

# **Building Permit Application**

To be used for

**New Single Residential**

**Residential Addition**

**Accessory Building**

**Renovation of Existing**

*Be sure to take the appropriate information package*

*New*

**As of 2016: Recycle/Local charge is applied to the property six months from the date Development fees received.**

**Reactivation of a Permit more than 2 years since the last inspection is 100% of original fee max of \$250**

**Do not use this permit for a:  
Pool, Deck, Demolition, Solid Fuel, or Structure.  
These are individual forms which include the permit and information package together.**

# **ALL AREAS OF PERMIT APPLICATION MUST BE COMPLETED PRIOR TO PERMIT ISSUANCE**

Plans must be submitted by a qualified and/or Registered Designer with a BCIN number issued by the Ministry of Housing unless the building is exempt.

## **NOTICE TO APPLICANT**

**PLEASE NOTE THAT**

### **ALL FEES**

**MUST BE PAID IN FULL**

**&**

### **SEPTIC PERMITS**

**MUST BE SUBMITTED**

**TO THE TOWNSHIP**

**PRIOR TO**

**PERMIT ISSUING AND**

**COMMENCEMENT OF ANY**

**CONSTRUCTION**

**OR**

**INSTALLATION**

**AND**

**ALL APPLICABLE LAWS ISSUES TO BE ADDRESSED**

**HOWEVER,**

**APPLICATION may be submitted while other permits are pending.**

Note: This PERMIT Application Form is

**NOT** to be used for a

**POOL, SOLID FUEL or STRUCTURE PERMIT**

**SCHEDULE A**  
**(TO BY-LAW NUMBER 2017-029)**  
**Categories of Permits and Permit Fees**

Category of Permit	Fees
<b><i>Residential</i></b>	
New construction, additions, or renovations where the floor area is considered useable <b>living</b> space. Includes covered or enclosed decks, porches, finished basements, and sleeping cabins or camps as defined in the zoning by-law	\$0.50 per square foot or \$5.382 per square metre
New construction, additions, or renovations where the floor area is considered <b>non-living</b> space. Includes un-finished basements, attached garages or carports, and detached accessory buildings	\$0.35 per square foot or \$3.767 per square metre
Decks or porches which are not enclosed or covered	\$0.25 per square foot or \$2.691 per square metre
Minimum Permit fee in this category	\$60.00
<b><i>Industrial/Commercial or Public Buildings</i></b>	
New construction, addition, alteration, or repair of any industrial, commercial, or public building	\$0.50 per square foot or \$5.382 per square metre
Minimum Permit fee in this category	\$200.00
<b><i>Farm (Farm Registration Number Required)</i></b>	
New construction, addition, alteration, or repair of any farm building	\$0.10 per square foot or \$1.076 per square metre Maximum fee in this category is \$200.00 if structure is less than 600 meters squared and \$2500.00 if structure is greater than 600 meters squared.
<b><i>Miscellaneous</i></b>	
Solid Fuel Appliance Permit	\$60.00
Demolition Permit	\$60.00
Change of Use Permits	\$60.00
Plumbing Permit	\$60.00
Transfer of Permit	\$60.00
Substantial Revision of Permit	\$60.00
Required for Referral of Revocation of Permit	\$60.00
Conditional Permit	\$250.00 plus \$2000.00 deposit
Discretionary Surcharge for Starting Construction Without Permit or Authorization	\$250.00
Refunds for Revocation	See Schedule C
Pool permits	See Pool By-Law
Extensive plan examination greater than 3 Hours	\$75.00/ hour
Reactivation of permits more than 2 years since the last inspection	100% of original fee not to exceed \$275.00

Other fees that may be applicable:

Development Charges: **Township** \$2,875 **County** \$700 (fee at time issuance of permit; applies to new dwelling units on vacant lots.)

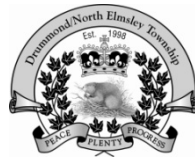
Civic Address Sign \$70.00

Entrance Permit \$1,000 (\$100 permit, \$900 deposit). For entrance onto a county road contact Lanark County at 613-267-4200

**Septic Permits contact Health Unit (613-283-2740)**

**Electrical Permit see Electrical Safety Authority (1-877-372-7233)**

**Conservation Authority approval – MVCA 613-259-2421 x 244; RVCA 613-692-3571 x 1100 OR 613-367-5353, x 131**



## Township of Drummond/North Elmsley

310 Port Elmsley Road  
 RR #5, Perth, Ontario K7H 3C7  
 cbo@dnetownship.ca

Office 613-267-6500  
 Fax 613-267-2083

### Application for a Permit to Construct or Demolish

This form is authorized under the Building Code Sentence 2.4.1.1A.(2).

#### 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. Applicant Owner or Authorized agent of owner

Applicant is:			
Last name	First name	Corporation or partnership	
Street address		Unit number	Lot/con.
Municipality	Postal code	Province	E-mail
Telephone number ( )	Fax ( )	Cell number ( )	

#### C. 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 ( )	

#### D. 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 ( )	

E. Purpose of application		
<input type="checkbox"/> New construction	<input type="checkbox"/> Addition to an existing building	<input type="checkbox"/> Alteration/repair
<input type="checkbox"/> Demolition	<input type="checkbox"/> Conditional Permit	
Proposed use of building	Current use of building	
Description of proposed work		
F. Tarion Warranty Corporation (Ontario New Home Warranty Program)		
• 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.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
• Is registration required under the <i>Ontario New Home Warranties Plan Act</i> ?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
• 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 (Health Unit Permit) 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 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.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/> Yes	<input type="checkbox"/> 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> .	<input type="checkbox"/> Yes	<input type="checkbox"/> 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.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
iv. The proposed building, construction or demolition will not contravene any applicable law.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
I. Declaration of applicant		
I _____ certify 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. I have authority to bind the corporation or partnership (if applicable).		
_____	_____	
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 2.20.2.1]				
<input type="checkbox"/> House	<input type="checkbox"/> HVAC – House	<input type="checkbox"/> Building Structural		
<input type="checkbox"/> Small Buildings	<input type="checkbox"/> Building Services	<input type="checkbox"/> Plumbing – House		
<input type="checkbox"/> Large Buildings	<input type="checkbox"/> Detection, Lighting and Power	<input type="checkbox"/> Plumbing – All Buildings		
<input type="checkbox"/> Complex Buildings	<input type="checkbox"/> Fire Protection	<input type="checkbox"/> On-site Sewage Systems		
Description of designer's work				
D. Declaration of Designer				
<p>I _____ declare that (choose one as appropriate):</p> <p style="text-align: center;">(print name)</p> <p><input type="checkbox"/> I review and take responsibility for the design work on behalf of a firm registered under subsection 2.17.4. of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories.</p> <p style="padding-left: 40px;">Individual BCIN: _____</p> <p style="padding-left: 40px;">Firm BCIN:        _____</p> <p><input type="checkbox"/> I review and take responsibility for the design work and am qualified in the appropriate category as an "other designer" under subsection 2.17.5. of the Building Code.</p> <p style="padding-left: 40px;">Individual BCIN: _____</p> <p style="padding-left: 40px;">Basis for exemption from registration: _____</p> <p><input type="checkbox"/> The design work is exempt from the registration and qualification requirements of the Building Code.</p> <p style="padding-left: 40px;">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 authority to bind the corporation or partnership (if applicable).</li> </ol> <p style="margin-top: 20px;">_____</p> <p style="display: flex; justify-content: space-between; width: 100%;"> <span>Date</span> <span>Signature of Designer</span> </p>				

\*For the purposes of this form, "individual" means the "person" referred to in Clause 2.17.4.7.(1)(d), Article 2.17.5.1. and all other persons who are exempt from qualification under Subsections 2.17.4. and 2.17.5.

**NOTE:**

1. Firm and Individual BCIN numbers are not required for building permit applications submitted prior to January 1, 2006
2. Schedule 1 does not need to be completed by architects, or holders of a Certificate of Practice or a Temporary License under the *Architects Act*.



# Township of Drummond/North Elmsley

310 Port Elmsley Road  
RR #5, Perth, Ontario K7H 3C7  
cbo@dnetownship.ca

Office 613-267-6500  
Fax 613-267-2083

check box if Plans are submitted.

if Construction Plans are not submitted complete this following form giving applicable

## CONSTRUCTION DETAILS

**1. Construction Type:**

- Frame                       Protected Frame             Veneer             Masonry
- Reinforced Concrete       Steel                               Other

**2. Soil Type:**

- Rock       Clay                       Loam       Other
- Are special foundations required?       Yes       No

**3. Foundation:** Wall Thickness \_\_\_\_\_

Type:  Poured  Block  Other (specify) \_\_\_\_\_

**4. Footings:** Size \_\_\_\_\_

**5. Floor:** Load \_\_\_\_\_

**6. Water:**  Well  Other (specify) \_\_\_\_\_

**7. Heating:**  Gas  Oil  Electric  Other (specify) \_\_\_\_\_

**8. Ventilation:**  Required Ventilation Summary has been Submitted – attached; or  N/A

**9. Please indicate the number of new bedrooms and/or water fixtures proposed.**

\_\_\_\_\_ New bedrooms

\_\_\_\_\_ Water fixtures

**10. Septic Approval**  Approval Obtained (See submitted copy of approval)

**11. CSA or other Approval No. on Fuel Burning Application:** \_\_\_\_\_

**12. Chimney**  Existing  New

CSA or other Approval No. on Fuel Burning Appliance: \_\_\_\_\_

**For New Construction Only:**

**13. Parking:**

Number of (outdoor) parking spaces: \_\_\_\_\_

Distance from parking spaces/area to lot lines (viewed from road)

Left Side Yd \_\_\_\_\_ ft.

Right Side Yd \_\_\_\_\_ ft.

Rear Yd \_\_\_\_\_ ft.

Front Yd \_\_\_\_\_ ft.

N/A (no new residential dwelling)

**14. Access:**

Distance from edges of driveway to lot lines

Left Side \_\_\_\_\_ ft. Right Side \_\_\_\_\_ ft.;  N/A (no new residential dwelling)

Entrance approval  Received (copy enclosed)  Pending



# Township of Drummond/North Elmsley

310 Port Elmsley Road  
RR #5, Perth, Ontario K7H 3C7  
cbo@dnetownship.ca

Office 613-267-6500  
Fax 613-267-2083

**IMPORTANT: If Site Plan is not included complete this form.....**

## SITE SKETCH/PLAN

1. Dimensions of:  
Proposed Structure: Length \_\_\_\_\_, Width \_\_\_\_\_, Height \_\_\_\_\_, Area Sq. Ft. \_\_\_\_\_  
Deck: Length \_\_\_\_\_, Width \_\_\_\_\_, Height \_\_\_\_\_,  N/A
2. Setbacks From Proposed Structure to Lot Lines:
3. Left Side Yd: \_\_\_\_\_ ft., Right Side Yd: \_\_\_\_\_ ft., Rear Yd: \_\_\_\_\_ ft., Front Yd: \_\_\_\_\_
4. Lot Dimensions:  
Lot Area: \_\_\_\_\_ acres  $\pm$ ; Lot Size \_\_\_\_\_ ft. x \_\_\_\_\_ ft.  $\pm$
5. Is this a Corner Lot?  YES  NO
6. Has this property been designated under the Ontario Heritage Act?  YES  NO

**\*\*Include on site sketch for existing and proposed structures, (as appropriate)\*\*:**

- |                  |   |   |
|------------------|---|---|
| 1) Distances to: | <input type="checkbox"/> all lot lines              | 2) <input type="checkbox"/> road location     |
|                  | <input type="checkbox"/> septic (tank and tile bed) | 3) <input type="checkbox"/> number of storeys |
|                  | <input type="checkbox"/> well                       | 4) <input type="checkbox"/> dimensions        |
|                  |   | 5) <input type="checkbox"/> area (sq. ft.)    |

**For New Residential, Addition, or Renovation complete the next three pages.:**



# 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 is completed by the person responsible for the energy efficiency design of the project, and must be submitted with the building permit application. The information on this form MUST reflect the drawings and specifications being submitted, or the building permit will 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](http://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 (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.

## AIRTIGHTNESS REQUIREMENTS FOR 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. A blower door test to verify the air tightness of the house must be conducted during construction if the *NRCan EnerGuide80* option is used, or if the *SB-12 Performance* or *Energy Star* options are 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.

## 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.

# Energy Efficiency Design Summary

(Part 9 Residential)

This form to be completed & signed by the person who reviews and takes responsibility for the energy efficiency design of the project  
Information on completing this form is contained on the reverse

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

<input type="checkbox"/> <i>SB-12 Prescriptive</i> [SB-12-2.1.1.]	Table:	Package:
<input type="checkbox"/> <i>SB-12 Performance*</i> [SB-12- 2.1.2.1	• Attach energy performance calculations using an approved software	
<input type="checkbox"/> <i>Energy Star®*</i> [SB-12- 2.1.3.]	• Attach BOP form. House must be labeled on completion by Energy Star	
<input type="checkbox"/> <i>EnerGuide 80®*</i>	• House must be evaluated by NRCan advisor and meet a rating of 80	

## C. Project Design Conditions

Climatic Zone(JSB*1):'	Heating Equipment Efficiency	Space Heating Fuel Source
<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"/> Zone 2 (≥ 5000 degree days)	<input type="checkbox"/> ≥ 78% < 90% AFUE	<input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Earth Energy
Windows + Skylights + Glass Doors		Other Building Conditions
Gross Wall Area =      m <sup>2</sup>	% Windows + ____%	<input type="checkbox"/> ICF Basement <input type="checkbox"/> Walkout Basement <input type="checkbox"/> Log/Post&Beam
Gross Window + Area =      m <sup>2</sup>		<input type="checkbox"/> ICF Above Grade <input type="checkbox"/> Slab-on-ground

## D. Building Specifications

Building Component	RSI//R values	Building Component	Efficiency Ratings
<b>Thermal Insulation</b>		<b>Windows &amp; Doors</b>	
Ceiling with Attic Space		Windows/Sliding Glass Doors	
Ceiling without Attic Space		Skylights	
Exposed Floor		<b>Mechanicals</b>	
Walls Above Grade		Space Heating Equip <sup>2</sup>	
Basement Walls		HRV Efficiency (%)	
Slab (all >600mm below grade)		DHW Heater (EF)	
Slab (edge only ≤ 600mm below grade)		NOTES	
Slab (all ≤ 60Dmm below grade, or heated)		1. Provide U-Value in W/m2.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 (1GJ=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 change

*Energy Star*. BOP form attached. The house will be labeled on completion by:

*Energy Star* and *EnerGuide80*:

Evaluator/Advisor/Rater Name:

Evaluator/Advisor/Rater Licence#:

## F. Declaration [by the person who reviews and takes responsibility for the energy efficiency design]

I certify that I have reviewed the design documents submitted with the permit application, that the information contained on this form is consistent with the design documents, and that information used in any annual energy use calculations, if applicable, is the true representation of the design documents.

Name

Signature

Date:

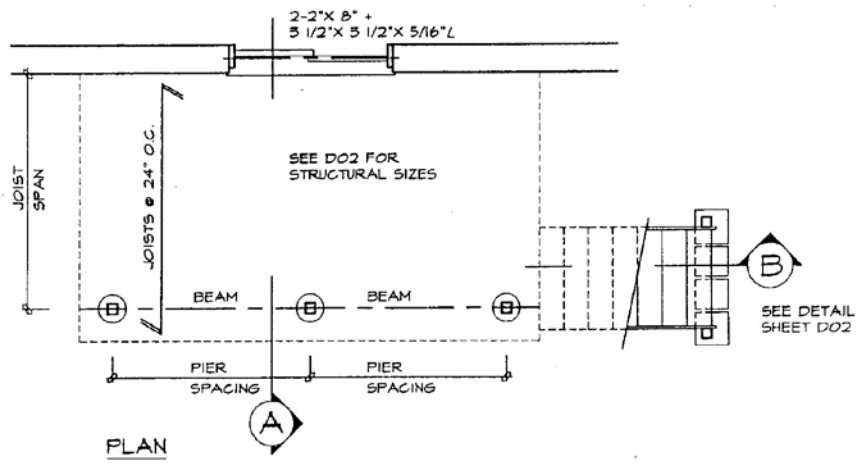
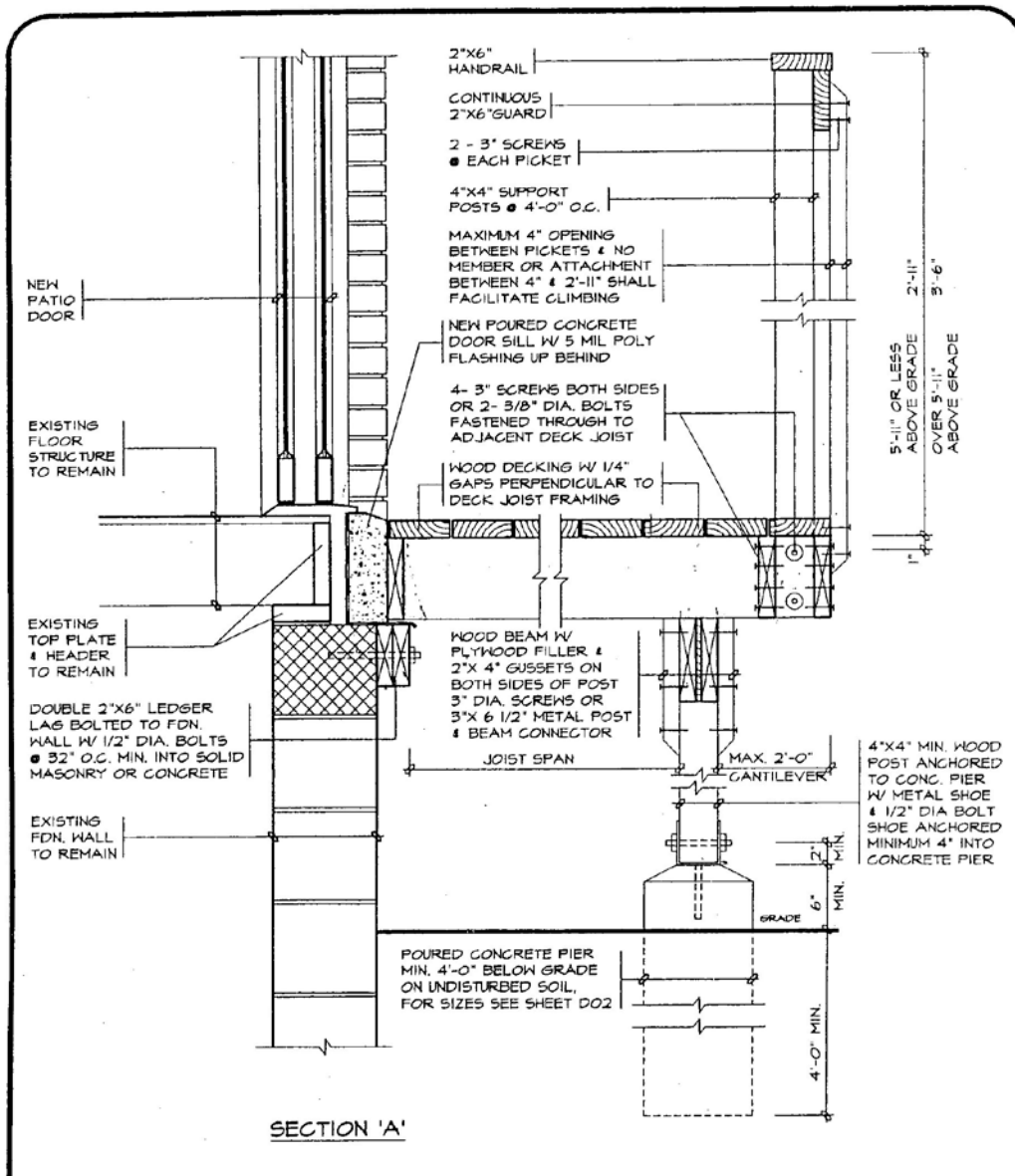
Table 3.1.1.2.A (IP)  
**ZONE 1 - Compliance Packages for Space Heating Equipment with AFUE  $\geq$  92%**  
 Forming Part of Sentence 3.1.1.2.(1)

Component	Thermal Values <sup>(1)</sup>	Compliance Package					
		A1	A2	A3	A4	A5	A6
Ceiling with Attic Space	Min. Nominal R <sup>(2)</sup>	60	60	50	60	50	60
	Max. U <sup>(2)</sup>	0.017	0.017	0.020	0.017	0.020	0.017
	Min. Effective R <sup>(2)</sup>	59.22	59.22	49.23	59.22	49.23	59.22
Ceiling Without Attic Space	Min. Nominal R <sup>(2)</sup>	31	31	31	31	31	31
	Max. U <sup>(2)</sup>	0.036	0.036	0.036	0.036	0.036	0.036
	Min. Effective R <sup>(2)</sup>	27.65	27.65	27.65	27.65	27.65	27.65
Exposed Floor	Min. Nominal R <sup>(2)</sup>	31	31	35	31	35	31
	Max. U <sup>(2)</sup>	0.034	0.034	0.031	0.034	0.031	0.034
	Min. Effective R <sup>(2)</sup>	29.80	29.80	32.02	29.80	32.02	29.80
Walls Above Grade	Min. Nominal R <sup>(2)</sup>	22	19 + 5 ci	14 + 7.5 ci	22 + 5 ci	19 + 5 ci	22 + 5 ci
	Max. U <sup>(2)</sup>	0.059	0.049	0.054	0.047	0.049	0.047
	Min. Effective R <sup>(2)</sup>	17.03	20.32	18.62	21.40	20.32	21.40
Basement Walls <sup>(5)</sup>	Min. Nominal R <sup>(2)</sup>	20 ci	12 + 10 ci	20 ci	20 ci	12 + 5 ci	20 ci
	Max. U <sup>(2)</sup>	0.047	0.048	0.047	0.047	0.063	0.047
	Min. Effective R <sup>(2)</sup>	21.12	20.84	21.12	21.12	15.96	21.12
Below Grade Slab Entire Surface > 600 mm Below Grade	Min. Nominal R <sup>(2)</sup>	—	—	—	—	—	—
	Max. U <sup>(2)</sup>	—	—	—	—	—	—
	Min. Effective R <sup>(2)</sup>	—	—	—	—	—	—
Heated Slab or Slab $\leq$ 600 mm Below Grade	Min. Nominal R <sup>(2)</sup>	10	10	10	10	10	10
	Max. U <sup>(2)</sup>	0.090	0.090	0.090	0.090	0.090	0.090
	Min. Effective R <sup>(2)</sup>	11.13	11.13	11.13	11.13	11.13	11.13
Edge of Below Grade Slab $\leq$ 600 mm Below Grade	Min. Nominal R <sup>(2)</sup>	10	10	10	10	10	10
	Max. U <sup>(2)</sup>	0.28	0.28	0.25 --	0.28	0.28	0.28
Windows and Sliding Glass Doors	Energy Rating	25	25	29	25	25	25
	Max. U <sup>(2)</sup>	0.49	0.49	0.49	0.49	0.49	0.49
Skylights	Max. U <sup>(2)</sup>	0.49	0.49	0.49	0.49	0.49	0.49
Space Heating Equipment	Min. AFUE	98%	96%	94%	96%	94%	92%
HRV	Min. SRE	75%	75%	81%	75%	70%	65%
Domestic Water Heater <sup>(7)</sup>	Min. EF	0.80	0.70	0.67	0.67	0.80	0.80
Column 1	2	3	4	5	6	7	8

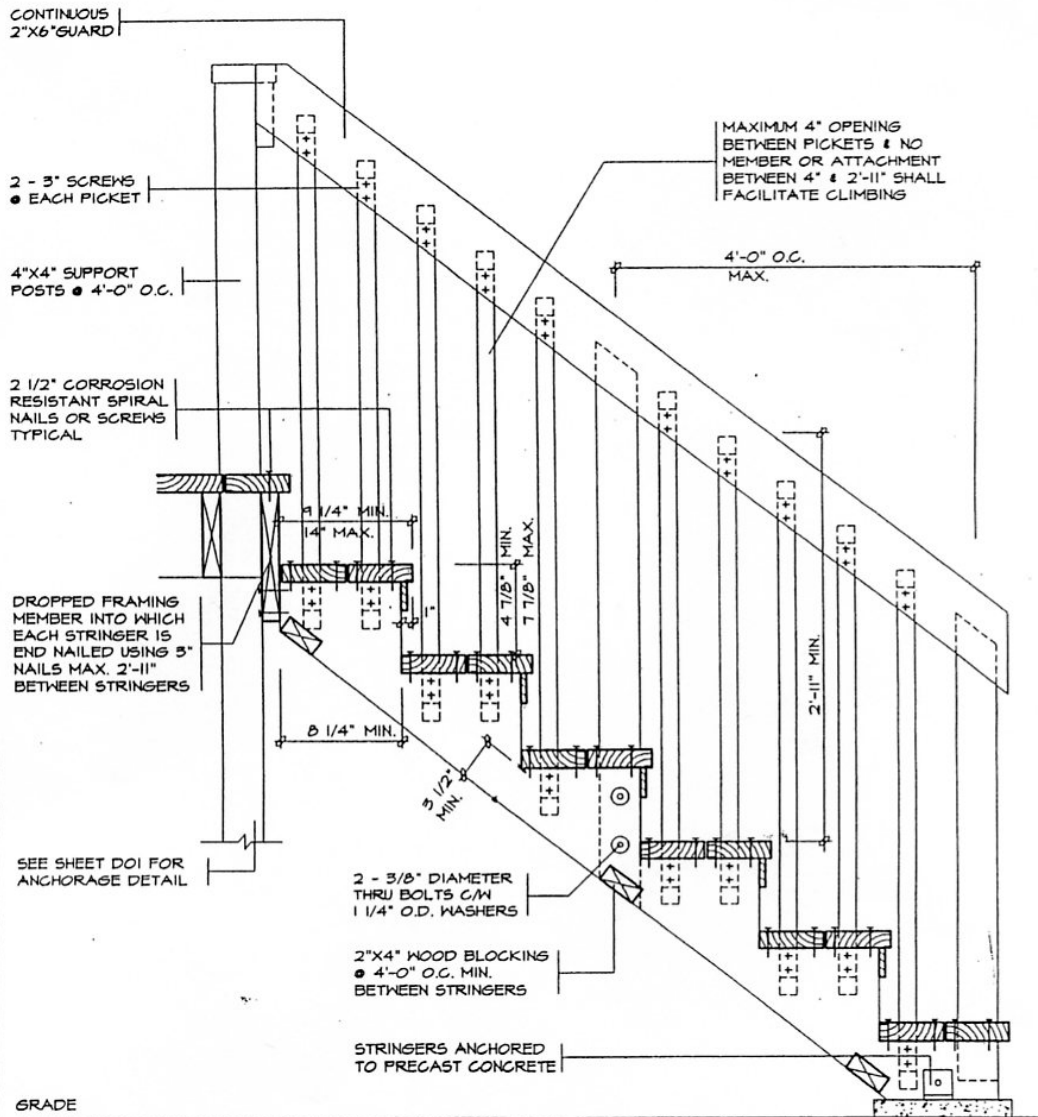
**Notes to Table 3.1.1.2.A (IP):**

- (1) The values listed are minimum Nominal R-Values for the thermal insulation component only.
- (2) U-Value and effective R value shall include entire ceiling assembly components, from interior air film to vented space air film above insulation.
- (3) U-Value and effective R value shall include entire exposed floor or above grade wall assembly components, from interior air film to exterior air film.
- (4) U-Value and effective R value shall include entire basement wall or slab assembly components and interior air film.
- (5) U-Value is the overall coefficient of heat transfer for a window assembly, sliding glass door assembly or skylight assembly expressed in  $\text{Btu}/(\text{h}\cdot\text{ft}^2\cdot\text{F})$ .
- (6) In the case of basement wall assemblies, where R20 ci is required R12 + 10 ci is permitted to be used or vice versa; or where R12 + 5 ci is required, R15 ci is permitted to be used or vice versa.
- (7) If an EF of a water tank is not indicated in a compliance package, there is no EF requirement for water tank for that specific compliance package.
- (8) Nominal and effective R values are expressed in  $(\text{h}\cdot\text{ft}^2\cdot\text{F})/\text{Btu}$ . U-Values are expressed in  $\text{Btu}/(\text{h}\cdot\text{ft}^2\cdot\text{F})$ .

# DECK INFORMATION



<p>WOOD DECK PLAN &amp; SECTION</p>	PERMIT APPLICATION NO.	REVIEWED BY:	DWG. NO. <b>D01</b> 07-98
		DATE:	



**SECTION 'B'** Note: The vertical height between handrails shall not exceed 12'2" (Height of handrail at top measured to grade)

**GENERAL NOTES**

1. SITE PLAN OR SURVEY IS REQUIRED SHOWING ALL LOT LINES & DIMENSIONS SIZE & LOCATION OF ALL EXISTING BUILDINGS, LOCATION & SIZE OF DECK
2. LUMBER NO. 2 SFF OR BETTER. WOOD POSTS MIN. 4"x4" (SOLID). USE CORROSION RESISTANT SPIRAL NAILS OR SCREWS.
3. DECK IS NOT PERMITTED TO BE SUPPORTED ON BRICK VENEER
4. CONCRETE PIERS SHALL BEAR ON UNDISTURBED SOIL. THE BEARING CAPACITY OF THE SOIL SHALL BE DETERMINED PRIOR TO CONSTRUCTION
5. PROVIDE A HANDRAIL 31"-35" HIGH ON STAIRS IF MORE THAN THREE RISERS. PROVIDE A GUARD ON BOTH SIDES IN ACCORDANCE W/ THE DETAIL ABOVE WHERE THE STAIR EXCEEDS 6 RISERS.

JOIST SPAN	PIER SIZE				BEAM SIZE				JOIST SIZE	
	PIER SPACING				PIER SPACING					
	4'	6'	8'	10'	4'	6'	8'	10'		
1500 PSF	6'	8'0"	10'0"	12'0"	14'0"	2/2"x6"	2/2"x6"	2/2"x8"	2/2"x10"	2"x6"
	8'	10'0"	12'0"	14'0"	16'0"	2/2"x6"	2/2"x8"	2/2"x10"	2/2"x12"	2"x6"
	10'	12'0"	14'0"	16'0"	18'0"	2/2"x6"	2/2"x8"	2/2"x10"	2/2"x12"	2"x8"
2500 PSF	6'	8'0"	10'0"	12'0"	14'0"	2/2"x6"	2/2"x6"	2/2"x8"	2/2"x10"	2"x6"
	8'	10'0"	12'0"	14'0"	16'0"	2/2"x6"	2/2"x8"	2/2"x10"	2/2"x12"	2"x6"
	10'	12'0"	14'0"	16'0"	18'0"	2/2"x6"	2/2"x8"	2/2"x10"	2/2"x12"	2"x8"
4000 PSF	6'	8'0"	10'0"	12'0"	14'0"	2/2"x6"	2/2"x6"	2/2"x8"	2/2"x10"	2"x6"
	8'	10'0"	12'0"	14'0"	16'0"	2/2"x6"	2/2"x8"	2/2"x10"	2/2"x12"	2"x6"
	10'	12'0"	14'0"	16'0"	18'0"	2/2"x6"	2/2"x8"	2/2"x10"	2/2"x12"	2"x8"

**WOOD DECK**

STAIR SECTION NOTES & TABLE

PERMIT APPLICATION NO. \_\_\_\_\_ REVIEWED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DWG. NO. **DO2**

07-98