

# 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)				
<b>A. Project information</b>				
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>B. Purpose of application</b>				
New construction		Addition to an existing building	Alteration/repair	Demolition
Proposed use of building		Current use of building		
Description of proposed work				
<b>C. Applicant</b>				
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 ( )		
<b>D. Owner (if different from applicant)</b>				
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 (optional)</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. Tarion Warranty Corporation (Ontario New Home Warranty Program)</b>				
i. Is proposed construction for a new home as defined in the <i>Ontario New Home Warranties Plan Act</i> ? If no, go to section G.			Yes	No
ii. Is registration required under the <i>Ontario New Home Warranties Plan Act</i> ?			Yes	No
iii. If yes to (ii) provide registration 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., 2nd Floor. Toronto, M5G 2E5 (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.

**A. Project Information**

Building number, street name		Unit no.	Lot/con.
Municipality	Postal code	Plan number/ other description	

**B. Individual who reviews and takes responsibility for design activities**

Name	Firm
Street address	Unit no. Lot/con.
Municipality	Postal code Province E-mail
Telephone number ( )	Fax number ( ) Cell number ( )

**C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division C]**

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

**D. Declaration of Designer**

I \_\_\_\_\_ declare that (choose one as appropriate):  
(print name)

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.

Individual BCIN: \_\_\_\_\_

Firm BCIN: \_\_\_\_\_

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.

Individual BCIN: \_\_\_\_\_

Basis for exemption from registration: \_\_\_\_\_

The design work is exempt from the registration and qualification requirements of the Building Code.

Basis for exemption from registration and qualification:\_\_\_\_\_

I certify that:

1. The information contained in this schedule is true to the best of my knowledge.
2. I have submitted this application with the knowledge and consent of the firm.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Designer

**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 Association of Professional Engineers of Ontario.

## **APPLICABLE LAW**

### **OBC [Div-A] 1.4.1.3. (1)**

- ☐ **Planning Act** - Sec.33, 34, 38, 41, 42, 46 and 47
- ☐ **Ontario Planning and Development Act, 1994** - Sec. 14
- ☐ **Conservation Authorities Act** - 28(1) (c)
- ☐ **Ontario Heritage Act** – Sec. 27(3), Sec.29(3), Sec. 30(2), 33, 34, 34.5, 34.7(2), 40.1 and 42
- ☐ **Development Charges Act, 1997** - Sec. 28 and 53
- ☐ **Education Act** - Sec. 194, Sec. 257.83 and 257.93
- ☐ **Day Nurseries Act** - Sec. 5 of Reg. 262/1990
- ☐ **Municipal Act, 2001** - Subsection 133(4)
- ☐ **Environmental Protection Act** - Sec. 46, 47.3, 168.3.1, 168.6.(1)
- ☐ **Environmental Assessment Act** - Sec. 5 and Subsection 5(4)
- ☐ **Elderly Persons Centres Act** - Sec. 6 of Reg. 314/1990
- ☐ **Public Lands Act** - Sec. 2,5 of Ontario Reg. 239/13
- ☐ **Public Transportation and Highway Improvement Act** - Sec. 34 or 38
- ☐ **Milk Act** – Sec. 14
- ☐ **Niagara Escarpment Planning and Development Act** – Subsection 24(3)
- ☐ **Nutrient Management Act, 2002** – Sec. 59
- ☐ **Clean Water Act, 2006** – Sec. 59
- ☐ **City of Toronto Act, 2006** – Sec. 102(3), 108, 114

FOR THE PURPOSES OF CLAUSE 10(2)(a), OF THE ACT, APPLICABLE LAW MEANS ANY GENERAL OR SPECIAL ACT, AND ALL REGULATIONS AND BY-LAWS ENACTED UNDER THEM THAT PROHIBIT THE PROPOSED USE OF THE <b>BUILDING</b> UNLESS THE ACT, REGULATION OR BY-LAW IS COMPLIED WITH.
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# Energy Efficiency Design Summary

(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

For use by Principal Authority

Application No:	Model/Certification Number
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## 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"/> <b>SB-12 Prescriptive</b> (circle one): A B C D E F G H I J K L M      or <input type="checkbox"/> Table 2.1.1.10. (Additions)	
<input type="checkbox"/> prescriptive trade-offs used (Specify 2.1.1.2. or 2.1.1.3. sentences being employed):	
<input type="checkbox"/> <b>SB-12 Performance*</b> [SB-12 - 2.1.2.]	* Attach energy performance calculations using an approved software
<input type="checkbox"/> <b>Energy Star®*</b> [SB-12 - 2.1.3.]	* Attach Builder Option Package [BOP] form
<input type="checkbox"/> <b>EnerGuide 80®*</b>	* House must be evaluated by NRCan advisor and meet a rating of 80

## C. Project Design Conditions

<b>Climatic Zone (SB-1):</b>	<b>Heating Equipment Efficiency</b>	<b>Space Heating Fuel Source</b>
<input type="checkbox"/> Zone 1 (< 5000 degree days)	<input type="checkbox"/> ≥ 90% AFUE	<input type="checkbox"/> Gas <input type="checkbox"/> Propane <input type="checkbox"/> Solid Fuel <input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Earth Energy
<input type="checkbox"/> Zone 2 (≥ 5000 degree days)	<input type="checkbox"/> ≥ 78% < 90% AFUE	
<b>Ratio of Windows, Skylights &amp; Glass (W, S &amp; G) to Wall Area</b>		<b>Other Building Conditions</b>
Area of walls =                      m <sup>2</sup>	W, S & G % = _____	<input type="checkbox"/> ICF Basement <input type="checkbox"/> Walkout Basement <input type="checkbox"/> Log/Post&Beam
Area of W, S & G =                      m <sup>2</sup>		<input type="checkbox"/> ICF Above Grade <input type="checkbox"/> Slab-on-ground

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

Building Component	RSI / R values	Building Component	Efficiency Ratings
<b>Thermal Insulation</b>		<b>Windows &amp; Doors</b> Provide U-Value in W/m <sup>2</sup> .K, 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 or condensing type)	
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 Efficiency)	
Slab (all ≤600mm below grade, or heated)			

## E. Performance Design Verification [complete applicable sections if SB-12 Performance, Energy Star or EnerGuide80 options used]

<b>SB-12 Performance:</b>	
The annual energy consumption using Subsection 2.1.1. SB-12 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 leakage of _____ air changes per hour @50Pa.	
<b>Energy Star:</b> Submit the BOP form with Energy Advisor's certification on completion.	
<b>Energy Star and EnerGuide80:</b>	
Evaluator/Advisor/Rater Name:	Evaluator/Advisor/Rater Licence #:

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

Name	BCIN	Signature
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# Guide to the 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,
2. Use the SB-12 Performance compliance method, and model the design against the prescriptive standards,
3. Design to Energy Star standards, or
4. Evaluate the design according to EnerGuide technical procedures and achieve a rating of 80 or more.

## 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 2.1.1. of SB-12. Energy efficiency design modeling and testing of the building is not required under this option. Certain trade-off options are permitted.
- SB-12 Performance refers to the method of compliance in Subsection 2.1.2. of SB-12. Using this approach the designer must use recognized energy simulation software (such as HOT2000 V9.34c1.2 or newer), and submit documents which show that the annual energy use of the building is equal to a prescriptive 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.
- EnerGuide80 houses are validated by NRCan authorized energy advisors and must achieve a rating of 80 or more when evaluated in accordance with EnerGuide administrative and technical procedures.

### 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 2.1.1.1. 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, RSI 3.52 wall insulation is permitted in certain conditions where other design elements meet higher standards. Refer to SB-12 for further details.

### E. Performance Design Summary

This section is not required to be completed if the SB-12 Prescriptive option is being used.

### F. 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 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 2.5 ACH @ 50 Pa in the case of detached houses, or 3.0 ACH @ 50 Pa in the case of attached houses is necessary to meet the required energy efficiency standard. A blower door test must also be conducted if the EnerGuide 80 option is used.

## ENERGY EFFICIENCY LABELING FOR NEW HOUSES

Energy Star and EnerGuide may issue labels for new homes constructed under their energy efficiency programs. The building code does not currently regulate or require new home labelling.



THIS FORM TO BE COMPLETED BY THE OWNER OR OWNER'S AUTHORIZED AGENT, AND SIGNED BY ALL CONSULTANTS RETAINED FOR GENERAL REVIEWS

## Permit Application No.

Municipality:

1. The undersigned architect and/or professional engineers have been retained to provide general reviews of the construction of the building to determine whether the construction is in general conformity with the plans and other documents that form the basis for the issuance of a building permit, 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 and/or professional engineers will be forwarded promptly to the Chief Building Official, and
3. Should any retained architect or professional engineer cease to provide general reviews for any reason during construction, the Chief Building Official will be notified in writing immediately, and another architect or engineer will be appointed so that general review continues without interruption during construction.

Date:

Telephone:

Fax:

Telephone:

Fax:

SHADED PORTION TO BE COMPLETED BY CONSULTANTS

Date:

Address:

Date:

Address:

Date:

Address:

Date:

Address:



An owner who constructs or arranges to have constructed certain buildings specified in the Ontario Building Code must by law retain an architect and/or professional engineers to carry out reviews during construction to determine whether the construction is in general conformity with the building permit documents. The consultants are obliged to carry out these field reviews, including their scope and frequency, in accordance with the performance standards of the Ontario Association of Architects and/or Professional Engineers of Ontario, and must forward written reports arising out of these reviews to the Chief Building Official of the municipality.

#### Professional design and review requirements in the Ontario Building Code, O.Reg. 403/97\*

Building Classification by Major Occupancy*	Building Description	Design and General Review by**
Assembly occupancy only	Every building	Architect and engineer
Assembly occupancy and any other major occupancy except industrial	Every building	Architect and engineer
Care or detention occupancy only	Every building	Architect and engineer
Care or detention occupancy and any other major occupancy except industrial	Every building	Architect and engineer
Residential occupancy only	Every building that exceeds 3 storeys in building height	Architect and engineer
Residential occupancy only	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area and that contains a residential occupancy other than a dwelling unit or dwelling units	Architect
Residential occupancy only	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area and contains a dwelling unit above another dwelling unit	Architect
Residential occupancy only	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in building area contains 3 or more dwelling units and has no dwelling unit above another dwelling unit	Architect
Residential occupancy and any other major occupancy except industrial, assembly or care or detention occupancy	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area or 3 storeys in building height	Architect and engineer
Business and personal services occupancy only	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area or 3 storeys in building height	Architect and engineer
Business and personal services occupancy and any other major occupancy except industrial, assembly or care or detention occupancy	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area or 3 storeys in building height	Architect and engineer
Mercantile occupancy only	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area or 3 storeys in building height	Architect and engineer
Mercantile occupancy and any other major occupancy except industrial, assembly or care or detention occupancy	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area or 3 storeys in building height	Architect and engineer
Industrial occupancy only and where there are no subsidiary occupancies	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area or 3 storeys in building height	Architect and engineer
Industrial occupancy and one or more other major occupancies where the portion of the area occupied by one of the other major or subsidiary occupancies exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> )	The non-industrial portion of every building	Architect and engineer
Industrial occupancy and one or more other major occupancies where no portion of the area occupied by one of the other major or subsidiary occupancies exceed 600 m <sup>2</sup> (6460 ft <sup>2</sup> )	The industrial portion of every building	Architect or engineer
	Every building that exceeds 600 m <sup>2</sup> (6460 ft <sup>2</sup> ) in gross area or 3 storeys in building height	Architect or engineer

\* This table is provided for general information only. Refer to the Ontario Building Code for definitions, occupancy classifications, design and general review requirements for alterations, demolition and other projects, and other general review regulations.

\*\* Architect means an architect who holds a license in Ontario. Engineer means a professional engineer who holds a license in Ontario.

#### Performance standards for review in the Architects Act (Section 50 of Ontario Regulation 27)

50. The following are prescribed as performance standards with respect to the general review of the construction, enlargement or alteration of a building by a member or holder (of a Certificate of Practice) as provided for in the building code prescribed under the Building Code Act:
  1. The member or holder, with respect to the matters that are governed by the building code, shall,
    - i. make periodic visits to the site to determine whether the work is in general conformity with design documents that were prepared by a member or holder,
    - ii. inform the client and contractor, in writing, as to the progress and quality of the work that the member or holder has observed during the visits to the site not to be in conformity with the design documents,
    - iii. review all changes to the design documents to determine whether the changes conform to the building code,
    - iv. review and comment on all shop drawings and samples for general conformity with the design concept of the work, and
    - v. if the member or holder is specifically engaged to coordinate the general review of the professional engineers and reports of the inspection and testing companies, coordinate the general review of the professional engineers and the reports of the inspection and testing companies that pertain directly to the work being reviewed and arrange for the distribution of such reports to the client and the contractor, or
    - vi. if the member or holder is not engaged to perform any or all of the services listed in subparagraph v., cooperate with the professional engineer responsible for the coordination of the general review in order to assist the professional engineer in the carrying out of the functions described in the subparagraph.
  2. In paragraph 1, design document means a design or other document which form the basis for the issuance of a building permit and includes all changes thereto that were authorized by the Chief Building Official as defined in the Building Code Act.

#### Performance standards for review in the Professional Engineers Act (Section 91a of Ontario Regulation 914/90)

- 91a The following are prescribed as performance standards with respect to the general review of the construction, enlargement or alteration of a building by a professional engineer (or holder of a Certificate of Authorization) as provided for in the building code prescribed under the Building Code Act:
  1. The professional engineer, with respect to the matters that are governed by the building code, shall,
    - i. make periodic visits to the site to determine, on a random sampling basis, whether the work is in general conformity with the plans and specifications for the building,
    - ii. record deficiencies found during site visits and provide the client, the contractor and the owner with written reports of the deficiencies and the actions that must be taken to rectify the deficiencies,
    - iii. review the reports of independent inspection and testing companies called for in the plans and specifications and which pertain directly to the work being reviewed,
    - iv. interpret plans and specifications when requested to do so by their clients, contractor or owner and
    - v. review shop drawings and samples submitted by the contractor for consistency with the intent of the plans and specifications.
  2. The professional engineer shall not review work in disciplines for which he or she is not qualified.
  3. The professional engineer may delegate one or more of the functions described in paragraph 1 to another person where it is consistent with prudent engineering practice to do so and the functions are performed under the supervision of the professional engineer.
  4. In paragraph a, "plans and specifications" means a plan or other document which formed the basis for the issuance of the building permit and includes all changes thereto that were authorized by the Chief Building Official as defined in the Building Code Act.