

Building Division

Residential Homes and Additions

Permit Application Guide



Description

A building permit for new single detached dwelling, semi-detached dwelling or a townhouse.

General Information

A building permit is required to construct a new dwelling. A permit is also required to install new plumbing in a building, a fuel source.

Additional Requirements/Approvals/ Applicable Law

The Building Code Act prohibits the issuance of a Building permit if the proposed construction or demolition will contravene applicable law as defined in the Ontario Building Code. Furthermore, **applications that do not have the required Applicable Law documentation with their building permit submission will not be processed.**

Please verify all approvals that may be necessary to submit a complete application. The following are examples:

- **Site Plan Development Approval/Agreement** (King Townships Planning Department)
- **Zoning Certificate** (King Townships Planning Department)
- **Oak Ridges Moraine Conformity** (King Townships Planning Department)
- **Lake Simcoe Region Conservation Authority or Toronto Region Conservation Authority**

Required Drawings

Survey or Site Plan – *Required for new openings

Survey or Site Plan, referenced to a current survey, showing the size and location of the existing structure, as well as distances to property lines and adjacent structures.

Floor Plans & Elevations - Architectural & Structural

Fully dimensioned plans, for each floor level showing existing and proposed uses of all spaces. Provide existing and proposed construction including footing, foundation and exterior wall construction, interior partitions and all structural framing components. Drawings are to show location of smoke alarms, carbon monoxide detectors and all plumbing fixtures including existing and proposed. Provide all four exterior elevations with floor to ceiling heights and overall building height.

Sections & Details

Cross section(s) to show existing/proposed building construction and specifications of all floor, wall and roof assemblies. Provide footing and foundation wall details including height of exterior grade above basement floor. Show floor to ceiling height and overall building height calculated to the midpoint of the roof or as per the zoning by-law standard. Detail stairs, landings, headroom, guards and handrails heights as well as any structural connections and specifications where required.

HVAC Mechanical Drawings and calculations

Where required, floor plans illustrating the layout of mechanical systems for each floor showing ducts, return and supply air location, stacks size and type of HVAC equipment. Calculations for heat loss, heat gain, duct design and mechanical ventilation.

Plumbing Data Sheet

Where an alteration or renovation includes plumbing and is serviced by municipal sewers a plumbing data sheet is required.

Sewage System Evaluations or Upgrade

Where a dwelling is serviced by a private on-site sewage system an evaluation of the system is required. The addition of plumbing fixtures, bathrooms or bedrooms will require a system evaluation and/or could require a system upgrade or replacement. Sewage system drawings, details and calculations are to include Designer information on all documents. Statement of Design and site plan showing location of septic tank, leaching bed and water well, in relation to property lines, other structures, bodies of water (creeks, streams, ponds, etc.).

Note: Drawings prepared by a qualified Designer as defined by the Ontario Building Code, must include designer's name, Building Code Identification Number (BCIN), signature, and statement that the designer has reviewed and takes responsibility for the design and meets the qualifications set out in the Ontario Building Code as a Designer, other Designer or licensed sewage system contractor.

Required Forms

- **Application for a Permit to Construct or Demolish**
- **Schedule 1 Designer Information** * (if required)
- **Schedule 2 Sewage System Installer Information** *(If a sewage system is being altered or installed)
- **Sewage System Evaluation** (If an existing sewage system is being reused)
- **Energy Efficiency Design Summary** * (when HVAC alterations apply)
- **Plumbing Data Sheet** (required for dwellings serviced by municipal water and sewers)
- **Owner's Authorization Form** * (if required)

Exemptions - Schedule 1

If drawings are prepared, stamped and signed by a Professional Engineer or Architect licensed to practice in Ontario, they are exempt from submitting a Schedule 1. Property owners may prepare and submit drawings for residential interior alterations or renovations however the scope of work undertaken by a homeowner must stay within the design limits of Part 9 of the Ontario Building Code. Homeowners may fill-in the Schedule 1 form to take responsibility for the design activities being carried out.

Required Fees – Residential

Building permit application fees can be found on the Townships website.

Permit Fee	As per By-Law
Road Damage Deposit - all Municipal roadways *if applicable	As per By-Law

Should you have any questions or require clarification please contact the Building Division, King Township, 2585 King Road, King City, L7B 1A1 (905) 833-4012

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 ²)		
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		

E. Builder (optional)				
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	
F. Tarion Warranty Corporation (Ontario New Home Warranty Program)				
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): _____				
G. Required Schedules				
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.				
H. Completeness and compliance with applicable law				
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
I. Declaration of applicant				
I _____ declare that: (print name) - The information contained in this application, attached schedules, attached plans and specifications, and other attached documentation is true to the best of my knowledge. - 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.

Schedule 2: Sewage System Installer Information

A. Project Information			
Building number, street name		Unit number	Lot/con.
Municipality	Postal code	Plan number/ other description	
B. Sewage system installer			
Is the installer of the sewage system engaged in the business of constructing on-site, installing, repairing, servicing, cleaning or emptying sewage systems, in accordance with Building Code Article 3.3.1.1, Division C?			
Yes (Continue to Section C)		No (Continue to Section E)	
		Installer unknown at time of application (Continue to Section E)	
C. Registered installer information (where answer to B is "Yes")			
Name		BCIN	
Street address		Unit number	Lot/con.
Municipality	Postal code	Province	E-mail
Telephone number	Fax	Cell number	
D. Qualified supervisor information (where answer to section B is "Yes")			
Name of qualified supervisor(s)		Building Code Identification Number (BCIN)	
E. Declaration of Applicant:			
I _____ declare that: (print name) I am the applicant for the permit to construct the sewage system. If the installer is unknown at time of application, I shall submit a new Schedule 2 prior to construction when the installer is known; <u>OR</u> I am the holder of the permit to construct the sewage system, and am submitting a new Schedule 2, now that the installer is known. I certify that: 1. The information contained in this schedule 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			

Building Division Sewage System Evaluation Declaration



A. Project Information		
Building number, street name	Unit number	Lot/Con
Municipality	Postal Code	Plan number
B. Individual who reviews and takes responsibility for design activities (One form per individual)		
Name	Firm	
Building number, street name	Unit number	Lot/Con
Municipality	Postal Code	Plan number
Phone Number	Email	
C. Declaration of Designer		
I _____ declare that the submitted documentation pertaining to the above noted property is in conformance with the Part 8 Division B of the Ontario Building Code based on a site evaluation that; 1. The existing septic system is of adequate size to support the proposed construction based on calculations provided with this application and proposed floor plans; 2. The sewage system serving the building is in good operating condition and functioning as designed after conducting a comprehensive evaluation. ☐ 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 Ontario 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 Ontario Building Code. Individual BCIN: _____ 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: _____		

For the purpose of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) d) of Division C, Article 3.2.5.1 of Division C of the Ontario Building Code.

The Township of King assumes no responsibility regarding the proposed sewage system verification and maintenance/operation of the sewage system mentioned in this document. It is the sole responsibility of the owner to maintain their sewage system in accordance with Division B 8.9.3 of the Ontario Building Code.



Energy Efficiency Design Summary

(Part 9 Residential)

This form is used to summarize the energy efficiency design of the project. Information on completing this form is on the reverse

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

☐ SB-12 Prescriptive [SB-12 - 2.1.1.]	Table: Package: A B C D E F G H I J K L M (circle one)
☐ SB-12 Performance* [SB-12 - 2.1.2.]	* Attach energy performance calculations using an approved software
☐ Energy Star®* [SB-12 - 2.1.3.]	* Attach Builder Option Package form
☐ EnerGuide 80® *	* House must be evaluated by NRCAN advisor and meet a rating of 80

C. Project Design Conditions

Climatic Zone (SB-1):	Heating Equipment Efficiency	Space Heating Fuel Source
☐ Zone 1 (< 5000 degree days)	☐ ≥ 90% AFUE	☐ Gas ☐ Propane ☐ Solid Fuel
☐ Zone 2 (≥ 5000 degree days)	☐ ≥ 78% < 90% AFUE	☐ Oil ☐ Electric ☐ Earth Energy
Windows+Skylights &Glass Doors		Other Building Conditions
Gross Wall Area = m ²	% Windows+ _____	☐ ICF Basement ☐ Walkout Basement ☐ Log/Post&Beam
Gross Window+ Area = m ²		☐ ICF Above Grade ☐ 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
Thermal Insulation		Windows & Doors¹	
Ceiling with Attic Space		Windows/Sliding Glass Doors	
Ceiling without Attic Space		Skylights	
Exposed Floor		Mechanicals	
Walls Above Grade		Space Heating Equip. ²	
Basement Walls		HRV Efficiency (SRE% at 0° C)	
Slab (all >600mm below grade)		DHW Heater (EF)	
Slab (edge only ≤600mm below grade)		NOTES	
Slab (all ≤600mm below grade, or heated)		1. Provide U-Value in W/m ² .K, or ER rating	
		2. Provide AFUE or indicate if condensing type combined system used	

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

SB-12 Performance:	
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.	
Energy Star: Submit the BOP form with Energy Advisor's certification on completion.	
Energy Star and EnerGuide80:	
Evaluator/Advisor/Rater Name:	Evaluator/Advisor/Rater Licence #:

F. Designers [names of designers who are responsible for the building code design and whose plans accompany the permit application]

Architectural	Mechanical
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Guide to the Energy Efficiency Design Summary Form

The *Energy Efficiency Design Summary* form summarizes the compliance path used by a house designer to comply with energy efficiency requirements of the Ontario Building Code. This form must accompany the building permit application. The information on this form MUST reflect the drawings and specifications being submitted, or the building permit may be refused. 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 at www.mah.gov.on.ca, or the municipal building department.

Beginning January 1, 2012, a house designer must use one of four energy efficiency compliance options in the building code:

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.
- SB-12 Performance refers to the alternative method of compliance set out 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 be labelled on completion by Enerquality or other agency. 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 and 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.

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* issue labels for new homes constructed under their energy efficiency programs. The building code does not regulate new home labelling.

Building Division Plumbing Data Form



Project Information

PROJECT DESCRIPTION:

PROPERTY ADDRESS:

OWNER NAME:

TELEPHONE NUMBER:

EMAIL:

Street No. and Name

City

Postal Code

First

Last

Fixture Information

Fixture or Device	Fixture Flow	Bsmt	1st Floor	2nd Floor	3rd Floor	Subtotal	Total
Bathrooms							
¹ Bathroom group with 2 fixtures (sink & toilet)	2.9						
¹ Bathroom group with 3 fixtures (1 sink, 1 toilet & 1 bathtub with or without shower, <u>or</u> 1 shower head)	3.6						
¹ Bathroom group with 4 fixtures (2 sinks, 1 toilet & 1 bathtub with or without shower head, <u>or</u> 1 shower head)	3.7						
¹ Bathroom group with 4 fixtures (1 sink, 1 toilet, 1 bathtub, & 1 shower)	5.0						
¹ Bathroom group with 5 fixtures (2 sinks, 1 toilet, 1 bathtub, & 1 shower head)	5.7						
¹ Bathroom group with 6 fixtures (2 sinks, 1 toilet, 1 bidet, 1 bathtub, & 1 shower head)	7.7						
Additional Shower	1.4						
² Each additional Shower head or body spray, 9.5 L/min or less per head	1.4						
Bidet	2.0						
Urinal, with flush tank	3.0						
Urinal, with self-closing metering valve	2.0						
Laundry							
Clothes washer, 3.5kg	1.4						
Sink, laundry (1 or 2 compartments)	1.4						
Kitchen							
Sink, kitchen, domestic, 8.3 L/min or less	1.4						
Sink, bar	1.0						
Dishwasher, domestic	1.4						
Other							
³ Hose bibb (½ inch supply)	2.5						
Additional Hose bibb (½ inch supply)	2.5						
Hose bibb (¾ inch supply)	3.0						
Hose bibb, combination hot and cold	2.5						
Total Fixture Units =							

¹ Bathroom groups are based on a shower/tub with 1/2" supply. Additional fixture flow will apply for 3/4" supply spouts. (O.B.C. Table 7.6.3.2.A (3))

² Base fixture groups assume a single shower head. Additional body sprays or showerheads must be added to the calculation.

³ Assumption is that all dwellings will have two 1/2" hose bibs (one at rear and one in garage) which are automatically included in the above calculations

Note: Maximum number of fixture units on a ¾" Water Service Pipe = 26 (OBC 7.6.3.4).

I hereby certify that the information supplied above is accurate to the best of my knowledge.

Name (please print)

Signature

Personal information collected on this form is under the authority of the Municipal Act, s. 11. The purpose of this collection is to administer the Service Connection Permit Application Process. Personal information provided on this form is protected in accordance with Municipal Freedom of Information and Protection of Privacy Act (MFIPPA) Part II. Should you have any questions or concerns regarding the collection of personal information, please contact the Building Division, King Township, 2585 King Road,

Building Division

Letter of Authorization



Information

Property Address: _____

Legal Description: _____

Roll Number: _____

Personal Information

Name: _____

Phone No.: _____

Address: _____

Email: _____

Authorizing Letter

To Whom it May Concern:

I/We, the above, do give _____ permission to act as our agent in applying to the Township of King for a building permit for the following projects:

(check all that apply)

- ☐ Demolition of Accessory Structure
- ☐ Demolition of Residential Building
- ☐ Demolition of Commercial/Industrial Building
- ☐ Construction of Dwelling
- ☐ Addition to Dwelling
- ☐ Construction of Accessory Structure
- ☐ Construction of a Deck
- ☐ Construction of Commercial/Industrial Building
- ☐ Renovation to Existing Building
- ☐ Other: (please specify) _____

Property Owner Signature: _____ Date: _____

Property Owner Signature: _____ Date: _____

Authorized Agent Signature: _____ Date: _____