

THE CORPORATION OF THE DISTRICT OF BURNABY

BY-LAW NO. 4674

A BY-LAW to provide regulations for the construction, alteration, repair, demolition or removal of buildings and structures within the Municipality of Burnaby.

The Council of The Corporation of the District of Burnaby
ENACTS as follows:

1. This By-law may be cited as "BURNABY BUILDING BY-LAW 1964".
2. The National Building Code of Canada 1960 and amendments thereto (hereinafter called "the Building Code") is hereby adopted and made applicable within the Municipality to the extent provided in this By-law.
3. This By-law is divided into the following parts:
 - A. Definitions
 - B. Administration
 - C. Use and Occupancy
 - D. Design
 - E. Materials
 - F. Building Services
 - G. Construction Safety Measures
 - H. Housing

PART A

DEFINITIONS

4. (a) Part 2 of the Building Code is hereby adopted.
 - (b) "BUILDING INSPECTOR" means the person appointed from time to time by the Council as Chief Building Inspector of The Corporation of the District of Burnaby.
 - (c) "COUNCIL" means the Municipal Council of The Corporation of the District of Burnaby.
 - (d) "MUNICIPAL ENGINEER" means the person appointed from time to time by the Council as the Municipal Engineer of The Corporation of the District of Burnaby.

(e) "CORPORATION" means the Corporation of the District of Burnaby.

(f) "MUNICIPAL SOLICITOR" means the person appointed from time to time by the Council as the Municipal Solicitor of the Corporation of the District of Burnaby.

PART B

ADMINISTRATION

5(1) The Council may from time to time by resolution appoint a building inspector and assistants, whose duties it shall be to;

(a) administer this By-law; and

(b) keep proper records of all applications received, permits and orders issued, inspections and tests made, and shall retain copies of all papers and documents connected with the administration of his duties.

5(2) The building inspector may;

(a) enter any building or premises at any reasonable time for the purpose of administering or enforcing this By-law. Any person who shall deny admittance to or who obstructs, or interferes with the building inspector or his duly authorized representatives in the performance of his duties, shall be liable to the penalties hereby imposed;

(b) cause a written notice to be delivered to the owner of any property or to his agent whenever any building work is being done contrary to the provisions of this By-law. In such notice the building inspector shall direct the repair of the faulty work, but by such notice shall not cause other unaffected work to be held up.

(c) cause a written notice to be delivered to the owner of any property whenever any building work is being done contrary to the provisions of this By-law, in which notice the building inspector may direct the immediate suspension of all or

any portion of the work by attaching a notice to that effect on the premises thereof. Work thus suspended shall be stopped forthwith, and shall not be resumed without authority of the building inspector;

(d) whenever any work in connection with the building, erection, alteration, removal, demolition, is not in accordance with the provisions of this By-law, placard the said building with a notice that such building shall not be occupied until the work has been completed in accordance with this By-law;

(e) whenever any building or portion thereof which, by reason of accident, fire or other cause, is being maintained, occupied or used contrary to the provisions of this By-law order same to be discontinued or the building or portion thereof to be vacated. Service of the aforesaid notice shall be by registered mail or personal service upon the owner of such building or upon the person causing or responsible for such maintenance, occupancy or use. Compliance with such order shall be made within ten (10) days of receipt of the order or otherwise the building shall be vacated forthwith and it shall be unlawful for any person having knowledge of such order to use or occupy the building or portion of the building;

(f) whenever any building or structure or part thereof is erected or constructed contrary to the provisions of this By-law, or whenever any building or structure or part thereof by reason of accident, fire, decay or other cause becomes contrary to the provisions of this By-law and is in danger of collapsing or being a fire hazard or which endangers the surrounding property or lives of citizens, give thirty (30) days written notice specifying wherein such danger exists and requiring that such danger or nuisance be abated by removal or demolition of the said building, structure or part thereof. Service of the aforesaid notice shall be by registered mail or personal service upon the owner of the building or structure or his or her or its authorized agent and

such notice shall be effective upon receipt;

(g) direct that tests of materials, devices, construction, methods, structural assemblies or foundation conditions be made, or sufficient evidence or proof be submitted, at the expense of the owner, where such evidence or proof is necessary to determine whether the material, device, construction or foundation condition meets the requirements of this By-law;

(h) recommend to Council the revocation of or refuse to issue a permit where in his opinion the results of the tests referred to in clause (g) are not satisfactory.

6(1) Parts C to G of this By-law apply to all buildings other than those provided for in Part H.

6(2) Part H applies principally to houses.

6(3) Where

(a) a building is built, this By-law applies to the design and construction of the building;

(b) the whole or any part of a building is moved, this By-law applies to all parts of the building whether moved or not;

(c) the whole or any part of a building is wrecked, this By-law applies to any remaining part and to the work involved in the wrecking;

(d) a building is altered, this By-law applies to the whole building except that the By-law applies only to part if that part is completely self-contained with respect to the facilities and safety measures required by this By-law;

(e) the class of occupancy of a building is changed, this By-law applies to all parts of the building affected by the change.

(f) any Act of the Province of B. C. or regulations pursuant thereto, or any other Municipal By-law may apply to any matter covered by this By-law, compliance with this By-law shall not relieve the owner or his agent from complying with provisions of such other Act, Regulation or By-law:

(g) a building or part thereof has heretofore been constructed and equipped, this By-law shall not be construed as requiring that the building must be reconstructed, altered or otherwise equipped, unless it be by this or some other By-law specifically so provided.

7(1) Subject to subsection (2) and to clause (g) of subsection (2) of section 5 where

(a) an application has been made, and

(b) the proposed work set out in the application conforms with this By-law and all other applicable By-laws, the building inspector shall issue the permit for which the application is made upon payment of the fee prescribed and as set forth in Appendix "A" attached hereto.

7(2) No fee or part thereof in payment of a building permit, as required by this By-law, shall be refunded if the work authorized by the permit has been commenced; but if no work has been commenced and the building inspector so certifies, the Corporation Treasurer may refund 90% of the building permit fee, except that portion of the fee referred to in clause (a) of subsection (4).

7(3) Every building permit is issued upon

(a) the condition that construction is to be started within 3 months from the date of issuance of the permit, otherwise the permit shall be null and void;

(b) the condition that construction is not to be discontinued or suspended for a period of 3 months or more, otherwise the permit shall be null and void;

7 (4) The application referred to in clause (a) of subsection (1) shall

(a) be accompanied by a fee of 50% of the value of the fee established in clause (b) of subsection (1), up to a maximum amount of \$25.00, and the said fee shall not be refundable in any event;

(b) be made in the form prescribed by the building inspector;

(c) be signed by the applicant;

(d) state the intended use of the building;

(e) include copies in duplicate of the specifications and scale drawings of the building with respect to which the work is to be carried out showing

(i) the dimensions of the building;

(ii) the proposed use of each room or floor area;

(iii) the dimensions of the land on which the building is, or is to be situated as shown on latest plan of subdivision of the land.

(iv) the grades of the streets and sewers abutting the land referred to in subclause (iii), and

(v) the position, height and horizontal dimensions of all buildings on the land referred to in subclause (iii); and

(f) contain any other information required by this By-law or by the building inspector.

7 (5) The building inspector may recommend to Council the revocation of a permit where there is a violation of

(a) any condition under which the permit was issued, or

(b) any provision of this By-law.

7 (6) When the building inspector issues the permit he shall endorse in writing or stamp on both sets of plans and specifications "approved".

7(7) Approved plans and specifications shall not be changed, modified or altered without authorization from the building inspector, and all work shall be done in accordance with the approved plans.

7(8) The approval of plans and specifications and the issuance of a permit shall not prevent the building inspector from thereafter requiring the correction of errors in the said drawings and specifications, or from prohibiting building operations being carried on where in violation of this or any other By-law.

7(9) One set of approved plans and specifications shall be returned to the applicant, which set shall be kept on such building or work at all times during which the work authorized thereby is in progress. One set of approved plans, specifications and computations shall be retained by the building inspector as part of the permanent files of his Department.

8(1) Every owner of property or his agent shall

(a) obtain from the Corporation permits relating to excavation, building, zoning, grades, sewers, water mains, plumbing, signs, canopies, awnings, marquees, blasting, street occupancy, electricity, highways, and all other permits required in connection with the proposed work prior to the commencement of such work;

(b) permit the building inspector to enter any building or premises at any reasonable time for the purpose of administering or enforcing this By-law;

(c) prior to obtaining a permit for a sign, canopy, awning, marquee or other form of street occupancy, obtain public liability and property damage insurance coverage in respect of the said sign, canopy, awning, marquee or other form of street occupancy and file with the building inspector a Certificate of Insurance in the form prescribed in Appendix "C" attached hereto;

(d) give at least two days' notice to the building inspector of the intention to start work on the building site;

(e) give at least one day's notice to the building inspector and obtain inspection of work;

(i) after forms for footings and foundations are complete, but prior to placing of any concrete therein;

(ii) after removal of formwork from concrete foundation and installation of perimeter drain tiles, but prior to back-filling against foundation;

(iii) when framing of building is complete, including roofing, fire-stopping, bracing, but before any insulation, lath or other interior finish is applied to conceal the structural frame;

(iv) after the building is complete and ready for occupancy, but before occupancy takes place in whole or in part of the building.

(f) obtain a Certificate of Occupancy from the building inspector prior to any

(i) occupancy of a building or part thereof after construction, or alteration of that building or part, or

(ii) change in the class of occupancy of any building or part thereof.

8(2) Where tests of any materials are made to ensure conformity with the requirements of this By-law, records of the test data shall be kept available for inspection during the construction of the building and for such a period thereafter as required by the building inspector.

8(3) In addition to the called inspections specified in clause (e) of subsection (1), the building inspector may make additional inspections at any time he deems it necessary to ascertain compliance with the provisions of this By-law and other municipal by-laws which may be applicable.

9. (1) Neither the granting of a permit nor the approval of the drawings and specifications, nor inspections made by the building inspector during erection, demolition, removal or alteration of the building shall in any way relieve the owner of such building from full responsibility for carrying out the work in accordance with the requirements of this By-law.

10.(1) No person shall commence or continue any of the work referred to in Section 6 unless the owner of the building to be constructed, or in respect of which the work is to be carried out, has obtained a building permit.

10.(2) No person shall commence or continue any part of the work referred to in Section 6, for which part a permit is required by this By-law, unless he has obtained a permit to carry out that part of the work.

10.(3) No person shall commence or continue any part of the work referred to in Section 6 in respect of which a permit is required under any other By-law unless he has obtained a permit under that By-law.

11.(1) Where the application for a building permit applies to a building moved into the Municipality or moved from one property to another in the Municipality, then there shall be issued by the building inspector a permit to move such building subject to the following conditions:

(a) the applicant for a moving permit shall deposit with the building inspector

(i) a policy of public liability and property damage insurance in the all-inclusive limits of \$250,000.00 to insure against damages imposed by law arising out of the moving of the said building;

(ii) a surety bond in the sum of \$5,000.00 issued by a guaranty company approved by the District Registrar of the Supreme Court and in form satisfactory to the Municipal Solicitor, to indemnify the Municipality against all damages to public and Municipal property of every kind howsoever caused, occasioned by the moving of the said building;

(b) the applicant shall satisfy the building inspector that the Chief of Police has approved the time and route of moving the said building and that notice of the moving has been given to utility companies having overhead wires along the said route.

(c) the owner of the said building, if being moved into the Municipality or from one property to another in the Municipality, shall deposit with the building inspector a surety bond in the sum of \$1,000.00 issued by a guaranty company approved by the District Registrar of the Supreme Court and in form satisfactory to the Municipal Solicitor to insure that the said building shall be completely reconstructed on the new property within four months of the date of issue of the permit.

(d) the applicant shall pay for such moving permit a fee of \$5.00.

11(2) Notwithstanding anything herein contained, the building inspector shall not issue a permit to move any building into the Municipality or from one property to another in the Municipality if application is made more than thirty years after the building has been constructed; provided that if the building has been reconstructed to the extent of seventy-five per cent of its value above its foundation, the date of such reconstruction shall be deemed to be the date of construction for the purpose of this clause.

12(1) The person to whom a permit is issued shall, during construction, cause to be kept

(a) posted in a conspicuous place on the property in respect of which the permit was issued a copy of the building permit or a poster or placard in lieu thereof; and

(b) a copy of the approved drawings and specifications referred to in clause (e) of subsection (4) of section 7 on the property in respect of which the permit was issued.

13(1) Any person violating any provision of this By-law shall be liable on summary conviction to pay a fine of not less than \$25.00 and not more than \$500.00 and in default of payment thereof to a term of imprisonment not exceeding six months. A separate offence shall be deemed to be committed on each day during or on which a violation occurs or continues.

13(2) If any work for which a permit is required under this By-law shall commence before a permit has been obtained, the fee payable as determined from Appendix "A" to this By-law shall be doubled.

PART C

USE & OCCUPANCY

14(1) Part 3 of the Building Code is hereby adopted, including the numbering system, subject however, to the deletions and additions hereinafter set forth:

14(2) (a) In article 3.1.1.1. delete the definitions of "Assembly Occupancy", "Commercial and Industrial Occupancy", "Fire Escape", "Hotel or Motel" and "House Lodging" and substitute the following:

(b) "ASSEMBLY OCCUPANCY" means the occupancy or use of a building or structure or any portion thereof by a gathering of persons including persons gathered for civic, political, religious, social, educational, amusement or recreational purposes or for awaiting transportation or for the consumption of food or drink.

(c) "COMMERCIAL AND INDUSTRIAL OCCUPANCY" means the occupancy or use of a building for assembling, fabricating, manufacturing, processing, storing or selling of goods or materials.

(d) "FIRE ESCAPE" means exterior emergency means of egress conforming with article 3.4.3.15.

(e) "HOTEL" means a building or part thereof wherein accommodation without private cooking facilities in hired rooms is provided for transient lodgers.

(f) "MOTEL" means a building containing either sleeping or dwelling units, occupied or intended to be occupied as the temporary abode of tourists or transients.

(g) "HOUSE LODGING" means any building or part thereof other than a hotel or motel wherein lodging without cooking facilities is provided for compensation pursuant to previous arrangement and not necessarily to anyone who may apply; but shall not include a single dwelling unit within which no more than two sleeping rooms are provided for compensation.

14. (3) In article 3.1.2.2. GROUP A BUILDINGS - ASSEMBLY - DIVISION 2 - amend by adding "Eating and drinking establishments, Undertaking parlors with chapels".

14. (4) In article 3.1.2.2. GROUP A BUILDINGS - ASSEMBLY - DIVISION 3 - delete "baths" and substitute "pools".

14. (5) In article 3.1.3.6.(1)(ii) delete and substitute therefor the following: "in which every opening in the fire separation is protected with closures or shafts constructed in accordance with the requirements of Table 3.1.3.A. for the grades of separation required."

14. (6) In article 3.1.3.6(2) delete from Table 3.1.3.A. the following: Delete the asterisk and the words "shaft applies to the enclosures and openings in a floor system. Openings in shafts have approved closures of the same general fire resistance as the shaft." Add to Table 3.1.3.A. Add after the word "shafts" in the heading to column 3 "and openings into shafts".

14. (7) In article 3.2.1.32.(1) delete the last line, "Exterior bearing walls...", and substitute therefor the following: "Exterior bearing walls shall be of construction having a 1-hr. fire-resistance rating."

14. (8) In article 3.3.7.3.(4) line 1, delete "or" and substitute "and".

14. (9) In article 3.3.8.1. line 2 delete "1 hour" and substitute "45 minutes".

14. (10) Delete article 3.4.1.2.

14. (11) In article 3.4.2.3. (1) add a comma after "exits" in line 4; delete "in a separate fire enclosure" and substitute therefor "with a fire separation in compliance with article 3.4.2.13".

14. (12) Delete article 3.4.3.13(8) and substitute therefor the following - "Revolving doors shall not be used on exits from factories, rooms or floor areas with a high occupant load, or rooms or floor areas intended for the treatment and care of infirm persons".

14. (13) In article 3.6.2.2.(2)(b) add after the period "The minimum area of any gravity local ventilating system shall be 42 sq. in."

14. (14) Delete articles 3.6.8.1.(3) and 3.6.8.1.(4).

14. (15) Delete articles 3.6.9.1(1) and 3.6.9.1.(2) and notes and substitute the following:

"(1) Walls and floors separating major occupancies in buildings and walls and floors separating dwelling units, sleeping rooms occupied separately, or suites, in residential buildings shall be designed to prevent the transmission of objectionable noise between occupancies to the extent that the required transmission loss through the wall and floor construction assembly shall be not less than the difference between the maximum level of airborne noise in column 5 of table 3.6.6.A. produced by one occupancy and the maximum acceptable level of extraneous noise in column 6 for the adjacent occupancy.

(2) The calculation in (1) above shall be made both ways between two occupancies, the greater difference being used for determining the required transmission loss of the construction assembly."

PART D

DESIGN

15. (1) Part 4 of the Building Code, including the numbering system, is hereby adopted subject to the deletions and additions hereinafter set forth.
15. (2) In article 4.1.2.8.(1) line 2 add "32" after the word "is".
15. (3) In article 4.1.2.12.(1) line 2 add "22" after the word "is".
15. (4) In article 4.1.2.14.(1) line 3 add "4.5" after the word "of".
15. (5) In article 4.1.2.15.(2) line 2 add "4.0" after the word "is".
15. (6) Delete article 4.2.3.24.(2)(a).
15. (7) Delete article 4.2.3.24.(3).
15. (8) In article 4.2.3.25(1) delete the period after the word "frost" in line 2 and add "and in no case shall the bearing surface be less than 18 in. below the surface of the finished exterior grade".
15. (9) Delete ^{article} 4.3.1.1. and substitute therefor the following:
"This Section applies to the design of, and methods of construction using, structural members of sawn lumber, * glued-laminated timber, plywood, and their connections."
15. (10) In article 4.3.1.3. add " 'Hardware' - means truss shoes, joist and beam hangers, column caps, pintles or other assemblies fabricated from metal, other than malleable and cast iron washers. "
15. (11) In article 4.3.1.5. add "Hardware used in connecting wood structural members and assemblies shall conform to the requirements of section 4.6 of this Part."

15. (12) In article 4.3.5.3.(2) delete and substitute therefor the following:

"Lumber, other than structurally graded lumber, bearing the grade mark of the P.L.I.B. or other acceptable grading agency, may be assigned allowable unit stresses for

(a) load-sharing systems, provided it meets the requirements of the lowest grade permitted in table 4.3.5.A for the specified end use; and

(b) posts, beams and tension members used singly, when reselected from grades in columns 3 and 6 of table 4.3.5.A. to have the required slope of grain."

15. (13) In article 4.3.6.2.(2) add "Satisfactory qualification shall mean that the fabricator is a member in good standing of the Canadian Institute of Timber Construction."

15. (14) In article 4.4.4.1.(1) add "The foregoing requirements shall not preclude the placing of tile floors in bathroom and toilet rooms, or masonry floors for architectural purposes in one and two-family dwellings."

15. (15) In article 4.4.4.7.(1)(a) line 1 add after the word "and" "of solid units to a depth of 4 in. measured down from the bearing surface. Such bearing of solid units shall not be required when the masonry receiving the continuous load is of hollow units with the bearing course filled solidly with fine aggregate concrete to a depth of not less than 8 in., and"-

15. (16) In article 4.4.4.10. add "Hollow unit masonry shall not be used for isolated piers unless filled solidly with concrete."

15. (17) In article 4.4.4.12.(1)(a) line 2 delete "6 feet" and substitute "4 feet".

15. (18) In article 4.4.4.25. Marginal note. After the word "Balustrades" add "and Parapet Walls".

15. (19) Delete article 4.4.4.25 and substitute therefor the following as articles 4.4.4.25(1), (2), (3) and (4):-

15. (19) - continued.....

- "Thickness (1) Unless reinforced to withstand safely earthquake and the wind levels to which they may be subjected, masonry balustrades and parapet walls shall be not less than 8 in. thick.
- Capping (2) Every masonry balustrade and parapet wall shall be capped with an impervious coping of corrosion-resistant metal, vitrified tile, stone or other approved material. A drip having a projection of not less than 1 in. shall be formed at the base of the capping. Copings of permeable masonry shall be flashed on the top and back with metal, or through-flashing under such coping shall be provided. Such flashing shall be of corrosion-resistant metal.
- Protection of (3) The back face of every parapet wall shall be back face of wall parged, or otherwise treated to prevent disintegration, from the roof to the underside of the coping or to a line at least 3 ft. above the adjacent roof level.
- Bonding of (4) Where a balustrade is of masonry the units Balustrades shall be securely dowelled or clamped together."

15. (20) In article 4.4.5.7.(1) delete the marginal note "Temperature limitations" and substitute "Protection against frost".

15. (21) Delete article 4.4.5.7.(1) and substitute therefor the following: "Adequate equipment shall be provided for heating masonry materials and for protecting masonry during freezing weather."

15(22) In article 4.5.3.39(3) line 2 delete "5 ft." in 2 places and substitute "4 ft."

15(23) In article 4.5.9.16 line 2 delete "40 ft." and substitute "15 ft."

15(24) In article 4.5.9.19.(4) line 1 delete "7 in." and substitute "10 in."

PART E

MATERIALS

16 Part 5 of the Building Code is hereby adopted.

PART F

BUILDING SERVICES

17(1) Part 6 of the Building Code is hereby adopted, including the numbering system, subject however to the deletions and additions hereinafter set forth.

17(2) In article 6.1.1.1.(1) line 2 delete "other than houses".

17(3) Delete article 6.1.1.3.

17(4) In article 6.3.1.1. line 4 delete "other than houses".

17(5) Delete article 6.3.2.5.

17(6) In article 6.3.2.6. delete heading "Ducts for Other Than Residence Type Systems" and substitute "Ducts for Heating Systems".

17(7) In article 6.3.7.7. line 2 delete "C103-1960" and substitute "C103-1963" and add after the word "Canada" "and shall be of a type listed by the Underwriters' Laboratories of Canada."

17(8) Delete article 6.3.7.8.(1)(b) and substitute the following "in no case be inclined more than 30 deg. from the perpendicular, and"

17(9) In article 6.3.7.8.(1)(c) Table 6.3.7.A delete columns 2 and 3 and substitute

Minimum Flue Area, sq. in.	Corresponding Nominal External Dimensions of Chimney Liner
35	8 by 8 in. sq.
57	8 by 12 in. rectangular
1/10 opening & not less than 57	8 by 12 in. rectangular
2	3

17. (10) In article 6.4.2.1.(2) delete "other heat producing unit or".

17. (11) Delete article 6.5.1.1. and substitute therefor the following "The minimum requirements for all electrical equipment, installation and wiring in any building shall be in accordance with the requirements of the 'Canadian Electrical Code, Part I', as adopted by the Government of the Province of British Columbia, pursuant to Sec. 17 of the 'Electrical Energy Inspection Act' and Bylaw #761, being the "Burnaby Electrical Inspection Bylaw".

PART G

CONSTRUCTION SAFETY MEASURES

18. Part 8 of the Building Code is hereby adopted.

PART H

HOUSING

19. (1) Part 9 of the Building Code is hereby adopted, including the numbering system, subject to the deletions and additions hereinafter set forth:

19. (2) Delete article 9.1.2.

19. (3) Delete article 9.1.9. and substitute therefor the following "Precautions shall be taken at all times during construction to provide safety for the public and workmen as required in accordance with Part 8 of the National Building Code".

19(4) In article 9.2.1.(e) add after the word "occupancy" the following- "and shall include a kitchen, dining room, living room, bedroom, den or study."

19(5) Delete article 9.3.2.1. and substitute therefor the following - "The clear height of every habitable room from the exposed floor to the ceiling surface shall be not less than 8 ft., provided that in post and beam construction the supporting beams for a ceiling exposed to the room may project the maximum of 12 in. below the ceiling when spaced not less than 4 ft. centre to centre."

19(6) Delete article 9.3.2.2. and substitute therefor the following - "Clearance shall be provided in a crawl space beneath the main floor of a dwelling in accordance with the requirements of appropriate Provincial statutes when such crawl space is used to house service equipment. In no case shall the minimum clear height in a crawl space be less than 2 ft., except that a main supporting floor beam may extend into the clear height space not more than 6 in."

19(7) Delete article 9.3.2.7. and substitute therefor the following - "Openings that provide access to attics or crawl spaces shall be located in accordance with good practice and shall provide a clear opening of not less than 24 in. by 24 in."

19(8) Delete article 9.3.2.8. and substitute therefor the following - (a) The minimum width of stairs from wall face to wall face for at least one stairway between each floor level in a dwelling unit and for all common stairways in a building containing more than one dwelling unit, shall be 3 ft.

(b) (i) For all stairs, except as provided for winders and stairs listed in (b) (ii), the maximum rise shall be 8 in., and the minimum tread shall be $9\frac{1}{2}$ in., and the minimum run shall be $8\frac{1}{2}$ in.

(ii) For stairs to areas used only for storage or service equipment, such as unfinished basement, attic or other storage area, the maximum rise shall be 9 in., the minimum tread shall be 9 in. and the minimum run shall be 8 in.

- (c) Where winders are used in a staircase;
 - (i) there shall be not more than one set of winders in a stair between floor levels;
 - (ii) one set of winders shall provide a turn of not more than 90 deg.;
 - (iii) winder treads shall form an angle of not less than 30 deg.;
 - (iv) the risers shall equal those of the stair in which the winder occurs.

- (d) At least one handrail shall be provided -
 - (i) on all basement or cellar stairs;
 - (ii) on open sides of all open stairs two or more risers high above an adjoining floor, or around landings occurring in such a stair.

- (e) The width and length of a landing shall be not less than the width of the stair of which the landing forms a part.

- (f) The minimum clear height above a line drawn through a nosing of a stair tread to the ceiling above shall be not less than 6 ft. 4 in."

19. (9) Delete article 9.3.2.10(c).

19. (10) Delete article 9.3.2.11.

19. (11) In article 9.3.2.13.(1) delete the words "Except as provided in sentence (2)".

19. (12) In article 9.3.2.13.(1)(a) delete the words "of 3 sq.ft." in line one and substitute therefor the following - "... equivalent to not less than 5 per cent of the floor area in which the opening is located....."

19. (13) Delete article 9.3.2.13.(2).

19. (14) Delete article 9.3.2.16. and substitute therefor the following - "Where there is a space between insulation and roofing, such space shall be ventilated to the outside air in the ratio of 1 sq. ft. of ventilation opening for every 300 sq. ft. of insulated ceiling area in the roof space. Ventilation may be of the roof type, eave type, gable type or any combination thereof."

19. (15) Delete article 9.3.2.17. and substitute therefor the following:

"(1) A crawl space or a non-habitable basement space shall be vented to the exterior by mechanical or natural means.

(2) Where natural ventilation of crawl spaces is provided it shall be in the ratio of 1 sq. ft. of ventilation opening for every 500 sq. ft. of crawl space floor area.

(3) Ventilation openings to the exterior may be omitted where a crawl space is used as a warm air plenum."

19. (16) Delete article 9.3.3.1.(1) and substitute therefor the following - "To prevent fire spread

(a) a one-hour fire separation and vapour seal shall be provided between an attached or built-in garage and a room that is intended for sleeping,

(b) A one-half hour fire separation and a vapour seal shall be provided between an attached or built-in garage and any part of a house, except rooms intended for sleeping.

(c) The floor of an attached or built-in garage shall be of non-combustible material and shall be separated by a non-combustible curb at least 4 in. high if connected by a doorway to the house.

(d) The door between an attached or built-in garage and a house shall be tight-fitting and have a minimum fire resistance rating of 20 min."

(e) The foregoing articles (a) to (d) shall not apply to an attached carport, except that the floor of such structure shall be of non-combustible material and shall be separated by a non-combustible curb at least 4 in. high if connected by a doorway to the house.

19. (17) Delete article 9.3.3.1.(2) and substitute therefor the following -

"(a) All concealed spaces in wood framing and all furred spaces in masonry construction shall be fire-stopped with wood blocking not less than 1 5/8 in. thick, or of non-combustible material accurately fitted and arranged to prevent the spread of fire from one space to another.

(b) Stud spaces in walls and partitions, and furred spaces in masonry construction, shall be fire-stopped at each floor level and at the uppermost ceiling."

19. (18) In article 9.3.4.3.(1) delete from Table 9.3.4.A. "Bedrooms 30" and substitute "Bedrooms 40".

19. (19) Delete article 9.4.1.1. and substitute therefor the following - "A building shall be supported by foundations constructed in accordance with this section."

19. (20) Delete article 9.4.2.1. and substitute therefor the following - "Where excavations are made and backfill is placed as part of the work of constructing a foundation it shall be so placed as to avoid damaging the foundation walls or injuring any water-proofing. Backfill shall be placed to a level sufficiently above finished grade so that future settlement of the backfill will not cause the final grade to slope towards the foundation."

19. (21) Amend article 9.4.3.1.(1)(b) by adding after the word "columns" the following - "load-bearing partitions or walls in basements, cellars or crawl spaces."

19. (22) Delete article 9.4.3.1.(3).

19. (23) In article 9.4.4.1. line 1 delete the words "unit masonry or".

19. (24) Delete article 9.4.4.3.(1)

19. (25) Delete article 9.4.4.4. and substitute therefor the following - "(1) Exterior concrete foundation walls shall

19. (25) continued

extend at least 6 in. above final grade.

(2) Foundation walls for one storey dwellings without basement, which do not extend below grade more than 2 ft. or above grade more than 1 ft. 6 in., shall be not less than 6 in. in thickness.

(3) Concrete foundation walls for dwellings other than as described in sentence (2) shall have a minimum thickness of 8 in., provided that where such walls retain earth to a greater depth than 6 ft. the walls shall be increased in strength by added thickness or by steel reinforcement or piers, so as to effectively take care of the thrust of all super-imposed loads."

19. (26) Delete article 9.4.5.1. and substitute therefor the following -

"(1) (a) Basement, cellar or crawl space columns, if of wood material, shall have a diameter or width not less than the width of the super-imposed beam, and in no case shall have a diameter less than 8 in. or a cross-section less than 6 in. by 6 in. nominal dimensions.

(b) The bases of wood columns in basements, cellars or crawl spaces shall not be embedded in concrete, but shall be separated from the concrete by means of a suitable damp-proof material.

(c) Basement, cellar or crawl space columns, if of steel material, shall be designed in accordance with Part 4.6 - Steel Construction.

(2) Wood frame bearing walls or partitions in basements, cellars or crawl spaces shall be securely tied at the top and bottom to prevent lateral movement. The bottom plate shall be separated from the concrete by means of a suitable damp-proof material."

19. (27) Delete article 9.4.6.1. and substitute therefor the following -

"(1) Concrete foundation walls of basements or cellars below grade shall be constructed to resist the passage of water and water vapour by

19. (27) continued

- (a) parging with cement mortar, or
- (b) filling recesses of the concrete wall with water proofing material, or
- (c) covering the outer face of the wall with bitumen-saturated membrane.

(2) Concrete floors of basements or cellars or concrete slab floors on grade shall be damp-proofed by installation below the slab of a 6 mil. polyethylene membrane or equivalent. In place of the foregoing, and where no hydro-static pressure is likely to occur, the slab or floor may be placed on a gravel drainage blanket not less than 5 in. thick.

(3) The ground surface beneath crawl spaces shall be damp-proofed by placing over the surface a layer of concrete not less than 2 in. thick and not less than 1500 psi strength, or equivalent."

19. (28) Delete article 9.4.6.2. and substitute therefor the following - "(1) A drainage system consisting of concrete or clay tile, or perforated bituminous fibre pipe, shall be laid around the exterior of foundations so that the top of the tile or pipe is below the bottom of the floor slab or crawl space cover of the dwelling.

(2) Drain tile or pipe installed to provide gravity drainage shall be laid on undisturbed or well compacted soil, with the butt joints of tiles 1/2 in. to 3/8 in, open and covered over the top half perimeter with a minimum 3 in. wide, 15 lb. asphalt or tar-saturated felt. Top and sides of drain pipe or tile shall be covered with 6 in. or more of drainage gravel.

(3) Drainage from the drainage system shall enter a Municipal sewer where available, or drainage ditch or dry well."

19. (29) Delete article 9.5.1.1.(2) and substitute therefor the following - "Masonry employed in dwelling construction shall be in accordance with the appropriate provision of Sec. 4.4. - "Masonry".

19. (30) Delete article 9.5.1.2.

19. (31) Delete article 9.5.1.3.

19. (32) Delete article 9.5.1.4.

19. (33) Delete subsection 9.5.2.

19. (34) Delete article 9.6.1.1.(1)(b)

19. (35) Delete article 9.6.1.2.(1) and substitute therefor the following - "Material, including used lumber, shall

(a) conform to the appropriate specification listed in Sec. 9.12. and

(b) all framing and board lumber shall be graded in accordance with 'Standard Grading & Dressing Rules, No. 59' of the B. C. Lumber Manufacturers' Association and shall bear the grade stamp of the Pacific Lumber Inspection Bureau, or equivalent acceptable grade marking, and

(c) one-site cutting shall not be considered to affect the grade of a piece of material as originally marked."

19. (36) Delete article 9.6.1.3.

19. (37) Delete article 9.6.1.4. and substitute therefor the following - "(1) Framing members shall not be notched or drilled other than as follows:-

(a) Floor framing members may be notched if

(i) the depth of the member is increased by not less than the depth of the notch, or

(ii) if the notch is located on the top of the member, is not deeper than one-third the depth of the member and is within a distance of half the joist depth from the end bearing of the member.

19. (37)..... continued

(b) Floor framing members may be drilled if the holes are not larger in diameter than one-sixth the depth of the joist and are located not less than 2 in. from the upper or lower edges of the joist.

(c) Wall studs shall not be notched, drilled or otherwise reduced in cross-section so that the remaining portion of the stud is less than two-thirds the depth of the stud."

19. (38) In article 9.6.1.5. delete the words "or designed in accordance with good practise**" in lines 2 & 3.

19. (39) Delete article 9.6.1.7.

19. (40) Delete article 9.6.2.1. and substitute therefor the following - "(1) All house frames shall be anchored to the concrete foundation by fastening the sill plate to the foundation with not less than 1/2 in. diameter anchor bolts spaced not more than 8 ft. on centre, embedded at least 4 in. in the concrete.

(2) Exterior columns and posts shall be anchored to resist uplift and lateral movement."

19. (41) Delete article 9.6.2.2.(2) and substitute therefor the following -

"(a) For ordinary loading conditions the maximum permissible span for joists and rafters shall be as set forth in Tables 1 - 8 in Appendix B of this Part.

(b) For ordinary loading conditions the maximum permissible span for plank decking floors and roofs in plank and beam construction shall be as set forth in Tables on pages 187 to 192 inclusive of Timber Construction Manual 1959 of the Canadian Institute of Timber Construction."

19. (42) Delete article 9.6.2.2.(3)

19. (43) Delete article 9.6.2.3.(1) and substitute therefor the following - "In wood frame buildings floor and roof joists shall have a bearing of at least $3\frac{1}{2}$ in., except that when framed with a boxed joist, bearing may be reduced to not less than $1\frac{1}{2}$ in."

19. (44) Delete article 9.6.2.3.(2) and substitute therefor the following - "Joists carrying a partition running parallel to the joist direction, shall be doubled beneath the partition, or otherwise sufficiently strengthened."

19. (45) Delete article 9.6.2.3.(3) and substitute therefor the following - "Joists shall be restrained against twisting at the ends and at intervals not exceeding 7 ft. by,

(a) nailing at end supports or by blocking tightly fitted between joists and extending full depth of joists, and

(b) cross-bridging of not less than 2 in. by 2 in. material at intermediate points, or 1 in. by 4 in. continuous strapping fastened to the underside of each joist."

19. (46) Delete article 9.6.2.4.(1) and substitute therefor the following - "Openings in joisted floors shall be framed with header and trimmer joists as follows,

(a) Header joists shall be doubled and nailed together when their length exceeds 4 ft., and when the length of header joist exceeds eight times the common joist spacing the size of the header shall be determined by calculation.

(b) Trimmer joists shall be doubled when the header joist exceeds two times the common joist spacing, and when the length of the header joist exceeds five times the common joist spacing, the size of the trimmer joist shall be determined by calculation."

19. (47) Delete article 9.6.2.4.(2) and substitute therefor the following - "Tail joists and header joists shall be supported by joist hangers or by nailing."

19. (48) Delete article 9.6.2.4.(3).

19. (49) Delete subsection 9.6.3. and substitute therefor the following - "Walls, Partitions, Posts and Stud Walls

9.6.3.1.(1) In frame buildings bearing walls and partitions shall be constructed of not less than 2 x 4 studs at 16 in. centers.

(2) Stud bearing walls or partitions shall rest upon,

(a) foundation walls, girders, or beams, or

(b) other bearing partitions, or

(c) floor joists strengthened to support the concentrated load as in 9.6.2.3.(2).

(3) Studs shall be placed with their greatest dimension crosswise to the wall or partition.

(4) Buildings with three storeys and a basement shall have at least 2 x 6 studs at 16 in. centers for the basement and first floor walls and 2 x 4 studs at 16 in. centers for the second and third storey walls.

(5) When storeys are framed separately each wall of studding shall have top and bottom plates with the top plates being doubled.

(6) Openings in load bearing walls and partitions shall be bridged with lintels designed in such a manner that the lintels are the full width of the wall or partition in which they occur and the depth of the lintel in inches is in direct proportion to the span of the opening in feet.

9.6.3.2. Non-bearing partitions may be constructed of 2 x 3 studding placed at 16 in. centers.

9.6.3.3. (1) In wood frame buildings exterior stud bearing walls shall be sheathed in one of the following manners, with not less than,

(a) 5/8" thick lumber not more than 8" wide fastened with not less than 2 nails per stud bearing, or

(b) 7/16" thick fibreboard either asphalt coated or impregnated or both applied with not less than 1/16" separation between panels, or

(c) 1/2" thick gypsum-board applied with nails having length at least twice the thickness of board and not less than 10 gauge shank and 7/16" diameter head, or

(d) 5/16" thick exterior type plywood applied with not less than 1/16" separation between panels, or

(e) 5/16" thick particle board.

(2) Gypsum-board, fibreboard and particle board shall not be considered as an acceptable nailing base where withdrawal resistance for nails is required.

(3) (a) At least one layer of sheathing paper shall be applied over exterior wall sheathing providing at least 4" lap at joints, subject to sub-paragraph (b)

(b) At least two layers of sheathing paper shall be applied under exterior cladding of masonry veneer, so that paper is installed vertically, lapped over studs as in (a) above.

(c) Sheathing paper used beneath stucco shall be asphalt type."

19. (50) Delete subsection 9.6.4.

19. (51) Delete subsection 9.6.5.

19. (52) Delete subsection 9.7.1.

19. (53) Delete subsection 9.7.2.

19. (54) Delete article 9.8.1.2.

19. (55) Delete article 9.8.1.3.

19. (56) Delete articles 9.8.1.4.(1)(a)(b)(c)(d) and substitute therefor the following - "All heating equipment shall be designed, constructed and installed in accordance with the appropriate provisions of Part 6 - Building Services."

19. (57) Delete article 9.8.2.1.

19. (58) Delete article 9.8.2.2.

19. (59) Delete article 9.8.2.3.

- 19. (60) Delete article 9.8.2.4.
- 19. (61) Delete article 9.8.2.5.
- 19. (62) Delete article 9.8.2.6.
- 19. (63) Delete article 9.8.2.7.
- 19. (64) Delete article 9.8.2.9.
- 19. (65) Delete article 9.8.2.10.
- 19. (66) Delete article 9.8.2.11.
- 19. (67) Delete subsection 9.8.4.
- 19. (68) Delete article 9.8.5.1.
- 19. (69) Delete article 9.8.5.3.
- 19. (70) Delete article 9.8.5.4.
- 19. (71) Delete article 9.8.5.5.
- 19. (72) In article 9.8.5.6.(1) line 2 delete the words "Part 7" and substitute therefor the words "the Plumbing Bylaw of The Corporation of the District of Burnaby."
- 19. (73) Delete article 9.8.5.7.(1).
- 19. (74) Delete article 9.8.5.7.(2).
- 19. (75) In article 9.8.6.1.(1) line 3 add after the word "sub-section" the following - "and the requirements of Part 6 - Building Services."
- 19. (76) Delete article 9.8.6.2.(2).
- 19. (77) Delete article 9.8.6.2.(3).
- 19. (78) In article 9.8.6.3.(1)(a) line 2 add after the word "sub-section" the following - "and the requirements of Part 6 - Building Services".

19. (79) Delete articles 9.8.6.3.(1)(b) & (c).
19. (80) Delete article 9.8.6.5.(1).
19. (81) Delete article 9.8.6.5.(2).
19. (82) Delete article 9.8.6.5.(3).
19. (83) In article 9.8.6.5.(4)(b) in the second line delete "10. ft." and substitute "12 ft.". Delete period at end of sentence. Insert "and" after the word "chimney" and add clause (c) -
- "(c) the height of chimneys referred to in clauses (a) and (b) shall not include chimney caps or chimney pots, but shall be taken from the masonry proper."
19. (84) In article 9.8.6.5.(5)(a) delete "12 in." and substitute "8 in."
19. (85) In article 9.8.6.7.(1)(c) lines 1 & 2 delete the words "a point at least 8 in. below the lowest point of a flue pipe connection" and substitute therefor the words "the base of the chimney".
19. (86) In article 9.8.6.7.(1)(d) delete the words "in accordance with good practice**".
19. (87) In article 9.8.6.8. line 2 delete "1960" and substitute "1963" and add after the word "Canada" the following - "and shall be a chimney of a type listed by the Underwriters' Laboratories of Canada".
19. (88) In the subsection 9.8.7. heading delete the words "or concrete".
19. (89) In article 9.8.7.1.(1) line 1 delete the words "or concrete".
19. (90) In article 9.8.7.1.(2) line 1 delete in two places the words "or concrete".

19. (91) In article 9.8.7.1.(3) line 1 delete the words "or concrete" and in lines 2 & 3 delete the words "solid or hollow concrete block, hollow clay tile, concrete".
19. (92) In article 9.8.7.1.(4)(a) line 2 delete the words "or concrete".
19. (93) Delete article 9.8.7.1.(4)(b).
19. (94) In article 9.8.7.1.(5) line 2 delete "2 in." and substitute "3 $\frac{1}{2}$ in." and delete the words "Where a firebrick lining is at least 3 $\frac{1}{2}$ in. thick" and substitute the words "and this".
19. (95) In article 9.8.7.1.(6) lines 4 & 5 delete the words "or 7 $\frac{5}{8}$ in. of hollow masonry".
19. (96) Delete article 9.8.7.1.(8) and substitute therefor the following:
- "Every masonry fireplace shall be constructed so that
- (a) masonry over openings is supported by a steel beam, reinforced concrete or masonry arch, and
- (b) face masonry around fireplace opening shall be supported by a steel beam, reinforced concrete or masonry arch other than that in (a) above, so that such support shall be not less than two brick courses or 6 in. below chimney shelf at throat opening, and
- (c) the depth from the front of the fireplace opening to the back of the fireplace is not less than 1'-6", and
- (d) a hearth of non-combustible material
- (i) extends not less than 16 in. in front of a fireplace opening,
- (ii) extends not less than 12 in. beyond each side of a fireplace,
- (iii) is supported from the chimney by a corbel at least 2 in. wide and reinforced with the equivalent of at least 4 - #5 bars fully bedded and hooked in the chimney, extending through the hearth to within 2 in. of the front of the hearth."

19. (97) In article 9.8.7.2. line 3 add after the word "Inc."
"and shall be of a type listed by the Underwriters' Laboratories
Inc."

19. (98) Delete section 9.9.

19. (99) Delete article 9.10.1.2.(1)(a) and substitute therefor
the following - "the Plumbing Bylaw of The Corporation of the
District of Burnaby."

19. (100) Delete article 9.10.2.1.(2).

19. (101) In article 9.10.2.2.(1) line 2 add after the word "shall"
the following - "before such dwelling unit may be accepted for
occupancy".

19. (102) In article 9.12.1.3.(1) line 2 delete "or the Canadian
Housing Standards".

19. (103) In article 9.12.1.3.(2) line 2 delete "or the Canadian
Housing Standards".

20. By-Law No. 540, being the "Burnaby Building By-Law 1926",
and amendments thereto, are hereby repealed.

21. This by-law shall come into force and effect on the 1st
day of April, 1965.

Read a first time this 1st day of December, 1964.

Read a second time this 1st day of December, 1964.

Read a third time this 1st day of December, 1964.

Reconsidered and adopted this 28th day of December, 1964.



[Handwritten Signature]
R E E V E
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DEPUTY C L E R K

APPENDIX A

BUILDING PERMIT FEES

VALUE	BASIC FEE	RES. MULTIPLE-FAMILY
\$ 0 - \$ 200.	\$ 3.00	\$
\$ 201. - \$ 500.	\$ 5.00	\$ 10.00
\$ 501. - \$1,000.	\$ 7.50	\$ 20.00
\$1,001. up to \$15,000.	\$ 2.75 per \$1,000.	\$ 2.50 per \$1,000.
\$15,001. up to \$50,000.	\$ 1.50 per \$1,000.	\$ 2.50 per \$1,000.
\$50,001. up	\$ 1.00 per \$1,000.	\$ 1.00 per \$1,000.

A P P E N D I X B

TABLE 1

DOUGLAS FIR - WESTERN LARCH

FLOOR JOISTS

GRADE	NOMINAL SIZE inches	JOIST SPACING			
		12 in.		16 in.	
		LIVE LOAD 40 p.s.f.			
		ft.	in.	ft.	in.
Select Structural (dense and non-dense)	2 x 6	11	0	10	0
	2 x 8	15	0	13	7
	2 x 10	19	0	17	4
	2 x 12	23	0	20	11
Construction (dense and non-dense)	2 x 6	11	0	10	0
	2 x 8	15	0	13	7
	2 x 10	19	0	17	4
	2 x 12	23	0	20	11
Standard	2 x 6	11	0	10	0
	2 x 8	15	0	13	7
	2 x 10	19	0	17	4
	2 x 12	23	0	20	11
Utility	2 x 6	---	---	---	---
	2 x 8	12	2	10	6
	2 x 10	16	8	14	6
	2 x 12	19	8	17	0

TABLE 2

DOUGLAS FIR—WESTERN LARCH

CEILING JOISTS - ATTIC NOT ACCESSIBLE BY STAIRWAY

GRADE	NOMINAL SIZE inches	PLASTERED CEILING				OTHER THAN PLASTERED CEILING			
		JOIST SPACING				JOIST SPACING			
		12 in.		16 in.		12 in.		16 in.	
		LIVE LOAD 10 p.s.f.							
		ft.	in.	ft.	in.	ft.	in.	ft.	in.
Select Structural (dense and non-dense)	2 x 4	11	6	10	6	13	2	12	0
	2 x 6	17	6	15	11	20	0	18	2
	2 x 8	23	10	21	8	27	4	24	10
Dense Construction	2 x 4	11	6	10	5	12	0	10	5
	2 x 6	17	6	15	11	20	0	18	2
	2 x 8	23	10	21	8	27	4	24	10
Construction	2 x 4	11	6	10	1	11	7	10	1
	2 x 6	17	6	15	11	20	0	18	2
	2 x 8	23	10	21	8	27	4	24	10
Standard	2 x 4		--		--		--		--
	2 x 6	17	6	15	11	20	0	18	2
	2 x 8	23	10	21	8	27	4	24	10
Utility	2 x 4		--		--		--		--
	2 x 6		--		--		--		--
	2 x 8	21	6	18	7	21	6	18	7

TABLE 3

DOUGLAS FIR - WESTERN LARCH

ROOF JOISTS

GRADE	NOMINAL SIZE	PLASTERED CEILING				OTHER THAN PLASTERED CEILING			
		JOIST SPACING				JOIST SPACING			
		12 in.		16 in.		12 in.		16 in.	
		LIVE LOAD 32 p.s.f.							
	inches	ft.	in.	ft.	in.	ft.	in.	ft.	in.
Select Structural (dense and non-dense)	2 x 6	11	10	10	10	13	8	12	4
	2 x 8	16	2	14	9	18	7	16	10
	2 x 10	20	6	18	8	23	6	21	5
Construction (dense and non-dense)	2 x 6	11	10	10	10	13	8	12	4
	2 x 8	16	2	14	9	18	7	16	10
	2 x 10	20	6	18	8	23	6	21	5
Standard	2 x 6	11	10	10	10	13	8	12	3
	2 x 8	16	2	14	9	18	7	16	8
	2 x 10	20	6	18	8	23	6	21	1
Utility	2 x 6	--	--	--	--	--	--	--	--
	2 x 8	14	3	12	4	14	3	12	4
	2 x 10	19	8	17	0	17	0	17	0

TABLE 4

DOUGLAS FIR - WESTERN LARCH

RAFTERS - SLOPING ROOF

GRADE	NOMINAL SIZE inches	JOIST SPACING			
		12 in.		16 in.	
		LIVE LOAD 32 p.s.f.			
		ft.	in.	ft.	in.
Select Structural (dense and non-dense)	2 x 4	9	11	8	11
	2 x 6	15	1	13	8
	2 x 8	20	5	18	7
	2 x 10	25	11	23	7
Construction	2 x 4	8	2	7	0
	2 x 6	15	1	13	8
	2 x 8	20	5	18	7
	2 x 10	25	11	23	7
Standard	2 x 4	--	--	--	--
	2 x 6	14	10	12	9
	2 x 8	20	2	17	6
	2 x 10	25	7	22	2
Utility	2 x 4	--	--	--	--
	2 x 6	--	--	--	--
	2 x 8	15	1	13	0
	2 x 10	20	8	17	11

TABLE 5

PACIFIC COAST HEMLOCK

FLOOR JOISTS

GRADE	NOMINAL SIZE inches	ALL CEILINGS			
		JOIST SPACING			
		12 in.		16 in.	
		LIVE LOAD 40 p.s.f.			
		ft.	in.	ft.	in.
Select Structural	2 x 6	10	10	9	10
	2 x 8	14	8	13	4
	2 x 10	18	7	16	11
	2 x 12	22	6	20	6
Construction	2 x 6	10	10	9	10
	2 x 8	14	8	13	4
	2 x 10	18	7	16	11
	2 x 12	22	6	20	6
Standard	2 x 6	10	10	9	10
	2 x 8	14	8	13	4
	2 x 10	18	7	16	11
	2 x 12	22	6	20	6
Utility	2 x 6	--	--	--	--
	2 x 8	11	2	9	8
	2 x 10	15	5	13	5
	2 x 12	18	0	15	7

TABLE 6

PACIFIC COAST HEMLOCK

CEILING JOISTS - ATTIC NOT ACCESSIBLE BY A STAIRWAY

GRADE	NOMINAL SIZE inches	PLASTERED CEILING				OTHER THAN PLASTERED CEILING			
		JOIST SPACING				JOIST SPACING			
		12 in.		16 in.		12 in.		16 in.	
		LIVE LOAD 10 p.s.f.							
		ft.	in.	ft.	in.	ft.	in.	ft.	in.
Select Structural	2 x 4	11	4	10	2	12	11	11	8
	2 x 6	17	1	15	6	19	7	17	10
	2 x 8	23	4	21	2	26	8	24	4
Construction	2 x 4	10	8	9	2	10	8	9	2
	2 x 6	17	1	15	6	19	7	17	10
	2 x 8	23	4	21	2	26	8	24	4
Standard	2 x 4	--	--	--	--	--	--	--	--
	2 x 6	17	1	15	6	19	7	17	10
	2 x 8	23	4	21	2	26	8	24	4
Utility	2 x 4	--	--	--	--	--	--	--	--
	2 x 6	--	--	--	--	--	--	--	--
	2 x 8	19	10	17	2	19	10	17	2

TABLE 7

PACIFIC COAST HEMLOCK

ROOF JOISTS

GRADE	NOMINAL SIZE inches	PLASTERED CEILING		OTHER THAN PLASTERED CEILING					
		JOIST SPACING		JOIST SPACING					
		12 in.	16 in.	12 in.	16 in.				
		LIVE LOAD 32 p.s.f.							
		ft.	in.	ft.	in.	ft.	in.	ft.	in.
Select Structural	2 x 6	11	8	10	8	13	4	12	1
	2 x 8	15	10	14	5	18	2	16	6
	2 x 10	20	1	18	3	23	0	20	11
Construction	2 x 6	11	8	10	8	13	4	12	1
	2 x 8	15	10	14	5	18	2	16	6
	2 x 10	20	1	18	3	23	0	20	11
Standard	2 x 6	11	8	10	8	13	4	12	1
	2 x 8	15	10	14	5	18	2	16	6
	2 x 10	20	1	18	3	23	0	20	11
Utility	2 x 6	--	--	--	--	--	--	--	--
	2 x 8	13	2	11	4	13	2	11	4
	2 x 10	18	1	15	8	18	1	15	8

TABLE 8

PACIFIC COAST HEMLOCK

RAFTERS - SLOPING ROOF

GRADE	NOMINAL SIZE inches	JOIST SPACING			
		12 in.		16 in.	
		LIVE LOAD 32 p.s.f.			
		ft.	in.	ft.	in.
Select Structural	2 x 4	9	8	8	9
	2 x 6	14	8	13	4
	2 x 8	20	0	18	2
	2 x 10	25	4	23	0
Construction	2 x 4	7	5	6	5
	2 x 6	14	8	13	4
	2 x 8	20	0	18	2
	2 x 10	25	4	23	0
Standard	2 x 4	--	--	--	--
	2 x 6	14	7	12	9
	2 x 8	19	11	17	6
	2 x 10	25	2	22	2
Utility	2 x 4	--	--	--	--
	2 x 6	--	--	--	--
	2 x 8	13	10	12	1
	2 x 10	19	0	16	6

APPENDIX C

INSURANCE CERTIFICATE

The _____ being an Insurance Company licensed to conduct business in the Province of British Columbia hereby certifies that:

_____ is the holder of a Bodily Injury and Property Damage Liability Policy No. _____ which has been issued in respect of _____ located at: _____ and is in full force and effect and shall not be cancelled, expire or be terminated without 30 (thirty) days prior notice in writing has been filed with The Corporation of the District of Burnaby, B.C. hereinafter referred to as the Corporation.

A permit having been granted by the Corporation for the installation and maintenance of a _____ at any time during the currency of this policy, the said policy has been issued to indemnify the Corporation against loss by reason of accidents which might result therefrom and it is hereby understood and agreed that the insurance provided by this policy shall first be used to indemnify the Corporation against all loss, costs, expenses, damages and claims arising from the liability imposed by law upon the said Corporation for damage on account of bodily injuries accidentally sustained including death resulting therefrom as well as for property damage sustained by the said Corporation and for all property damage for which the said Corporation may be held liable by reason of the construction, installation, maintenance, use, non-repair, servicing, or removal of the said _____ provided that the insurer's liability shall not in any event exceed in amount the limits named in this policy.

The legal liability shall be:

Public Liability:	One Person:	\$ 50,000.00
	Two or More Persons:	\$100,000.00
	Property Damage:	\$ 10,000.00

Any terms, conditions, agreements, or exclusions contained in the policy shall not be held applicable to the prejudice of the said Corporation.

Policy shall remain in full force and effect and shall not be cancelled, expire, or be terminated without 30 (thirty) days prior notice in writing having been filed with the Corporation.

NOTE: (1) If more than one sign, canopy or metal awning is involved, their names and locations must appear on an attached listing.