

# Application for a Permit to Construct or Demolish

This form is authorized under subsection 8(1.1) of the *Building Code Act, 1992*

For use by Principal Authority				
Application number:		Permit number (if different):		
Date received:		Roll number:		
Application submitted to: _____ (Name of municipality, upper-tier municipality, board of health or conservation authority)				
A. Project information				
Building number, street name			Unit number	Lot/con.
Municipality	Postal code	Plan number/other description		
Project value est. \$		Area of work (m <sup>2</sup> )		
B. Purpose of application				
New construction	Addition to an existing building	Alteration/repair	Demolition	Conditional Permit
Proposed use of building		Current use of building		
Description of proposed work				
C. Applicant				
		Applicant is:    Owner or    Authorized agent of owner		
Last name	First name	Corporation or partnership		
Street address			Unit number	Lot/con.
Municipality	Postal code	Province	E-mail	
Telephone number	Fax		Cell number	
D. Owner (if different from applicant)				
Last name	First name	Corporation or partnership		
Street address			Unit number	Lot/con.
Municipality	Postal code	Province	E-mail	
Telephone number	Fax		Cell number	

<b>E. Builder (if known)</b>				
Last name		First name	Corporation or partnership (if applicable)	
Street address			Unit number	Lot/con.
Municipality		Postal code	Province	E-mail
Telephone number		Fax		Cell number
<b>F. New home construction licensing requirement</b>				
i. Is the proposed construction for a new home as defined in the <i>New Home Construction Licensing Act, 2017</i> ? If no, go to section G.			Yes	No
ii. Is a licence required under the <i>New Home Construction Licensing Act, 2017</i> ?			Yes	No
iii. If yes to (ii) provide licence number(s): _____				
<b>G. Required Schedules</b>				
i) Attach Schedule 1 for each individual who reviews and takes responsibility for design activities.				
ii) Attach Schedule 2 where application is to construct on-site, install or repair a sewage system.				
<b>H. Completeness and compliance with applicable law</b>				
i) This application meets all the requirements of clauses 1.3.1.3 (5) (a) to (d) of Division C of the Building Code (the application is made in the correct form and by the owner or authorized agent, all applicable fields have been completed on the application and required schedules, and all required schedules are submitted). Payment has been made of all fees that are required, under the applicable by-law, resolution or regulation made under clause 7(1)(c) of the <i>Building Code Act, 1992</i> , to be paid when the application is made.			Yes	No
ii) This application is accompanied by the plans and specifications prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> .			Yes	No
iii) This application is accompanied by the information and documents prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> which enable the chief building official to determine whether the proposed building, construction or demolition will contravene any applicable law.			Yes	No
iv) The proposed building, construction or demolition will not contravene any applicable law.			Yes	No
<b>I. Declaration of applicant</b>				
I _____ declare that: (print name)				
1. The information contained in this application, attached schedules, attached plans and specifications, and other attached documentation is true to the best of my knowledge.				
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.				
_____		_____		
Date		Signature of applicant		

Personal information contained in this form and schedules is collected under the authority of subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*. Questions about the collection of personal information may be addressed to: a) the Chief Building Official of the municipality or upper-tier municipality to which this application is being made, or, b) the inspector having the powers and duties of a chief building official in relation to sewage systems or plumbing for an upper-tier municipality, board of health or conservation authority to whom this application is made, or, c) Director, Building and Development Branch, Ministry of Municipal Affairs and Housing 777 Bay St., 12th Floor. Toronto, ON M7A 2J3 (416) 585-6666.

## Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

<b>A. Project Information</b>			
Building number, street name	Unit no.	Lot/con.	
Municipality	Postal code	Plan number/ other description	
<b>B. Individual who reviews and takes responsibility for design activities</b>			
Name	Firm		
Street address	Unit no.	Lot/con.	
Municipality	Postal code	Province	E-mail
Telephone number	Fax number		Cell number
<b>C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division C]</b>			
House	HVAC – House	Building Structural	
Small Buildings	Building Services	Plumbing – House	
Large Buildings	Detection, Lighting and Power	Plumbing – All Buildings	
Complex Buildings	Fire Protection	On-site Sewage Systems	
Description of designer's work			
<b>D. Declaration of Designer</b>			
<p>I _____ declare that (choose one as appropriate):</p> <p style="text-align: center;">(print name)</p> <p>I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4. of Division C, of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories.</p> <p>Individual BCIN: _____</p> <p>Firm BCIN: _____</p> <p>I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5. of Division C, of the Building Code.</p> <p>Individual BCIN: _____</p> <p>Basis for exemption from registration: _____</p> <p>The design work is exempt from the registration and qualification requirements of the Building Code.</p> <p>Basis for exemption from registration and qualification: _____</p> <p>I certify that:</p> <ol style="list-style-type: none"> <li>1. The information contained in this schedule is true to the best of my knowledge.</li> <li>2. I have submitted this application with the knowledge and consent of the firm.</li> </ol> <p style="text-align: center;">             _____              Date <span style="margin-left: 200px;">Signature of Designer</span> </p>			

**NOTE:**

1. For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) (c) of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
2. Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of practice, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise, or a certificate of authorization, issued by the Professional Engineers Ontario.

# Guide to the Prescriptive Energy Efficiency Design Summary Form

This form must accurately reflect the information contained on the drawings and specifications being submitted. Refer to Supplementary Standard SB-12 for details about building code compliance requirements. Further information about energy efficiency requirements for new buildings is available from the provincial building code website or the municipal building department.

The building code permits a house designer to use one of four energy efficiency compliance options:

1. Comply with the SB-12 Prescriptive design tables (this form is for this option (Option 1)),
2. Use the SB-12 Performance compliance method, and model the design against the prescriptive standards,
3. Design to Energy Star, or
4. Design to R2000 standards.

## COMPLETING THE FORM

### B. Compliance Options

Indicate the compliance option being used.

- SB-12 Prescriptive requires that the building conforms to a package of thermal insulation, window and mechanical system efficiency requirements set out in Subsection 3.1.1. of SB-12. Energy efficiency design modeling and testing of the building is not required under this option. Certain substitutions are permitted. In which case, the applicable airtightness targets in Table 3.1.1.4.A must be met.

### C. Project Design Conditions

*Climatic Zone:* The number of degree days for Ontario cities is contained in Supplementary Standard SB-1 *Windows, Skylights and Glass Doors:* If the ratio of the total gross area of windows, sidelights, skylights, glazing in doors and sliding glass doors to the total gross area of walls is more than 17%, higher efficiency glazing is required. If the ratio is more than 22%, the SB-12 Prescriptive option may not be used. The total area is the sum of all the structural rough openings. Some exceptions apply. Refer to 3.1.1.1. of SB-12 for further details.

*Fuel Source and Heating Equipment Efficiency:* The fuel source and efficiency of the proposed heating equipment must be specified in order to determine which SB-12 Prescriptive compliance package table applies.

*Other Building Conditions:* These construction conditions affect SB-12 Prescriptive compliance requirements.

### D. Building Specifications

*Thermal Insulation:* Indicate the RSI or R-value being proposed where they apply to the house design. Under the SB-12 Prescriptive option, alternative ICF wall insulation is permitted in certain conditions where other design elements meet higher standards. Refer to SB-12 for further details. Where effective insulation values are being used, the Authority Having Jurisdiction may require supporting documentation.

## BUILDING CODE REQUIREMENTS FOR AIRTIGHTNESS IN NEW HOUSES

All houses must comply with increased air barrier requirements in the building code. Notice of air barrier completion must be provided and an inspection conducted prior to it being covered.

The air leakage rates in Table 3.1.1.4.A are not requirements. This provision is a voluntary provision for when credits for airtightness are claimed. Credit for air tightness allows the designer to substitute the requirements of compliance packages as set out in Table 3.1.1.4.B or 3.1.1.4.C. Neither the air leakage test nor compliance with airtightness targets given in Table 3.1.1.4.A are required, unless credit for airtightness is claimed. Table 3.1.1.4.A provides airtightness targets in three different metrics; ACH, NLA, NLR. Any one of them can be used. OBC Reference Default Air Leakage Rates (Table 3.1.1.4.A)

Building Type	Airtightness Targets				
	ACH @ 50 Pa	NLA @ 10 Pa		NLR @ 50 Pa	
Detached dwelling	2.5	1.26 cm <sup>2</sup> /m <sup>2</sup>	1.81 in <sup>2</sup> /100ft <sup>2</sup>	0.93 L/s/m <sup>2</sup>	0.18 cfm50/ft <sup>2</sup>
Attached dwelling	3.0	2.12 cm <sup>2</sup> /m <sup>2</sup>	3.06 in <sup>2</sup> /100ft <sup>2</sup>	1.32 L/s/m <sup>2</sup>	0.26 cfm50/ft <sup>2</sup>

The building code requires that a blower door test be conducted to verify the air tightness of the house during construction if the SB-12 Prescriptive option with airtightness credit being applied. Results of the airtightness test may need to be submitted to the Authority Having Jurisdiction. Airtightness of less than 2.5 ACH @ 50 Pa (or NLA or NLR equivalent) in the case of detached houses, or 3.0 ACH @ 50 Pa (or NLA or NLR equivalent) in the case of attached houses is necessary to meet the required energy efficiency standard.

### E. House Designer

The building code requires designers providing information about whether a building complies with the building code to have a BCIN. Exemptions apply to architects, engineers and owners designing their own house.

# Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

This form is used by a designer to demonstrate that the energy efficiency design of a house complies with the building code using the prescriptive method described in Subsection 3.1.1. of SB-12. This form is applicable where the ratio of gross area of windows/sidelights/skylights/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

For use by Principal Authority	
Application No.:	Model/Certification Number

## A. Project Information

Building number, street name	Unit number	Lot/Con
Municipality	Postal code	Reg. Plan number / other description

## B. Prescriptive Compliance [indicate the building code compliance package being employed in this house design]

SB-12 Prescriptive (input design package): Package: \_\_\_\_\_ Table: \_\_\_\_\_

## C. Project Design Conditions

Climatic Zone (SB-1):	Heating Equipment Efficiency	Space Heating Fuel Source
<input type="checkbox"/> Zone 1 (< 5000 degree days)	<input type="checkbox"/> ≥ 92% AFUE	<input type="checkbox"/> Gas <input type="checkbox"/> Propane <input type="checkbox"/> Solid Fuel
<input type="checkbox"/> Zone 2 (≥ 5000 degree days)	<input type="checkbox"/> ≥ 84% < 92% AFUE	<input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Earth Energy
Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area		Other Building Characteristics
Area of walls = _____ m <sup>2</sup> or _____ ft <sup>2</sup>	W, S & G % = _____	<input type="checkbox"/> Log/Post&Beam <input type="checkbox"/> ICF Above Grade <input type="checkbox"/> ICF Basement <input type="checkbox"/> Slab-on-ground <input type="checkbox"/> Walkout Basement <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Combo Unit <input type="checkbox"/> Air Sourced Heat Pump (ASHP) <input type="checkbox"/> Ground Sourced Heat Pump (GSHP)
Area of W, S & G = _____ m <sup>2</sup> or _____ ft <sup>2</sup>	Utilize window averaging: <input type="checkbox"/> Yes <input type="checkbox"/> No	

## D. Building Specifications [provide values and ratings of the energy efficiency components proposed]

Energy Efficiency Substitutions				
<input type="checkbox"/> ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) & (6))				
<input type="checkbox"/> Combined space heating and domestic water heating systems (3.1.1.2.(7) / 3.1.1.3.(7))				
<input type="checkbox"/> Airtightness substitution(s)  <small>Airtightness test required (Refer to Design Guide Attached)</small>	<input type="checkbox"/> Table 3.1.1.4.B Required: _____ Permitted Substitution: _____			
	<input type="checkbox"/> Table 3.1.1.4.C Required: _____ Permitted Substitution: _____			
	Required: _____ Permitted Substitution: _____			
Building Component	Minimum RSI / R values or Maximum U-Value <sup>(1)</sup>		Building Component	Efficiency Ratings
<b>Thermal Insulation</b>	Nominal	Effective	<b>Windows &amp; Doors</b> Provide U-Value <sup>(1)</sup> or ER rating	
Ceiling with Attic Space			Windows/Sliding Glass Doors	
Ceiling without Attic Space			Skylights/Glazed Roofs	
Exposed Floor			<b>Mechanicals</b>	
Walls Above Grade			Heating Equip.(AFUE)	
Basement Walls			HRV Efficiency (SRE% at 0° C)	
Slab (all >600mm below grade)			DHW Heater (EF)	
Slab (edge only ≤600mm below grade)			DWHR (CSA B55.1 (min. 42% efficiency))	# Showers _____
Slab (all ≤600mm below grade, or heated)			Combined Heating System	

(1) U value to be provided in either W/(m<sup>2</sup>.K) or Btu/(h.ft<sup>2</sup>.F) but not both.

## E. Designer(s) [name(s) & BCIN(s), if applicable, of person(s) providing information herein to substantiate that design meets the building code]

Qualified Designer Declaration of designer to have reviewed and take responsibility for the design work.		
Name	BCIN	Signature

# Guide to the Energy Efficiency Design Summary Form for Performance & Other Acceptable Compliance Methods

## COMPLETING THE FORM

### B. Compliance Options

Indicate the compliance option being used.

- SB-12 Performance refers to the method of compliance in Subsection 3.1.2. of SB-12. Using this approach the designer must use recognized energy simulation software (such as HOT2000 V10.51 or newer), and submit documents which show that the annual energy use of the proposed building is equal to or less than a prescriptive (referenced) building package.
- ENERGY STAR houses must be designed to ENERGY STAR requirements and verified on completion by a licensed energy evaluator and/or service organization. The ENERGY STAR BOP form must be submitted with the permit documents.
- R-2000 houses must be designed to the R-2000 Standard and verified on completion by a licensed energy evaluator and/or service organization. The HOT2000 report must be submitted with the permit documents.

### C. Project Design Conditions

*Climatic Zone:* The number of degree days for Ontario cities is contained in Supplementary Standard SB-1

*Windows, Skylights and Glass Doors:* If the ratio of the total gross area of windows, sidelights, skylights, glazing in doors and sliding glass doors to the total gross area of walls is more than 17%, higher efficiency glazing is required. The total area is the sum of all the structural rough openings. Some exceptions apply. Refer to 3.1.1.1. of SB-12 for further details.

*Fuel Source and Heating Equipment Efficiency:* The fuel source and efficiency of the proposed heating equipment must be specified in order to determine which SB-12 Prescriptive compliance package table applies.

*Other Building Conditions:* These construction conditions affect SB-12 Prescriptive compliance requirements.

### D. Building Specifications

*Thermal Insulation:* Indicate the RSI or R-value being proposed where they apply to the house design. Refer to SB-12 for further details.

### E. Performance Design Summary

A summary of the performance design applicable only to the SB-12 Performance option.

### F. ENERGY STAR or R-2000 Performance Method

Design to ENERGY STAR or R-2000 Standards.

### G. House Designer

The building code requires designers providing information about whether a building complies with the building code to have a BCIN. Exemptions apply to architects, engineers and owners designing their own house.

### BUILDING CODE REQUIREMENTS FOR AIRTIGHTNESS IN NEW HOUSES

All houses must comply with increased air barrier requirements in the building code. Notice of air barrier completion must be provided and an inspection conducted prior to it being covered.

The air leakage rates in Table 3.1.2.1. are not requirements. The Table is not intended to require or suggest that the building meet those airtightness targets. They are provided only as default or reference values for the purpose of annual energy simulations, should the builder/owner decide to perform such simulations. They are given in three different metrics; ACH, NLA, NLR. Any one of them can be used. They can be used as a default values for both a reference and proposed building or, where an air leakage test is conducted and credit for airtightness is claimed, the airtightness values in Table 3.1.2.1. can be used for the reference building and the actual leakage rates obtained from the air leakage test can be used as inputs for the proposed building.

OBC Reference Default Air Leakage Rates (Table 3.1.2.1.)

Detached dwelling	3.0 ACH50	NLA 2.12 cm <sup>2</sup> /m <sup>2</sup>	NLR 1.32 L/s/m <sup>2</sup>
Attached dwelling	3.5 ACH50	NLA 2.27 cm <sup>2</sup> /m <sup>2</sup>	NLR 1.44 L/s/m <sup>2</sup>

The building code requires that a blower door test be conducted to verify the air tightness of the house during construction if the SB-12 Performance option is used and an air tightness of less than 3.0 ACH @ 50 Pa (or NLA or NLR equivalent) in the case of detached houses, or 3.5 ACH @ 50 Pa (or NLA or NLR equivalent) in the case of attached houses is necessary to meet the required energy efficiency standard.

### ENERGY EFFICIENCY LABELING FOR NEW HOUSES

ENERGY STAR and R-2000 may issue labels for new homes constructed under their energy efficiency programs. The building code does not currently regulate or require new home labeling.

# Energy Efficiency Design Summary: Performance & Other Acceptable Compliance Methods

(Building Code Part 9, Residential)

This form is used by a designer to demonstrate that the energy efficiency design of a house complies with the building code using the Performance or Other Acceptable Compliance Methods described in Subsections 3.1.2. and 3.1.3. of SB-12,

This form must accurately reflect the information contained on the drawings and specifications being submitted. Refer to Supplementary Standard SB-12 for details about building code compliance requirements. Further information about energy efficiency requirements for new buildings is available from the provincial building code website or the municipal building department.

For use by Principal Authority	
Application No:	Model/Certification Number

## A. Project Information

Building number, street name	Unit number	Lot/Con
Municipality	Postal code	Reg. Plan number / other description

## B. Compliance Option [indicate the building code compliance option being employed in this house design]

<input type="checkbox"/> <i>SB-12 Performance</i> * [SB-12 - 3.1.2.]	* Attach energy performance results using an approved software (see guide)
<input type="checkbox"/> <i>ENERGY STAR</i> ®* [SB-12 - 3.1.3.]	* Attach Builder Option Package [BOP] form
<input type="checkbox"/> <i>R-2000</i> ®* [SB-12 - 3.1.3.]	* Attach R-2000 HOT2000 Report

## C. Project Building Design Conditions

Climatic Zone (SB-1):	Heating Equipment Efficiency	Space Heating Fuel Source
<input type="checkbox"/> Zone 1 (< 5000 degree days)	<input type="checkbox"/> ≥ 92% AFUE	<input type="checkbox"/> Gas <input type="checkbox"/> Propane <input type="checkbox"/> Solid Fuel
<input type="checkbox"/> Zone 2 (≥ 5000 degree days)	<input type="checkbox"/> ≥ 84% < 92% AFUE	<input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Earth Energy
Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area		Other Building Characteristics
Area of walls = _____m <sup>2</sup> or _____ft <sup>2</sup>	W, S & G % = _____	<input type="checkbox"/> Log/Post&Beam <input type="checkbox"/> ICF Above Grade <input type="checkbox"/> ICF Basement
Area of W, S & G = _____m <sup>2</sup> or _____ft <sup>2</sup>		<input type="checkbox"/> Slab-on-ground <input type="checkbox"/> Walkout Basement <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Combo Unit <input type="checkbox"/> Air Source Heat Pump (ASHP) <input type="checkbox"/> Ground Source Heat Pump (GSHP)
SB-12 Performance Reference Building Design Package indicating the prescriptive package to be compared for compliance		
SB-12 Referenced Building Package (input design package): Package: _____ Table: _____		

## D. Building Specifications [provide values and ratings of the energy efficiency components proposed, or attach ENERGY STAR BOP form]

Building Component	Minimum RSI / R values or Maximum U-Value <sup>(1)</sup>		Building Component	Efficiency Ratings
<b>Thermal Insulation</b>	Nominal	Effective	<b>Windows &amp; Doors</b> Provide U-Value <sup>(1)</sup> or ER rating	
Ceiling with Attic Space			Windows/Sliding Glass Doors	
Ceiling without Attic Space			Skylights/Glazed Roofs	
Exposed Floor			<b>Mechanicals</b>	
Walls Above Grade			Heating Equip.(AFUE)	
Basement Walls			HRV Efficiency (SRE% at 0° C)	
Slab (all >600mm below grade)			DHW Heater (EF)	
Slab (edge only ≤600mm below grade)			DWHR (CSA B55.1 (min. 42% efficiency))	# Showers _____
Slab (all ≤600mm below grade, or heated)			Combined Space / Dom. Water Heating	

(1) U value to be provided in either W/(m<sup>2</sup>·K) or Btu/(h·ft<sup>2</sup>·F) but not both.

**E. Performance Design Verification** [Subsection 3.1.2. Performance Compliance]

The annual energy consumption using Subsection 3.1.1. SB-12 Reference Building Package is \_\_\_\_\_ GJ (1 GJ =1000MJ)

The annual energy consumption of this house as designed is \_\_\_\_\_ GJ

The software used to simulate the annual energy use of the building is: \_\_\_\_\_

The building is being designed using an air tightness baseline of:

- OBC reference ACH, NLA or NLR default values (no depressurization test required)
- Targeted ACH, NLA or NLR. Depressurization test to meet \_\_\_\_\_ ACH50 or NLR or NLA
- Reduction of overall thermal performance of the proposed building envelope is not more than 25% of the envelope of the compliance package it is compared against (3.1.2.1.(6)).
- Standard Operating Conditions Applied (A-3.1.2.1 - 4.6.2)
- Reduced Operating Conditions for Zero-rated homes Applied (A-3.1.2.1 - 4.6.2.5)
- On Site Renewable(s): Solar: \_\_\_\_\_  
Other Types: \_\_\_\_\_

**F. ENERGY STAR or R-2000 Performance Design Verification** [Subsection 3.1.3. Other Acceptable Compliance Methods]

- The NRCAN "ENERGY STAR for New Homes Standard Version 12.6" technical requirements, applied to this building design result in the building performance meeting or exceeding the prescriptive performance requirements of the Supplementary Standard SB12 (A-3.1.3.1).
- The NRCAN, "2012 R-2000 Standard" technical requirements, applied to this building design result in the building performance meeting or exceeding the prescriptive performance requirements of the Supplementary Standard SB12 (A-3.1.3.1).

**Performance Energy Modeling Professional**

Energy Evaluator/Advisor/Rater/CEM Name and company:

Accreditation or Evaluator/Advisor/Rater License #

**ENERGY STAR or R-2000**

Energy Evaluator/Advisor/Rater/ Name and company:

Evaluator/Advisor/Rater License #

**G. Designer(s)** [name(s) & BCIN(s), if applicable, of person(s) providing information herein to substantiate that design meets the building code]

**Qualified Designer:** Declaration of designer to have reviewed and take responsibility for the design work.

Name	BCIN	Signature

**RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY**  
for design and performance of residential ventilation systems to OBC 2012 Div. B 9.32

RESET

<b>LOCATION</b>	<b>1 Location</b> Township: _____ Civic Address: _____	<b>3 TVC System</b> <input type="checkbox"/> HRV <input type="checkbox"/> Central Exhaust <input type="checkbox"/> Multiple Fans	<b>TVC SYSTEM</b>
<b>BUILDER</b>	<b>2 Builder</b> Name: _____ Address: _____ City: _____ Postal Code: _____ Ph: _____ Fax: _____	<b>8 Principal Exhaust Fan Capacity (PEF)</b> Master Bedroom @ 31.8CFM(15L/S) _____ CFM Other Bedrooms @ 15.9CFM(7.5L/S) _____ CFM Total _____ CFM	<b>PRINCIPAL EXHAUST FAN CAPACITY</b>
<b>DESIGNER</b>	<b>5 Designer</b> Name: _____ Address: _____ Postal Code: _____ City: _____ Ph: _____ Fax: _____ Firm BCIN: _____ Designer BCIN: _____ HRAI#: _____	<b>9 Principal Exhaust Fan</b> <b>Fan 1</b> Location _____ Manufacturer _____ Model _____ <input type="checkbox"/> HVI rated Design Airflow High _____ CFM Low _____ CFM Sones _____ If Using HRV/ERV: _____ % Sensible Efficiency @ 0°C _____ watts _____ % Sensible Efficiency @ -25°C _____ watts	<b>PRINCIPAL EXHAUST FAN</b>
<b>HEATING SYSTEM</b>	<b>4 Heating Systems</b> <input type="checkbox"/> Forced Air <input type="checkbox"/> Non Forced Air <input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Gas <input type="checkbox"/> Other	<b>10 Supplemental Exhaust Fan Capacity (SEF)</b> Total Ventilation Capacity _____ CFM Less Principle Ventilation Capacity _____ CFM Required Supplemental Ventilation Capacity _____ CFM	<b>SUPPLEMENTAL EXHAUST CAPACITY</b>
<b>HEATING SYSTEM COMBUSTION APPLIANCES</b>	<b>5 Combustion Appliances</b> <input type="checkbox"/> a) Direct Vent <input type="checkbox"/> b) Induced Draft <input type="checkbox"/> c) Natural Draft <input type="checkbox"/> d) Solid Fuel Appliances <input type="checkbox"/> e) No combustion appliances	<b>12 Additional Equipment</b> <b>Fan 2</b> Location _____ Sones _____ Manufacturer/Model _____ <input type="checkbox"/> TVC Design airflow _____ CFM	<b>ADDITIONAL EXHAUST EQUIPMENT</b>
<b>HOUSE TYPE</b>	<b>6 Type of House</b> <input type="checkbox"/> Type 1 a) or b) type appliances only <input type="checkbox"/> Type 2 a) or b) type appliances with a d) type appliance <input type="checkbox"/> Type 3 any type c) appliance = part 6 design <input type="checkbox"/> Type 4 electric space heat	<b>Fan 3</b> Location _____ Sones _____ Manufacturer/Model _____ <input type="checkbox"/> TVC Design airflow _____ CFM	<b>ADDITIONAL EXHAUST EQUIPMENT</b>
<b>SYSTEM DESIGN OPTION</b>	<b>7 System Design Option</b> <input type="checkbox"/> Exhaust only forced air system/coupled <input type="checkbox"/> HRV with extended exhaust or simplified coupled <input type="checkbox"/> HRV full ducting/not coupled to forced air <input type="checkbox"/> Part 6 design	<b>Fan 4</b> Location _____ Sones _____ Manufacturer/Model _____ <input type="checkbox"/> TVC Design airflow _____ CFM	<b>ADDITIONAL EXHAUST EQUIPMENT</b>
<b>TOTAL VENTILATION CAPACITY (TVC)</b>	<b>8 TVC Capacity OBC 9.32.3.3</b> Bsmt & Master bedroom @ 21.2 CFM (10 L/S) _____ CFM Other Bedrooms @ 10.6 CFM (5 L/S) _____ CFM Bathrooms & Kitchen @ 10.6 CFM (5 L/S) _____ CFM Other Habitable Rooms @ 10.6 CFM (5 L/S) _____ CFM Total Ventilation Capacity (TVC) _____ CFM	<b>13 Designer Consent</b> I, _____ have reviewed and take responsibility for the design work described in this document and I am qualified in the appropriate categories. Date:     /     / Signature: _____	<b>DESIGNER CONSENT</b>

Conversion Note: 1 L/S = 2.118 CFM



**OWNER COMMITMENT TO HAVE GENERAL REVIEW UNDERTAKEN  
BY ARCHITECTS AND/OR PROFESSIONAL ENGINEERS**

**PART A – TO BE COMPLETED BY OWNER**

Project Description:

Permit Application No.

Address of Project:

Municipality:

**WHEREAS the Building Code Act prohibits the construction or demolition of a building if a permit authorizing the construction or demolition has not been issued, and  
WHEREAS the Building Code requires that the construction or demolition of the project indicated have general review undertaken by architects and/or professional engineers that are licensed to practice in Ontario, and  
WHEREAS general review shall not commence until a permit is issued.**

NOW THEREFORE the Owner, who intends to construct or demolish or have the project indicated constructed or demolished, hereby confirms that:

1. The undersigned architect(s) and/or professional engineer(s) have been retained to undertake general review of the construction or demolition of the project indicated to determine whether construction or demolition of the project indicated is in general conformity with the plans and other documents that form the basis for the issuance of a permit, with general review undertaken in accordance with the performance standards of the Ontario Association of Architects (OAA) and/or Professional Engineers Ontario (PEO);
2. All general review reports by the architect(s) and/or professional engineer(s) will be forwarded promptly to the Chief Building Official;
3. Should any retained architect or professional engineer cease to provide general review for any reason during construction or demolition, the Chief Building Official will be notified in writing immediately, and another architect or professional engineer will be retained so that general review continues without interruption;
4. Construction or demolition of the project indicated will only be undertaken if architect(s) and/or professional engineer(s) are retained to undertake general review and a permit authorizing the construction or demolition has been issued; and
5. The architect(s) and/or professional engineer(s) listed below will be notified in writing of the start date of the construction or demolition of the project indicated and that no construction or demolition will commence before the start date given in the notification.

**The undersigned hereby certifies that he or she has read and agrees to the above.**

Owner's Company Name: \_\_\_\_\_ First and Last Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Owner's Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Company name of the coordinator of the work of all architects and professional engineers: \_\_\_\_\_ First and Last Name: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

**PART B – TO BE COMPLETED BY ARCHITECTS AND PROFESSIONAL ENGINEERS**

The undersigned architect(s) and/or professional engineer(s) hereby declare that they are licensed to practice in Ontario and have been retained to undertake general review of the parts of construction or demolition of the project indicated to determine whether the construction or demolition is in general conformity with the plans and other documents that form the basis for the issuance of a permit, with general review completed in accordance with the performance standards of the OAA and/or PEO.

ARCHITECTURAL    STRUCTURAL    MECHANICAL    ELECTRICAL    SITE SERVICES    OTHER: \_\_\_\_\_  
Company Name: \_\_\_\_\_ First and Last Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

ARCHITECTURAL    STRUCTURAL    MECHANICAL    ELECTRICAL    SITE SERVICES    OTHER: \_\_\_\_\_  
Company Name: \_\_\_\_\_ First and Last Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

ARCHITECTURAL    STRUCTURAL    MECHANICAL    ELECTRICAL    SITE SERVICES    OTHER: \_\_\_\_\_  
Company Name: \_\_\_\_\_ First and Last Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

ARCHITECTURAL    STRUCTURAL    MECHANICAL    ELECTRICAL    SITE SERVICES    OTHER: \_\_\_\_\_  
Company Name: \_\_\_\_\_ First and Last Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_



**AUTHORIZATION OF OWNER FOR APPLICANT  
OR AGENT TO MAKE THE APPLICATION**

I, \_\_\_\_\_, am the owner of the land that is the subject of an  
Application for a Permit to Construct or Demolish and I authorize  
\_\_\_\_\_ to make this application on my behalf.

\_\_\_\_\_  
Date

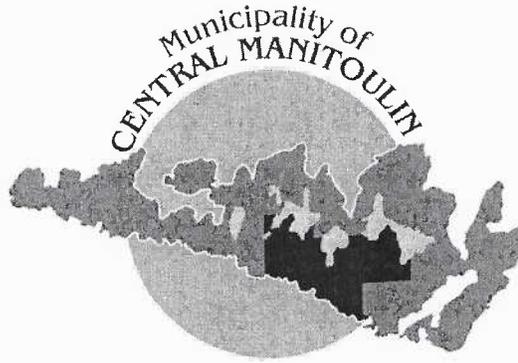
\_\_\_\_\_  
Signature of Owner

**AUTHORIZATION OF OWNER FOR APPLICANT  
OR AGENT TO PROVIDE PERSONAL INFORMATION**

I, \_\_\_\_\_, am the owner of the land that is the subject of an  
Application for a Permit to Construct or Demolish and for the purposes of the  
*Freedom of Information and Protection of Privacy Act*, I authorize  
\_\_\_\_\_ as my agent for this application, to provide any of my  
personal information that will be included in this application or collected during the processing of this  
application.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Owner



**LIST OF PLANS OR WORKING DRAWINGS TO ACCOMPANY**  
**APPLICATIONS FOR PERMITS**

**(2 SETS OF EACH)**

- 1. SITE PLAN**
- 2. FLOOR PLANS**
- 3. FOUNDATION PLANS**
- 4. FRAMING PLANS**
- 5. ROOF PLANS**
- 6. REFLECTED CEILING PLANS**
- 7. CROSS-SECTIONS & DETAILS**
- 8. BUILDING ELEVATIONS**
- 9. ELECTRICAL PLANS**
- 10. HEATING, VENTILATION & AIR CONDITIONING PLANS**
- 11. PLUMBING PLANS**
- 12. FIRE ALARM & SPRINKLER SYSTEM PLANS**

**NOTE: THE CHIEF BUILDING OFFICIAL MAY SPECIFY THAT SOME OF THE ITEMS LISTED ABOVE MAY NOT BE REQUIRED FOR PERMIT APPLICATION.**