

# **ADDITIONS**

# Permit Application Checklist

- 1. Completed Application Form
- 2. Schedule 1 (Designer Information)
- 3. Development Review Forms
- 4. Site Plan
- 5. Lot Grading Exemption Form or Grading Plan
- 6. Building Plans (Electronic Submissions Preferred)
  - Floor Plans (foundation, 1st floor, 2nd floor)
  - Exterior Elevations (front, side, rear)
  - Cross Section
  - Type of Foundation (piers, pole, full or slab of grade)
  - Building Area and Spatial Separation Calculations
- 7. Engineered Truss Plans and Engineered Floor Plans (if applicable)
- 8. Heat Loss Calculations and Duct Design
- 9. Soil Gas Control Form
- 10. Energy Efficiency Design Summary
- 11. Conservation Authority Approval (Catfish Creek or Kettle Creek where applicable)

\*\* If Septic System is present, a report from a qualified Septic Installer is required to ensure the system is capable of handling the increased loading of the system





# SUBMISSION REQUIREMENTS

When submitting for a building permit the following items are required:

- Application to Construct or Demolish with Schedule 1 (Designer Information)
- · Development Review Form completed with all other authorities having jurisdiction approval
- A Set of Building Plans to scale, legible and include:
  - Site Plan lot lines and dimensions, new and existing building sizes and locations, building setbacks, street names, municipal address and north arrow. (Plans submitted for development approval may also be resubmitted for building permit)
  - Foundation Plan showing; scale, dimensions, size type and location of all walls and partitions, width locations and lintel sizes for all openings, material specifications or notes.
  - Floor Plans showing; scale, dimensions, use of rooms and spaces, size type and location of all walls and partitions, width locations and lintel sizes for all openings, material specifications or notes, location and direction of stairs, references to details.
  - Elevations showing; scale, vertical dimensions, grade level, exterior finishes, overhang dimension, roof shape slope and finish, references to details.
  - Sections and Details showing; scale, details of footings foundation, walls, floors and roof, distance from grade to floors, roof and underside of footing, material specifications or notes.
  - All drawings to be done by a qualified designer with a valid BCIN (Except for exemptions as outlined under sections 2.17.4.1.(3) (4) and 2.17.5.1.(2) of the OBC)
  - Engineered Truss Drawing (with Engineers stamp) required prior to framing inspection. To avoid any problems it is recommended the stamped truss drawing be submitted with the permit application.
- General Review Commitment Certificate completed by engineer/architect for aspects of the building designed outside of part 9 of the OBC.

Incomplete applications will be rejected prior to review and will need to be resubmitted for issuance of permit.

As of August 22, 2016, By-Law 2029, being a by-law respecting the implementation of the Building Code Act, S.O. 1992, c.23. and cited as the "Building Permit By-Law":

9.11 Building Permit Security Deposit: With respect to the issuance of a building permit, a refundable security deposit will be paid to the Municipality to assure total completion of work authorized by the permit. The amount will be based on five (5) percent of the permit value to a maximum of \$1,000.00. The deposit will be held without interest until completion certificate is issued. The deposit will be returned in full, less any additional required inspection fees. If an extension for completion of the permitted work is not requested in writing and granted, then the deposit will be forfeited at the end of one year after the date of issuance of the permit. The fee contemplated by this section shall be forfeited in full if the building for which the permit was issued has been occupied prior to the issuance of a completion certificate.

# 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:	ate received:		Roll number:			
Application submitted to:(Name of municipali	ty, upper-tie	er municipality	y, boar	d of health or conservation	n authority)	
A. Project information						
Building number, street name					Unit number	Lot/con.
Municipality	Postal co	ode	F	Plan number/other desc	cription	•
Project value est. \$			,	Area of work (m <sup>2</sup> )		
B. Purpose of application						
New construction Addition existing but		Altera	Alteration/repair		Demolition	Conditional Permit
Proposed use of building	Curren		ent use of building			
C. Applicant Applicant is:	Applicant is: Owner or Au			norized agent of owner		
Last name	First name			Corporation or partners	tion or partnership	
Street address					Unit number	Lot/con.
Municipality	Postal code		F	Province	E-mail	
Telephone number	Fax				Cell number	
D. Owner (if different from applicant)						
Last name	First nan	ne	(	Corporation or partners	hip	
Street address	1				Unit number	Lot/con.
Municipality	Postal code		I	Province E-mail		
Telephone number	Fax			Cell number		

E. Builder (optional)					
Last name	First name	Corporation or partners	hip (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 Warrant	y Program)			
i. Is proposed construction for a new home as defined in the <i>Ontario New Home Warranties</i> Plan Act? If no, go to section G.  Yes				s No	
ii. Is registration required under the Ontar	io New Home Warrantie	s Plan Act?	Ye	s No	
iii. If yes to (ii) provide registration number	(s):				
G. Required Schedules	· · ·				
i) Attach Schedule 1 for each individual who rev	riews and takes respons	ibility for design activities.			
ii) Attach Schedule 2 where application is to con	struct on-site, install or r	epair a sewage system.			
H. Completeness and compliance with a	applicable law				
<ul> <li>This application meets all the requirements o Building Code (the application is made in the applicable fields have been completed on the schedules are submitted).</li> </ul>	correct form and by the	owner or authorized agen		s No	
Payment has been made of all fees that are required under the applicable by law resolution or				s 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>				s 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</i> , 1992 which enable the chief building official to determine whether the proposed building, construction or demolition will contravene any applicable law.				s No	
iv) The proposed building, construction or demolition will not contravene any applicable law.  Yes				s No	
I. Declaration of applicant					
I(print name)			de	clare that:	
The information contained in this applic documentation is true to the best of my  If the owner is a corporation or partners	knowledge.			ner attached	
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 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 C1** HVAC - House **Building Structural** House Small Buildings **Building Services** Plumbing - House Large Buildings Detection, Lighting and Power Plumbing - All Buildings Complex Buildings On-site Sewage Systems Fire Protection Description of designer's work **Declaration of Designer** 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.

#### NOTE:

Date

- 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.

Signature of Designer



# DEVELOPMENT REVIEW FORM

The Building Code Act requires compliance to other applicable law and items identified under the Municipal Building By-law prior to issuance of a building permit.

In order to determine compliance, the Municipality of Central Elgin has developed the attached "Development Review Form (DRF)" as a general guideline for residential and small construction projects. Failure to complete this form and submission of all required approvals as noted on the DRF will leave the municipal staff unable to determine compliance to other applicable law and, therefore, a building permit will not be reviewed or issued.

Building permit application time frames as set out in the Building Code Act will not commence until such time as the DRF is complete and all approvals have been received.

Drawings are required to be to scale, legible and include:

### Zoning Compliance

Site plan showing lot lines and dimensions, new and existing building sizes and locations, building height, building set backs, street names, municipal address and north arrow, reference to legal survey or note stating survey stakes located and confirmed on site.

### Lot Grading

Site plan showing lot lines and dimensions, new and existing building sizes and locations, building setbacks, location or paved surfaces, street names, municipal address and north arrow, location of septic field, reference to legal survey or note stating survey stakes located and confirmed on site, (geodetic elevations) and drainage arrows. Lot grading plans must bear the signature and deal of a Professional Engineer, Landscape Architect, or Ontario Land Surveyor.

## Access Permit

Site plan showing lot lines and dimensions driveway location and width.

### Service Permit

Site plan showing lot lines and dimensions, building setbacks, street names, municipal address and north arrow, location or service lines, location of driveways and sidewalks.

### • Proximity to Overhead Power Lines

Site plan identifying and confirming by the Local Utility Company the proximity to overhead power lines.

Sections outlined below deal with applicable law as outlined in section 1.1.3.3. of the O.B.C, and the Municipal Building By-law as per section 7 of the BCA. Prior to the acceptance of a building permit application, all sections must be fully completed and approved by the appropriate authorities. Time frames for issuance of permits under the BCA, due not commence until all items below are completed and submitted with a complete building permit application to the municipality. This form is only a guideline for residential and small development in our area, additional reviews and approvals may be required.

# **Full Address of Project**

Building Number	Street Name			Unit Number	Lot/Con.	
A) Zoning Compliance  To obtain property zoning, you must contact the Municipality of Central Elgin's Planning Office at 519.633.2560						
Property Zoning						
Building Size		ı			1	
Width		Length		Height	Area	Э
Setbacks Provided			·			
Side Yard		Side Yard		Front Yard	Rea	r Yard
Is this application conditional to Site Plan Control or Zoning Amendment?  If yes, attach copies of approvals  Yes  No				No		
B) Lot Grading Approval						
Does the proposed development include a roofed structure greater than 10 m² (108 ft²)? Yes No If yes, one of the following is required.				No		
Have you provided a Lot Grading Plan or Lot Grading Exemption Form for approval?  Yes No				No		
C) Overhead Power Lines						
Does the development deal with a historical designated building?  If yes, please provide a letter of approval from the Municipal Council.  Yes No				No		
D) Conservation Authority						
Is the proposed development in a flood, erosion or dynamic beaches controlled area?  • Kettle Creek Conservation Authority  • Catfish Creek Conservation Authority			No			
Does the proposed construction require Conservation Authority review?  If yes, please provide a copy or permit issued.  Yes No			No			

E) Agricultural	
Minimum Distance Separation Non-livestock related construction Are there any structures capable of housing livestock within 500m (1650ft) of this proposed structure?	g Yes No
<b>Livestock related construction</b> Are there any residential structures within 500m (1650ft) of this proposed structure? If yes, to either of the above please provide Minimum Distance Separation Calculation form	Yes No
Nutrient Management Act Is this a new operation creating > 5 N.U. 's If yes, please provide a copy of Nutrient Management Plan.	Yes No
Is this a new operation creating > 150 N.U.'s?	Yes No
Is this a expanding operation creating > 300 N.U.'s? If yes, to either of the above, please provide a copy of the Provincial approval.	Yes No
F) Septic Permit	
Does the development require installation of a new septic system?	Yes No
Does the development require alterations of an existing septic system?	Yes No
Does the development increase the number of bedrooms?	Yes No
Does the development increase the number of plumbing fixtures?	Yes No
G) Access Permit	
G) Access Permit  Does the development require new access onto a County road?	Yes No
	Yes No
Does the development require new access onto a County road?  Does the development require access approval for MTO?	
Does the development require new access onto a County road?  Does the development require access approval for MTO?  If yes, please provide a letter of approval  Does the development require new access onto a Municipal road?	Yes No
Does the development require new access onto a County road?  Does the development require access approval for MTO?  If yes, please provide a letter of approval  Does the development require new access onto a Municipal road?  If yes, please provide plans for approval by the Director of Development Services	Yes No
Does the development require new access onto a County road?  Does the development require access approval for MTO?  If yes, please provide a letter of approval  Does the development require new access onto a Municipal road?  If yes, please provide plans for approval by the Director of Development Services  H) Service Connection  Does the development require connection to municipal services?	Yes No
Does the development require new access onto a County road?  Does the development require access approval for MTO?  If yes, please provide a letter of approval  Does the development require new access onto a Municipal road?  If yes, please provide plans for approval by the Director of Development Services  H) Service Connection  Does the development require connection to municipal services?  If yes, please provide plans for approval by the Directory of Development Services	Yes No
Does the development require new access onto a County road?  Does the development require access approval for MTO?  If yes, please provide a letter of approval  Does the development require new access onto a Municipal road?  If yes, please provide plans for approval by the Director of Development Services  H) Service Connection  Does the development require connection to municipal services?  If yes, please provide plans for approval by the Directory of Development Services	Yes No Yes No Yes No certify that:
Does the development require new access onto a County road?  Does the development require access approval for MTO? If yes, please provide a letter of approval  Does the development require new access onto a Municipal road? If yes, please provide plans for approval by the Director of Development Services  H) Service Connection  Does the development require connection to municipal services? If yes, please provide plans for approval by the Directory of Development Services  I) Declaration of Applicant  I,  1. The information contained in this application, attached plans and specifications, and other attached best of my knowledge.  2. As the Owner/Contractor, I take responsibility to ensure compliance to all federal, provincial and more regulations prior to, during, and after construction. I will not hold The Municipality of Central Elgin cactions by myself resulting in non-issuance of a permit, revoking of a permit, civil action, and/or pos	Yes No Yes No Yes No Yes No Certify that: d documentation is true to the unicipal legislation and or or its employees liable for any
Does the development require new access onto a County road?  Does the development require access approval for MTO? If yes, please provide a letter of approval  Does the development require new access onto a Municipal road? If yes, please provide plans for approval by the Director of Development Services  H) Service Connection  Does the development require connection to municipal services? If yes, please provide plans for approval by the Directory of Development Services  I) Declaration of Applicant  I,  1. The information contained in this application, attached plans and specifications, and other attached best of my knowledge.  2. As the Owner/Contractor, I take responsibility to ensure compliance to all federal, provincial and ma regulations prior to, during, and after construction. I will not hold The Municipality of Central Elgin of	Yes No Yes No Yes No Yes No Certify that: d documentation is true to the unicipal legislation and or or its employees liable for any

Personal information contained in this form and schedules is collected under the authority of section 7 subsections 8(s) of the Building Code Act, 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)Chief Building Official of the Municipality to which this application is being made.



# LOT GRADING EXEMPTION FORM

Property Owner Name	Permit
Address	
Phone	Email
Description of Work	
<b>SKETCH/PLAN</b> (Indicate Location of Proposed Work) Municipal Drain On Property? Y N Name:	
Indicate North	
On the approval of this exemption you are hereby advised that you w	ll be responsible for any flooding or drainage disputes
which may arise as a result of this construction	
Signature of Applicant	Date
Comments	
Signature of Senior Engineering Technologist	Date

# 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/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

Application No:			FOI USE DY F		Certification Number		
Application No:				iviodel/0	Serulication Number		
A. Project Information	n						
Building number, street name						Unit number	Lot/Con
Municipality		L Hosts	al code	I Pog Pl	on number / other decer	otion	
Municipality		FUSIA	ar code	Reg. Fi	an number / other descri	puon	
B. Prescriptive Cor	npliance	[indicate the	e building code co	ompliance	package being emp	loyed in this house	design]
SB-12 Prescriptive (inpe	ut design pa	ackage):	Package:		Tab	le:	
C. Project Design Co	nditions						
Climatic Zone (SB-1):			quipment Effic	ciency	Space Heating		
☐ Zone 1 (< 5000 degree day		□ ≥ 92% A	AFUE < 92% AFUE		□ Gas □ Oil	<ul><li>□ Propane</li><li>□ Electric</li></ul>	□ Solid Fuel □ Earth Energy
□ Zone 2 (≥ 5000 degree day Ratio of Windows, Skylights					_		**
Ratio of Williams, Skylights	s & Glass (	(VV, 3 & G)	to wall Area		Other Building		e Grade
Area of walls =m <sup>2</sup> or	ft <sup>2</sup>	W C 9	G % =		□ Slab-on-groun		
					☐ Air Conditionir	•	
Area of W, S & G =m^2 o	ر	Utilize windo	w averaging: 🗆	∕es □No	□ Air Sourced H		,
Area of W, S & G =m^ o	rft <sup>*</sup>				☐ Ground Source	ed Heat Pump (	<u> </u>
D. Building Specifica	tions [prov	vide values a	and ratings of the	energy eff	ficiency components	proposed]	
Energy Efficiency Subs	titutions						
□ ICF (3.1.1.2.(5) & (6) / 3.1.	1 3 (5) & (6	3))					
□ Combined space heating a			ating systems	(3.1.1.2.(	7) / 3.1.1.3.(7))		
□ Airtightness substitution(s)			aming of otomic	(0	.,,		
Airtigritiless substitution(s)		1.1.4.B R	equired:		Permi	itted Substitution	
Airtightness test required			•				
(Refer to Design Guide Attached)	□ Table 3.				Permitted Substitution:		
Puilding Company	n.t	Minimum	equired: RSI / R values		Permitted Substitution:  Building Component Efficiency  Efficiency		Efficiency Ratings
Building Compone	nt	or Maxim	um U-Value <sup>(1)</sup>		Building Comp	onent	Efficiency Ratings
Thermal Insulation		Nominal	Effective	Windo	ws & Doors Pro	vide U-Value <sup>(1)</sup> or E	R rating
Ceiling with Attic Space				Windo	ws/Sliding Glass	Doors	
Ceiling without Attic Space		Skylights/Glazed Roofs		3			
Exposed Floor			Mechanicals				
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	arada)		· · · · · · · · · · · · · · · · · · ·		# Showers		
	-			bined Heating System			
Slab (all ≤600mm below grade,		Di	F) but and the	00111011	.sa . isating Cyst		
(1) U value to be provided in eith <b>E. Designer(s)</b> [name(s)				viding infor	mation herein to sub	ostantiate that design	gn meets the building code]
Qualified Designer Declarati							
Name				BCIN		Signature	

# 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.

• <u>SB-12 Prescriptive</u> 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 <u>SB-12 Prescriptive</u> 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)

D. ildia a T	Airtightness Targets				
Building Type	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 <u>SB-12 Prescriptive</u> 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.



# THE MUNICIPALITY OF CENTRAL ELGIN

# SOIL GAS CONTROL / FLOOR SLAB AIR BARRIER

Applicant: _	Date:
Address: _	Permit Number:
Required:	<ul> <li>Provide minimum 100mm (4") of granular fill below the basement floor slab</li> <li>Rough-in 100mm (4") soil gas pipe as per Ontario Building Code article 9.13.4.3</li> <li>Provide soil gas barrier/air barrier on exterior foundation walls and below the basement floor slab as per Supplementary Standard SB-9 and OBC articles 9.13.4.3 &amp; 9.25.3.3.</li> <li>Voluntary Radon Gas testing</li> </ul>