from the date of issue if work is not commenced within that period or if work is suspended for a period of six months.

\_\_\_\_\_  
Development Officer      Date

## Residential Plan Review Checklist

Box 517 Stn. Main  
White City, SK S4L5B1  
Ph: 306-536-1799  
Fax: 306-781-2112  
office@pro-inspections.ca

### Project Information

<b>Municipality:</b> _____  <b>Job Site Address:</b> _____  <b>Owner's Name:</b> _____	<b>PBI Number:</b> 23- _____  <b>Project Type:</b> _____  <b>Cell Phone:</b> _____
--	--

### Residential Project Type

REQUIRED for a Plan Review															
Provide <b>designs and required documents in PDF format</b> as indicated by the unshaded boxes for the project (shaded box means not required).  A plan review must be completed by PBI <u>before</u> a building permit is issued.  <span style="color: red;">E-mail plans and documents in PDF format to the <u>municipal office</u>.</span>  <i>Requirements may vary for unique or larger projects. Please consult with PBI.</i>	New Dwelling / Housing Unit	RTM / Modular / Post-Move	Mobile (Manufactured) Home	Addition / Living Space / Sec. Suite	Renovation (structural or egress)	Basement Development	Deck (not covered or enclosed)	* Attached Garage (unheated)	* Det Garage / Acc. Bldg. (unheated)	* Pole Building (unheated)	Retaining Wall (if collapse affects a structure)	Foundation Replacement	Solar Panels (PV or Hot Water)	Storage only - no living space & unheated	
<b>Site Plan</b> (e.g. lot size & shape; indicate North; project size on lot, distance to all property lines, indicate what borders each property line, label streets, etc.)															
<b>Building Plans</b> (e.g. floor plans, exterior elevations, cross sections, structural details, window & door types, sizes & locations, stair configurations, material lists, specs, etc.)															
<b>Energy Code Forms</b> (applicable to compliance option, code edition & climate zone)															
<b>Building Designs stamped by an engineer</b> (project specific for <u>intended use</u> *)															
<b>Foundation Designs stamped by a structural engineer</b> (site specific)															
<b>Geotechnical Report</b> (if required by zoning bylaws or engineer recommendation)															
<b>PBI Specifications sheet</b> (plus all information requested in the sheets)															
<b>Information Below is Required BEFORE THE FRAMING INSPECTION</b>															
<b>Engineer-stamped roof truss designs &amp; layouts</b> (NBC compliant)															
<b>Engineer-stamped floor truss and/or LVL designs &amp; layouts</b>															
<b>Fireplace or Wood Stove Manufacturer Specifications</b>															
<b>Residential Mechanical Ventilation Design Summary</b>															

**\* Pole Building** (Please detail intended use. Note if vehicles will be repaired in the building, if building is for personal or business use, etc.)

<b>Signature:</b> _____	<b>Date:</b> _____
<p>* I declare that I am the owner of this property, and I will notify PBI of any email changes if applicable.</p> <p>* Please note that failure to receive an emailed report or related documents does not release the property owner (s) from their responsibility to comply in all regards with the building standards (Saskatchewan Construction Code Act, Municipal Building Bylaws, and National Building Code of Canada).</p>	

## Residential Permit Information Form (PIF)

Municipal Office Use Only	
Municipality: _____	Date: _____
Development Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No	PBI Number: 24- _____
Geotech Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	Permit Expiry Date: _____
Municipal Official: _____	Signature: _____

### Information Below To Be Completed By The Applicant

#### Contact & Email Consent

Building Owner: _____	Home Phone: _____
Mailing Address: _____	Cell Phone: _____
Email Address Owner: _____	
Contractor: _____	Business: _____
Contact Person: _____	Cell Phone: _____
Email Address Contractor: _____	
Signature: _____	Date: _____

\* I declare that I am the owner of this property, and I will notify PBI of any email changes if applicable.

\* By signing above, I consent to email delivery to all named above of PBI reports and related documents pertaining to this building permit.

\* Please note that failure to receive an emailed report or related documents does not release the property owner (s) from their responsibility to comply in all regards with the building standards (Saskatchewan Construction Code Act, Municipal Building Bylaws, and National Building Code of Canada).

**\* Note that owners should always include themselves on this form.**

#### Jobsite Location

Civic Address: _____	
Legal Land Location: _____	
or:	
Description: _____	
Subdivision / Landmark: _____	

#### Project Details

* Please fill in Sections 1a) plus 1b), or just Section 2)	
1a) <b>Single Family Dwelling</b> (Select One Permit Type That Best Describes the Dwelling)	
<input type="checkbox"/> New Home <input type="checkbox"/> RTM <input type="checkbox"/> Post-Move <input type="checkbox"/> Modular Home <input type="checkbox"/> Duplex Unit	
1b) <b>Select Below ALL that Pertain to this Permit AND are included with the plans submitted to PBI for Review:</b>	
<input type="checkbox"/> Basement Development <input type="checkbox"/> Deck <input type="checkbox"/> Attached Garage (Insulated) <input type="checkbox"/> Attached Garage (Not Insulated)	
2) <b>Residential Building Project</b> (Separate Permit is Required for Each Project type)	
<input type="checkbox"/> Addition <input type="checkbox"/> Attached Garage <input type="checkbox"/> Deck <input type="checkbox"/> Basement Development	
<input type="checkbox"/> Renovation <input type="checkbox"/> Roof Extension <input type="checkbox"/> Sunroom <input type="checkbox"/> Secondary Suite	
<input type="checkbox"/> Detached Garage <input type="checkbox"/> Accessory Building <input type="checkbox"/> Accessory Building w/Living <input type="checkbox"/> Pole Building	
<input type="checkbox"/> Boat House <input type="checkbox"/> New Foundation <input type="checkbox"/> Retaining Wall <input type="checkbox"/> Demolition	

This document must be submitted to PBI by the municipal office

# ENERGY EFFICIENCY COMPLIANCE FORM

Section 9.36. of the National Building Code of Canada (NBC)

Submit the design option section(s) for a new building, addition or major alteration to comply to NBC 9.36.

**All calculations must be completed by a competent person\* and be attached to this form to be considered complete and accepted for review.**

\* **Competent Person** means a person, firm or corporation who is knowledgeable and experienced in the application of NBC Section 9.36. for the design of buildings and/or building systems.

<b>Owner Name:</b>			<b>Permit Number (Office Use):</b>	
<b>Project Address:</b>				
<b>Occupancy Type:</b>		<b>Floor Area (m<sup>2</sup>)</b>		<b>Climate Zone</b> <b>7A</b>

<b>Design Option:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Prescriptive</b>	<b>Trade-Off</b>	<b>Performance</b>	
Complete Section 'A'	Complete Sections 'A & B'	Complete Section 'C'	

## Section A (Part 1): Prescriptive

HRV: ☐ Yes ☐ No

### Additional information that must be submitted for review:

- |  |   |
|--|---|
| <input type="checkbox"/> Window & door schedule    | <input type="checkbox"/> Air tightness drawings |
| <input type="checkbox"/> RSI assembly calculations | <input type="checkbox"/> CSA F280 calculations  |

Effective Thermal Resistance of Above Ground Opaque Building Assemblies (RSI)			
Assembly	w/ HRV	w/o HRV	Proposed
Ceilings below attics	8.67	10.43	
Cathedral / Flat roofs	5.02	5.02	
Wall joists	2.97	3.08	
Rim joists	2.97	3.08	
Floors over unheated spaces	5.02		
Floors within garage	4.86		
Thermal Characteristics of Fenestration, Doors and Skylights (U)			
Assembly	Efficiency		Proposed
Windows & Doors (provide window & door schedule)	Maximum U-Value	1.60 or	
	Minimum Energy Rating	≥ 25	
One door exception	Maximum U-Value	2.60	
Attic hatch	Minimum RSI <sub>eff</sub>	2.60	
Skylights	Maximum U-Value	2.70	
Effective Thermal Resistance of Below-Grade or In-Contact-With-Ground Opaque Building Assemblies (RSI) [ Frost line depth for zone 7A is 2.4 m (8 ft.) ]			
Assembly	w/ HRV	w/o HRV	Proposed
Foundation Walls	2.98	3.46	
Slab-On-Grade with Integral Footing	2.84	3.72	
Unheated Floor Below Frost Line	uninsulated	uninsulated	
Unheated Floor Above Frost Line	1.96	1.96	
Heated Floors	2.84	2.84	

## Contact information for person who completed Section A (Part 1 of 2):

<b>Firm Name:</b>		<b>Ph:</b>		<b>Date:</b>	
<b>Person Name:</b>		<b>Email:</b>			

## ENERGY EFFICIENCY COMPLIANCE FORM

Section 9.36. of the National Building Code of Canada (NBC)

### Section A (Part 2): Prescriptive

HVAC Equipment Performance Requirements				
Equipment	Capacity KW	Standard	Min. Efficiency	Proposed
Gas Fired Furnace (w or w/o A/C)	$\leq 65.9$	CSA P.2	AFUE $\geq 92\%$	
	$> 65.9 \text{ \& } \leq 117.23$	CAN/CSA-P.8	$E_t \geq 78.5\%$	
Electric Boiler	$\leq 88$	(1)		
Gas Fired Boiler	$\leq 88$	CSA P.2	AFUE $\geq 90\%$	
	$> 88 \text{ \& } \leq 117.23$	AHRI BTS	$E_t \geq 83\%$	
Other				
Heat <b>Loss</b> Calculations (BTU)	<input type="checkbox"/> Calculations were prepared in conformance with CSA F280 standards			
Heat <b>Gain</b> Calculations (BTU)	<input type="checkbox"/> Calculations were prepared in conformance with CSA F280 standards			
Nomenclature	AFUE= annual fuel utilization efficiency, $E_t$ = thermal efficiency			
Water Heater Performance Requirements				
Equipment	Capacity KW	Standard	Min. Efficiency	Proposed
Tank Storage (Electric)	$\leq 12 \text{ kW}$ (50 L to 270 L capacity)	CAN/CSA-C191	$SL \leq 35 + 0.20V$ (top inlet)	
			$SL \leq 40 + 0.20V$ (bottom inlet)	
	$\leq 12 \text{ kW}$ ( $>270 \text{ L}$ and $\leq 454 \text{ L}$ capacity)		$SL \leq (0.472V) - 38.5$ (top inlet)	
			$SL \leq (0.472V) - 33.5$ (bottom inlet)	
	$>12 \text{ kW}$ ( $>75 \text{ L}$ capacity)	ANSI Z21.10.3/CSA 4.3 & DOE 10 CFR, Part 431, Subpart G	$S = 0.30 + 27 / V_m$	
Tank Storage (Gas Fired)	$< 22 \text{ kW}$	CAN/CSA-P.3	$EF \geq 0.67 - 0.0005V$	
	$\geq 22 \text{ kW}$	ANSI Z21.10.3/CSA 4.3	$E_t \geq 80\%$ and standby loss $\leq$ rated Input/(800 + 16.57)( $\sqrt{V}$ )	
Tankless (Gas Fired)	$\leq 73.2 \text{ kW}$	CAN/CSA-P.7	$EF \geq 0.8$	
	$> 73.2 \text{ kW}$	ANSI Z21.10.3/CSA 4.3 and DOE 10CFR, Part 431, Subpart G	$E \geq 80\%$	
Tankless (Electric)	No standard addresses the performance efficiency; however, their efficiency typically approaches 100%			
Other				
Nomenclature	EF = energy factor in %/h, $E_t$ = thermal efficiency S = standby loss in %/h, SL = standby loss in W, V = volume $V_m$ = measured storage volume in US gallons			

(1) Must be equipped with automatic water temperature control. No standard addresses the performance efficiency; however, their efficiency typically approaches 100%.

### Contact information for person who completed Section A (Part 2 of 2):

Firm Name:		Ph:		Date:	
Person Name:		Email:			

## Section B: Trade Off

All calculations must be completed by a competent person and attached to this form in order to be considered complete and accepted for review. The location and extent of assemblies used in the calculation shall be clearly identified on the drawings by hatch or note.

**Additional information that must be submitted for review:**

- ☐ Section A (Parts 1 & 2) completed in their entirety.
- ☐ RSI assembly calculations indicating trade-off calculations.

- ☐ **Opaque to Opaque** – One or more above-ground opaque building envelope assemblies are permitted to be less than required, provided one or more above-ground opaque building envelope assemblies are increased to more than required.
  - Walls and joist type roofs must maintain minimum 55% of the required  $RSI_{eff}$
  - All other assemblies must maintain minimum 60% of the required  $RSI_{eff}$
  - The sum of the areas of all traded assemblies divided by their  $RSI_{eff}$  must be less than or equal to what it would have been if all assemblies had met NBC 9.36.2.6.
- ☐ **Transparent to Transparent** – One or more windows are permitted to be less than required, provided one or more windows are increased to be more than required.
  - The traded windows must have the same orientation.
  - The sum of the areas of all traded windows divided by their  $RSI_{eff}$  must be less than or equal to what it would have been if all windows had met NBC 9.36.2.7.
- ☐ **Opaque to Transparent** – This option is meant to allow reduced insulation for factory-constructed buildings with a low floor to ceiling height and a fenestration and door area to gross wall area ratio of 15% or less.

**Contact information for person who completed Section B:**

<b>Firm Name:</b>		<b>Ph:</b>		<b>Date:</b>	
<b>Person Name:</b>		<b>Email:</b>			

## ENERGY EFFICIENCY COMPLIANCE FORM

Section 9.36. of the National Building Code of Canada (NBC)

### Section C: Performance (Page 1 of 2)

This option is available only to houses with or without secondary suites, and buildings that contain only dwelling units with common spaces that are less than 20% of the building's total floor area.

**Full modelling summary reports for the reference and proposed house, completed by a competent person and generated from Hot 2000 v15 or an ANSI/ASHRAE 140 compliant software, is required to be submitted with this form to be considered complete and accepted for review.**

**Additional information that must be submitted for review:**

- ☐ Window & door schedule.
- ☐ Building assembly details (i.e. thoroughly complete "Proposed House - Building Assembly Details" section below).
- ☐ If less than 3.2 air exchanges are used in the proposed model, provide vapour barrier installation details.
- ☐ Full modelling summary reports for Reference Model and Proposed Model.

Input Parameters		Reference Model	Proposed Model
Airtightness (air exchanges per hour @ 50 Pa)			
Heat Loss / Heat Gain			
HRV efficiency			
Thermal mass (MJ/m <sup>20</sup> C)			
Ventilation rate (l/s)			
Fenestration and door to wall ratio (FDWR) – reference (%)			
Direction of front elevation (highlight or shade one in each column)		N NE E SE S SW W NW	N NE E SE S SW W NW
Area of windows and doors	Front elevation (m <sup>2</sup> )		
	Rear elevation (m <sup>2</sup> )		
	Left elevation (m <sup>2</sup> )		
	Right elevation (m <sup>2</sup> )		
	Total area of windows (m <sup>2</sup> )		
	Total area of opaque doors (m <sup>2</sup> )		
Energy use (GJ)			

Proposed House - Building Assembly Details:				
	Framing	Insulation	Furnace Size:	
Ceiling:	" o.c.	R -	Furnace Rating:	
Exterior Wall:	2" x @ " o.c.	R -	Water Heater:	
Tall Wall:	2" x @ " o.c.	R -	HRV:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Foundation Wall:	2" x @ " o.c.	R -	Air Conditioner:	
Floor Headers:		R -	Air Barrier (NBC):	
Cantilever/Bonus Rm:	2" x @ " o.c.	R -	Attic Hatch:	
Slab:	<input type="checkbox"/> None <input type="checkbox"/> Int <input type="checkbox"/> Ext / (1.2m)	thick -	Doors (U-Values):	
Cladding Type:			Windows: (List all U-Values)	
Comments:				

## ENERGY EFFICIENCY COMPLIANCE FORM

Section 9.36. of the National Building Code of Canada (NBC)

### Section C: Performance (Page 2 of 2)

<b>Software Information</b>			
<b>Software Title:</b>		<b>Version:</b>	
<b>Is software Hot 2000 v15 or ANSI/ASHRAE 140 compliant?</b>		<input type="checkbox"/> Yes	<input type="checkbox"/> No

<b>Contact information for person who completed Section C:</b>			
<b>Firm Name:</b>		<b>Name:</b>	
<b>Address:</b>		<b>Phone:</b>	
<b>Address:</b>		<b>Email:</b>	
<p><i>I hereby certify that the calculations submitted were prepared in full accordance with the operation procedures of the software and:</i></p> <p><input type="checkbox"/> Subsection 9.36.5. of NBC 2015,</p> <p><input type="checkbox"/> EnerGuide Rating System v15 w/ variance greater than or equal to 5% above the Reference Model (attach supporting documents)</p> <p><input type="checkbox"/> Alternative Solution – Specify: _____ (attach supporting documents)</p>			
<b>Date</b>		<b>Signature</b>	