



GUIDE to BUILDING PERMIT APPLICATION for DWELLINGS

This guide provides detailed information for builders or owners applying for a new 1 or 2 family dwelling Building Permit (BP) and as well some guidance for residential additions and alterations. All content must be read with reference to the following overriding documents: Building Regulations and Zoning Bylaws, 2018 BC Building Code (BCBC), BC Plumbing Code, and Homeowners Protection Act (HPO), and any other applicable regulation.

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This Guide is to assist you but must not be construed by the reader as a right to development approval, even if the steps indicated are followed. Consult BC legislation, applicable bylaws, especially Building/ Zoning, for full requirements, procedures, and policies.

#300 – 465 Victoria Street, Kamloops BC V2C 2A9

Phone: 250-377-8673 Toll free in BC: 1-877-377-8673 Fax: 250-372-5048

Website: www.tnrd.ca



Building Inspection Satellite Offices

Ashcroft 601 Bancroft

Tuesdays, 10 a.m. – 11 a.m.

Phone: 250-453-9161 Fax: 250-453-9964

Chase

826 Okanagan Avenue

Tuesdays/Thursdays, 10 a.m. - 11 a.m.

Phone: 250-679-3238 Fax: 250-679-3070

Clinton

1423 Cariboo Highway

2nd/4th Thursdays, 10:30 a.m. – 12 noon

Phone: 250-459-2261 Fax: 250-459-2227

Lytton

380 Main Street

1st Friday, 10:30 a.m. - 12 noon

Phone: 250-455-2355 Fax: 250-455-2142 Cache Creek

1389 Quartz Road

Tuesdays, 1 p.m. – 2 p.m. Phone: 250-457-6237 Fax: 250-457-9192

Clearwater

209 Dutch Lake Road

Tuesdays/Thursdays, 11 a.m. - 12 noon

Phone: 250-674-2257 Fax: 250-674-2173

Logan Lake

1 Opal Drive

Thursdays 9:30 a.m. - 11 a.m.

Phone: 250-523-6225 Fax: 250-523-6678

Merritt

Merritt City Hall 2185 Voght Street

Wednesdays, 10 a.m. - 11:30 a.m.

Office hours are subject to change.

Please make an appointment with the area inspector or TNRD for better service and extended consultation time.



Do I need a Building Permit? Or any other permit?

A building permit (BP) is required to:

- Construct a new home or install/place a manufactured home;
- Construct a new accessory building;
- Construct an addition to an existing dwelling, accessory bldg, or manufactured home;
- Undertake any interior work such as partitions, etc.;
- Construct a sundeck, porch or roof;
- Construct a retaining wall more than 1.2 metres (4 feet) in height;
- Move a building or demolish a building; and
- Change the occupancy or use of a building or part thereof.

Also, to construct commercial, industrial, or public use buildings however this guide focusses on dwellings

Building permit application exemptions (also see applicable municipal bylaw):

- If you have a primary bldg on the parcel (i.e. a house), then you can erect an accessory building (meaning NOT a small dwelling) with a gross building area of less than:
 - √ 10 square metres (107 sq. ft.) in municipalities;
 - √ 20 square metres (215 sq. ft.) in the TNRD;
 - ✓ 55 square metres (592 sq. ft.) in the TNRD for AF-1, RL-1, SH-1 or CR-1 zones;
- 600 square meters (6465 sq. ft.) in the TNRD for some (not all) agricultural bldgs <u>but</u> only on Class 9 Farm assessed land.

Even if you do <u>not</u> need a BP, you must meet setbacks, zoning, and other regulations! **Call us!**

Additional submissions:

Plumbing Permit is required for installation or relocation of <u>any</u> plumbing fixtures.

Plumbing permits are only issued to a qualified tradesperson - with the exception that if a homeowner is doing their own plumbing, they MUST submit a plumbing schematic drawing for TNRD review and approval.

Demolition Permit is required for the demolition of any building(s). Permit approval is required prior to any demolition commencing and the applicant must provide authorized verification that all appropriate utilities have been disconnected prior to demolition.

Contaminated Sites: building which involves <u>any</u> excavation must submit a *Site Disclosure Statement* which discloses the history of the land, specifically if ANY of the commercial or industrial uses/activities on the Prov Gov list (called *Schedule 2*) took place. See the BP application form or the Ministry website for more info: <u>Contaminated sites - Province of British Columbia (gov.bc.ca)</u>



How does the application review and processing work?

Your Building Permit Application is processed and reviewed as follows:

- 1. If you are <u>not</u> an experienced HPO licensed contractor, you are urged to book a time to meet with 1) a Building Inspector who determines the acceptability of building plans and other required submissions; and 2) a Planner who confirms setbacks, land use, zoning, and various provincial legislation such as Floodplain, Riparian Regulation, etc. This will help you and save frustration.
- 2. Compile <u>all</u> the necessary submissions.
- 3. Submit a complete application (see page 5 for checklist).
- 4. Your application is reviewed by Planning for compliance with Zoning, including the following:
 - proposed use & density
 - building height & setbacks
 - floor space ratio/site coverage
 - off-street parking & loading
 - accessory buildings
 - setbacks from watercourses
 - setback for flood plain

Incomplete applications prolong processing & waste everyone's time. Deficiencies noted during the review will be conveyed to the applicant asap. These must address and correct deficiencies prior to issuance of a permit.



- 5. If your application is within a municipality, it is referred there for their review. This typically includes zoning, water/sewer/storm connections, development cost charges (DCCs), and any particular requirements for the given municipality.
- 6. Building Inspector completes a plan review of the construction drawings for compliance with the BC Building Code and Building Bylaw 2066 (or the member municipal Building Bylaw) and related provincial regulations. This includes your submission of the following:
 - Calculations of Energy Utilization for all new house applications (see page 16)
 - Spatial Separation Calculations must be provided with the drawings (see page 17)
 - Homeowner Protection Act registration (see page 18)
- 7. Permit is prepared for issuance, inc. fee calculation; list of required inspections that you must call for; important conditions you must abide with; and in some case additional items/action that will be necessary as you progress with construction.
- 8. You are called to pick up and pay for your Building Permit.

If structural/siting changes are made <u>after</u> your permit is issued, call us or talk to your inspector. You may need to submit for a revision and re-plan check.



What do I need to submit to the TNRD?



Building Inspection Department 300-465 Victoria Street Kamloops, BC | V2C 2A0

T 250.377.8673 E building@tnrd.ca tnrd.ca

SINGLE FAMILY DWELLING APPLICATION CHECKLIST

See next page for an explanatory guide to this checklist.

DWELLING APPLICATION REQUIREMENTS

ADDITIONAL PERMITS THAT MAY BE REQUIRED

DEM	OLITION APPLICATION		
	Application (use same form as Building permit application)		
	Corporate Registration/summary (if required)		
	Demolition permit fee (\$50) & deposit as applicable		
	Site plans (two copies)		
	Building demolition form (confirmation of utility disconnection)		
PLUI	MBING PERMIT		
	Plumbing permit application*		
	Plumbing permit fees		
* Typically TQ plumbers apply for this permit. If owner applies for this permit, please provide a plumbing schematic for inspector review. **Required engineered drawings <u>must</u> accompany application package at time of submittal. In addition to Schedule B, we require a copy of the Letter of Assurance and Registered Professional's Proof of Insurance. ***Building Permit fee is based on construction value.			
	TAMINATED SITES & CONSTRUCTION		
Under BC Law, Building Permits which involves <u>any</u> excavation must submit a Site Disclosure Statement which discloses the			
history of the land, specifically if ANY of the commercial or			
indus	trial uses/activities on the Prov Gov list (called Schedule 2)		

Schedule 2: Contaminated Sites Regulation -

test that none of these activities happened ay opt to complete the Contaminated Site e 2 of the BP application. Otherwise they Schedule 1 Site Disclosure Statement. For to: Contaminated Sites - Province of BC

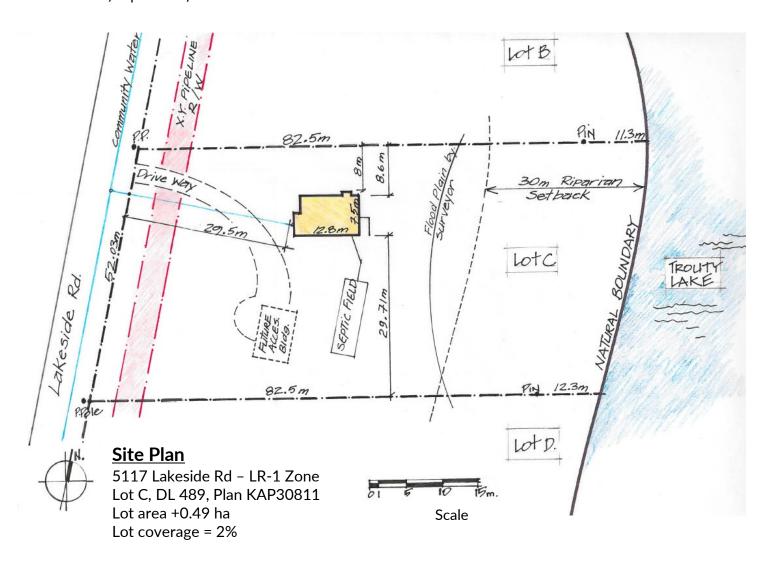
See our website for a printable copy of this and other checklists!



What are construction drawing requirements?

Site Plan to include the following:

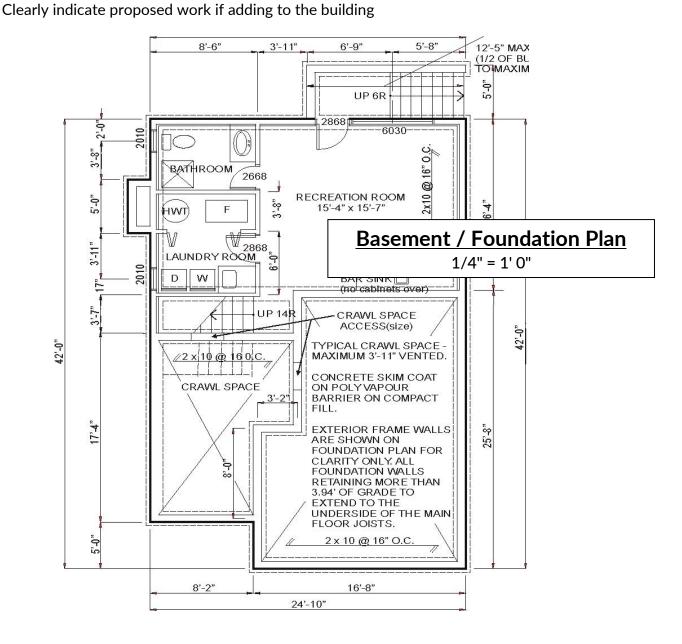
- □ Drawn to scale not less than 1:500 and north arrow
 □ Address or Legal Description of parcel
 □ Dimensions of parcel
 □ Any right-of-ways, registered easements, geotechnical covenant areas, and/or encroachments
 □ Indicate all major topographic features and watercourses/lakes/etc.
 □ Street/lane names and locations and existing or proposed driveway location and width
 □ Size and location of parking (esp. in urban sites)
- □ Dimensions of all setbacks, measured from the property line, including front, side and rear yard
 □ Indicate limiting distance for required fire separations (see page 17)
- ☐ Dimensions of principal and any accessory buildings (if BP is for an addition, clearly show extent)
- ☐ Community/municipal water, storm and sanitary connection size and location to property line(s)
- ☐ If rural, septic tank/field location and well



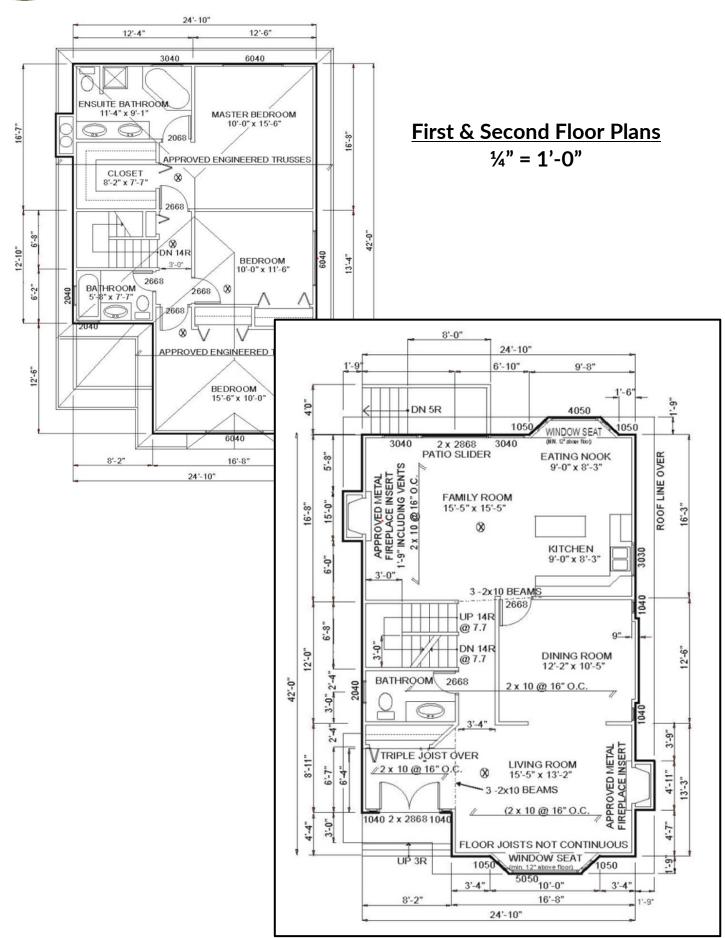


Floor Plans include the following:

Scale not less than 1/4" = 1'0" (1:50) Indicate all outside floor dimensions Indicate all room uses / dimensions, including finished/unfinished areas Indicate stair details (rise/run, width, handrails, headroom, etc.) Indicate door, window and skylight locations and dimensions (inc. bdrms for exiting) Indicate construction of wall assemblies and fire separations Highlight shear walls and cross reference with specific details Indicate plumbing fixtures Indicate the locations of all smoke alarms and CO₂ detectors on all floors Indicate direction, location and size of all joists, beams, lintels, girders, girder supports & trusses Note all sloped ceilings and advise to see cross section notes Indicate location and dimensions of any chimneys including vents, bay windows & similar







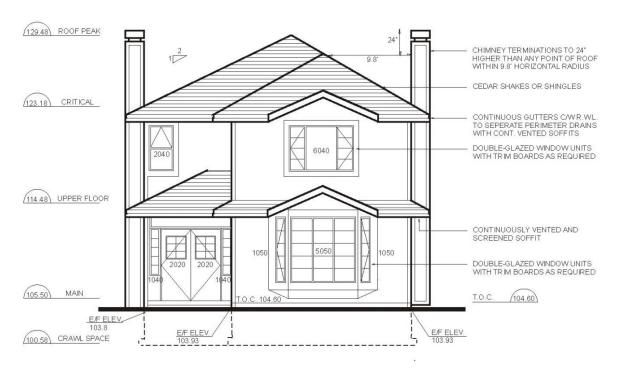


Ele	evations to include the following:
	Scale not less than 1/4" = 1' 0" (1:50)
	New buildings - all four elevations (front, rear and two sides)
	Additions/exterior alterations - sufficient elevations to adequately represent changes
	Exterior cladding/ finish details and material
	Floor levels showing height above/below finished grade inc. at window/door wells
	Elevation at top of wall under the eaves may be required to calculate exposed
	building face
	Dimensions of any exterior guards and guard details
	Location and sizes of all windows, doors and skylights inc. safety glass where required
	Roof pitch and roofing material and eave overhang dimensions
De t	tails / Cross sections* to include the following:
	Scale not less than 1/4" = 1' 0" (1:50)
	Stair dimensions - width, rise, run PLUS height & location of handrails and guardrails
	Ceiling height of crawl spaces and all habitable floors (floor to ceiling)
	Height of all half storeys (floor areas with a minimum ceiling height of 4 ft)
	Wall, floor, roof and/or ceiling assemblies
	Indicate fire and/or sound separations between principal dwelling unit & secondary
	suite & two family dwellings, indicate assemblies at party wall.
	Bay window and window well details
	Crawl space details, showing ventilation and access including size of access door
	Insulation, vapour barriers, damp proofing and waterproofing details
	Lintel, beam, joist and stud sizes including spacing and lumber grade
	Prefabricated roof trusses/ laminated wood or other beams (2 sets -signed and sealed
	by professional engineer registered in BC)
	Details of prefabricated fireplaces/chimneys (CSA approved)
	For attached carports/garages - detail of fire/smoke/gas barrier, door closures, etc.
	Details of pony walls that need reinforcement to withstand lateral movement
	Shear walls should be cross referenced on the floor plan

*More than one cross section may be required, particularly if the lot is sloped or the dwelling is large/complex.





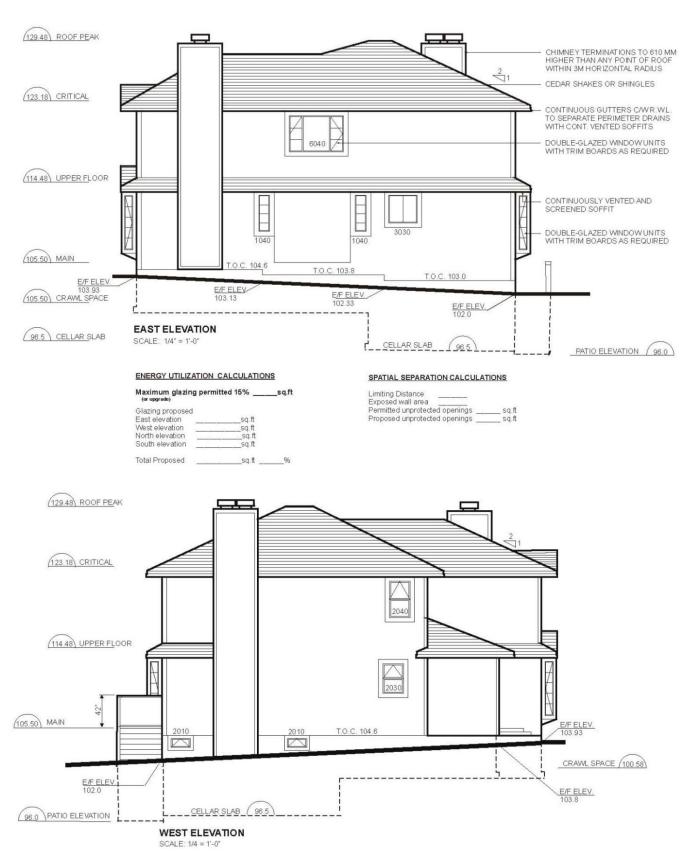


SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

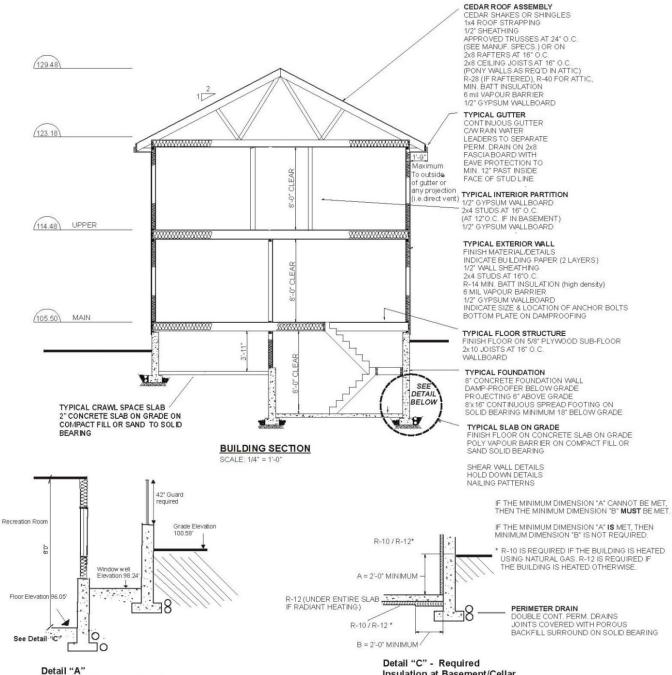
Elevation Plans





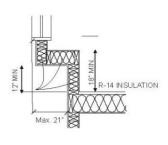
Elevation Plans



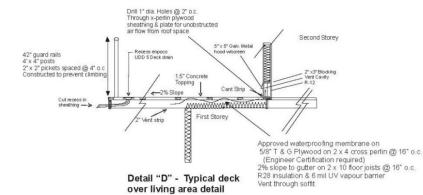


Typical Window well detail

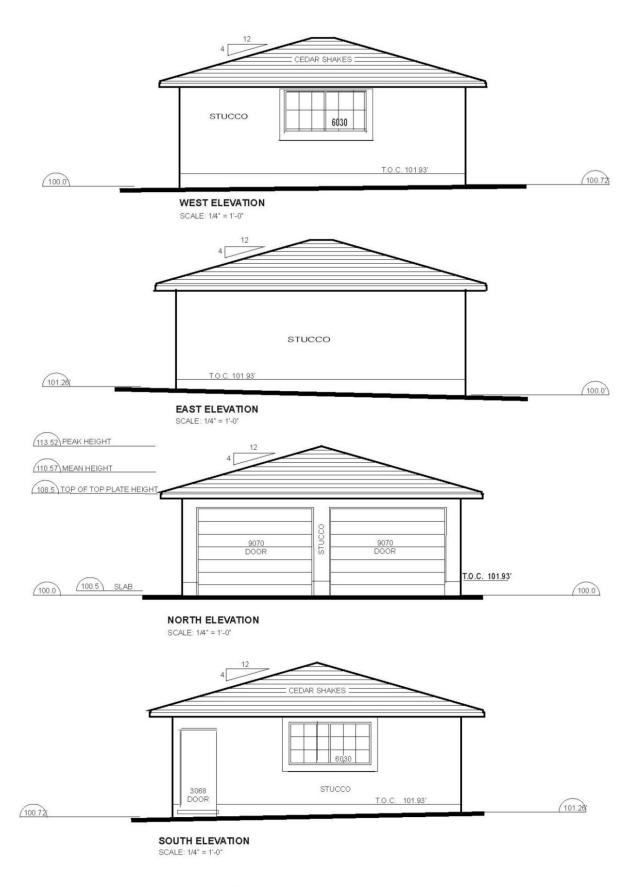
Insulation at Basement/Cellar



Detail "B" Typical Bay Window

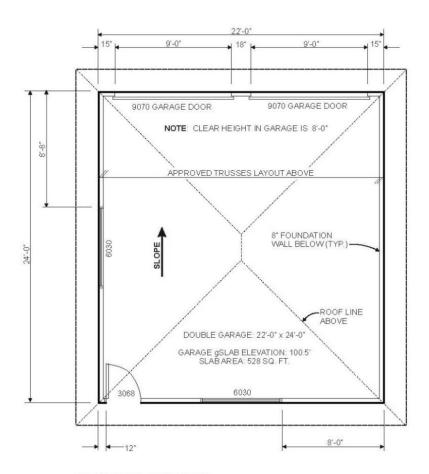






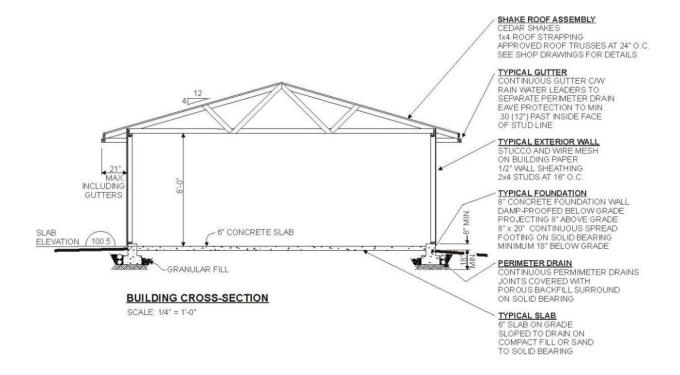
GARAGE ELEVATION PLANS





GARAGE FLOOR PLAN

SCALE: 1/4" = 1'-0"





What types of building inspections are required?

It is the **responsibility** of the **owner/contractor** to give minimum **24 hours** notice to Building Inspection Services for booking an inspection request. Your Permit Number must be quoted when requesting an inspection, and the owner/contractor is to ensure that the TNRD Building Permit Placard is posted in a visible place such as the driveway entrance. The following inspections are typically required and **must** be called for (see your permit for the list of required inspections for your particular permit):

1. SITING AND FORMWORK

When the forms for footings are complete, but prior to pouring any concrete therein.

3. UNDERSLAB DAMPPROOFING/ SOIL GAS CONTROL

When concrete slab damp proofing or soil gas (e.g. radon) control measures have been installed, but prior to pouring a concrete slab.

5. FRAMING

When framing and sheathing of the building are complete, including the installation of roof membrane, all exterior doors and windows, firestopping, bracing, chimneys, duct work, plumbing, gas venting and wiring, but before any insulation, drywall or other interior or exterior finish is applied.

7. STUCCO LATH (if applicable)

When exterior stucco wire and flashing is complete but prior to placement of any scratch coat thereon.

9. MASONRY FIREPLACE/CHIMNEY

During the construction of a masonry fireplace, when cantilevered hearth forms are in place but prior to pouring concrete; at the smoke chamber stage; for a free-standing masonry chimney, at the thimble stage; before any factory-built or site constructed fireplace or chimney is enclosed by combustible material; and before the chimney cap is placed on a masonry chimney.

2. UNDERSLAB PLUMBING

When the rough-in plumbing system, including interior water supply and drain waste and vent piping are complete, but before this plumbing is covered.

4. PRE-BACKFILL

When foundation concrete damp-proofing, water proofing and perimeter drains are complete, or after framing of a preserved wood foundation wall and floor assembly and application of damp-proofing, but prior to any backfill being placed.

6. ABOVESLAB PLUMBING

When the rough-in plumbing system, including interior water supply and drain waste and vent piping are complete, but before any such plumbing is covered.

8. INSULATION

When insulation and vapour barrier are complete *but prior to concealing with any finishes*.

10. FINAL INSPECTION

When all work is completed but prior to occupancy.



If an inspection is requested but the relevant work is incomplete, a \$50 re-inspection fee is charged before further inspections are done.



How do I calculate Energy Efficiency or Effective RSI?

BCBC s. 9.36 requires that a certain level of energy efficiency is achieved but does not prescribe how you get there – i.e. *it is a performance standard*. For example, you can meet it thru a combination of heat recovery ventilation, triple paned windows, and/or the most common approach: extra insulation in walls and roofs or thermal resistance (RSI). The requirements change by climate zone. There is more than one climate zone in the TNRD thus minimum specification will vary.

If you propose to meet energy requirements via construction, you must submit RSI calculations for *all* exterior walls, foundation walls, roofs, floors over unheated spaces, garage/dwelling shared walls, by filling out the:

"9.36 Energy Efficiency Design Worksheet"

To help you, we have compiled most of the data you will need to complete this worksheet and provided you RSI totals for the most common wall, foundation, and roof assemblies. An example from this worksheet of an exterior wall follows:

2×6 framing filled with R22 batt @ 24" o.c.									
		VINYL SIDING		CEMENT FIBRE		WOOD SIDING		STUCCO	
WALL ASSEMBLY COMPONENTS:		RSI	R	RSI	R	RSI	R	RSI	R
1	exterior air film	0.03	0.17	0.03	0.17	0.03	0.17	0.03	0.17
2	Cladding (no air space) as noted in the heading	0.11	0.63	0.03	0.17	0.14	0.80	0.02	0.11
3	asphalt impregnated paper2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	7/16" (11.1 mm) OSB sheathing	0.11	0.63	0.11	0.63	0.11	0.63	0.11	0.63
5	2×6 framing filled with R22 batt @ 24 " o.c.	2.67	15.18	2.67	15.18	2.67	15.18	2.67	15.18
6	polyethylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	1/2" (12.7 mm) gypsum board	0.08	0.45	0.08	0.45	0.08	0.45	0.08	0.45
8	finish: 1 coat latex primer and latex paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	interior air film	0.12	0.68	0.12	0.68	0.12	0.68	0.12	0.68
Effective RSI / R Value of Entire Assembly		3.12	17.74	3,04	17.28	3.15	17.91	3.03	17.23
With HRV		3.12	17.74	3.04	17.28	3.15	17.91	3.03	17.23

RED values do not comply with minimum code requirements **GREEN** values comply with minimum code requirements

For the complete worksheet go to our website or click on the link at:

Building Code Changes Dealing With Energy Efficiency

Submit a completed worksheet with your BP application. Alternatively, you may hire a qualified person (typically an *Energy Efficiency Consultant*) to undertake energy modelling, unique to your project, and submit their report with your application.



How do I calculate limiting distance for required fire separations?

The BCBC requires a **spatial separation** for fire spread between buildings on adjacent properties. To calculate this spatial separation or *limiting distance* you must calculate the **total area of all unprotected openings** such as windows, patio doors, and door glazing, vents, etc. This total is then limited as a % of the total exposed area of that elevation. This typically impacts side elevations where dwellings are nearer property lines but it can even affect you in cases where you have a 32 ft/10m setback. A side elevation with a setback of 4 ft /1.2 metres, or less, will <u>not</u> be allowed openings (this includes soffit venting) and will require a fire rating. This is what you need to submit:

- what is limiting distance to property line (setback at closest point of prop. line)
- area of exterior wall from grade to soffit or underside of upper most ceiling
- calculate total area of all windows (unprotected openings)
- calculate what the % of wall that it comprises





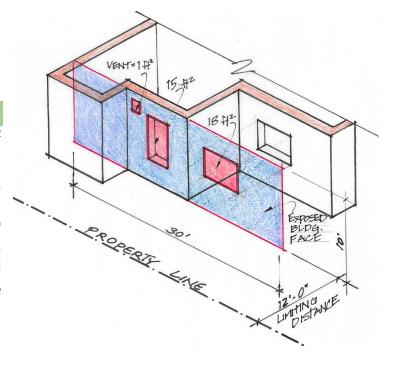
Where there is NO full time fire department that can get to your property within 10 minutes, 90% of the time, your allowed unprotected openings and need for fire rating are calculated at ½ of the actual limiting distance.

Exposed Building Face is calculated as if the side facing the property line was a continuous flat surface from grade to the underside of the upper most ceiling.

For example:

Area of wall face $30 \text{ ft x } 10 \text{ ft} = 300 \text{ ft}^2$ Area of openings $1\text{ft}^2 + 15\text{ft}^2 + 18\text{ft}^2 = 34 \text{ ft}^2$ $34 \text{ ft}^2 \div 300 \text{ ft}^2 = 11.3\%$

Note the 12ft limiting distance would be halved to 6ft if fire fighting response is over 10 minutes. TNRD will calculate to ensure you do not exceed the allowed openings. In this example one of the openings would have to be reduced by ~2ft².





Does the HPO or Homeowner Protection Act affect my application?

The Homeowner Protection Office is responsible to ensure the builder, be it a licenced contractor or an owner-builder, remains responsible for certain aspects of the work for a prescribed number of years. A licensed contractor must carry insurance for this and an owner-builder remains personally liable for up to 10 years upon occupancy.

The following outlines some general points only:

- All new homes or substantially rebuild/extended homes (i.e.75%) must be enrolled in home warrantee insurance BEFORE TNRD can issue a Building Permit
- The warrantee period (commencing at occupancy permit date) includes 2 years on labour/material; 5 years on bldg envelope; 10 years on structure qualifying some limits to coverage and exclusions (note rules differ for strata developments)
- Any owner-built home requires a more extensive enrollment process, including prescreening by HPO; application; scoring >70% on the Owner-Builder Exam; and disclosure requirements if HPO allows the dwelling to be sold during the warrantee period
- Details including construction, subtrades, warranty provider, civic, legal, and PID must all be filed in the HPO Registry and then updated at the completion of the project
- HPO Registry is tied to Land Title Office thus if a property conveys this is flagged
- See the BC Housing website for all the specific regulations on selling a owner-built home
- Go to this website to the "Legal" page for compliance case studies, enforcement registry, to report a violation and for the complete Act and Regulation

For full and up to date info go to: <u>Licensing & Consumer Services (bchousing.org)</u>



On Mar. 6, 2019 changes were passed to Homeowner Protection Act regs



What if I don't get a permit or I do not call for required inspections?

Penalties for not obtaining a Building Permit or not calling for required inspections and then covering work or for occupying a dwelling or other building are set out in the Building Regulations Bylaw and include:

- 1. Every person violating any provision of the Building Regulations Bylaw commits an offence punishable on summary conviction to a fine between \$100 and \$10,000 or to imprisonment of not more than 6 months for each offence.
- 2. Where construction commences *prior to Building Permit issuance* and a Stop Work Order is issued, Building Permit fee is doubled to a maximum penalty of \$2000.
- 3. Where the occupancy of a building (even if you have a Building Permit) occurs prior to issuance of an *Occupancy Certificate*, a ticket or a notice may be issued for a \$200 penalty for each individual day of occupancy occurrence.
- 4. As enabled by legislation, s. 57 Bylaw Contravention Notice may be filed against your Land Title advising future purchasers, insurers, and lenders that a building violation exists or that building without a permit has occurred (see the TNRD s.57 FAQ sheet).
- 5. And finally, a *Court of Law* may order an owner to achieve compliance with TNRD Bylaws or provincial law. This has included an order to demolish all or a part of a building.

If you did <u>not</u> obtain a Building Permit and even if no enforcement followed, when any property is listed the BIR records will show that it was constructed unlawfully.





What other agencies are involved?

HPO BC Housing – Licensing & Consumer Services

The Homeowner Protection Act governs application for new residential and major additions/renovations construction. Please contact their office to obtain regulations and information.

Licensing & Consumer Services Tel: (604) 646-7050 Suite 203-4555 Kingsway Fax: (604) 646-7051

Burnaby BC V5H 4T8 Toll Free in BC: 1-800-407-7757

E-Mail: <u>licensinginfo@bchousing.org</u>

Website: Licensing & Consumer Services (bchousing.org)

INTERIOR HEALTH (IH)

Approval is required by way of a *Registered On-Site Wastewater Practitioner* (ROWP) for the installation of a sewage disposal system where community sanitary facilities are not available. Approval may also be required when additional bedrooms and/or floor area are being added to an existing dwelling.

519 Columbia Street, Kamloops, V2C 2T8
Tel: 250-851-7340 Fax: 250-851-7341

Satellite offices are also located in the following communities:

700 Ashcroft-Cache Creek Hwy, Ashcroft	Tel: 250-453-1940
4537 Barriere Town Road, Barriere	Tel: 250-672-5515
640 Park Drive, Clearwater	Tel: 250-674-3141

2185 Voght Street, Merritt

555 Cedar Avenue, 100 Mile House Tel: 250-395-7676

FISHERIES & OCEANS CANADA

If construction is contemplated for a site near any watercourse, contact Fisheries & Oceans Canada for regulations and guidelines.

985 McGill Place, Kamloops, V2C 6X6 Tel: 250-851-4950

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (MoTI)

An access permit may be required. Contact your local MoTI office for information.

TECHNICAL SAFETY BC (ELECTRICAL & GAS PERMITS)

An electrical and/or gas permit may be required. Contact your local Technical Safety BC office (formerly BC Safety Authority) to obtain further information.

1278A Dalhousie Drive, Kamloops, BC, V2C 6G3 Tel: 1.866.566.7233

SITE DISCLOSURE STATEMENT under Contaminated Sites legislation info see link:
 Contaminated sites - Province of British Columbia (gov.bc.ca)