

**EXPLANATION****Building By-law amending by-law  
re five and six storey wood frame residential buildings**

The attached by-law will implement Council's resolution of July 21, 2009 to amend the Building By-law requirements for five and six storey wood frame buildings.

Director of Legal Services  
July 21, 2009



BY-LAW NO. \_\_\_\_\_

**A By-law to amend Building By-law No. 9419  
regarding five and six storey wood frame residential buildings**

THE COUNCIL OF THE CITY OF VANCOUVER, in public meeting, enacts as follows:

1. This By-law amends the indicated provisions of the Building By-law.
2. In the fourth column of Table 1.3.1.2. of Part 1 of Division B, opposite:
  - (a) “ASTM” in the first column, and “D2898-94” in the second column, and after “3.1.5.21.(1)”; and
  - (b) “ULC” in the first column, and “CAN/ULC-S134” in the second column, and after “3.1.5.5.(1)”;  
Council adds “3.2.2.45.(3)”.
3. Council repeals Sentence 3.1.8.12.(1) of Part 3 of Division B, and substitutes:

“1) A hold-open device is permitted on a door in a required *fire separation*, other than an *exit* stair door in a *building* more than 3 *storeys* in *building height*, and on a door for a vestibule required by Article 3.3.5.7., provided the device is designed to release the door in conformance with Sentences (2), (3), and (4).”
4. In Article 3.1.11.2., Council:
  - (a) to the heading, at the end, adds “**and Vertical Concealed Spaces**”;
  - (b) to the end of the first paragraph of Sentence (1), after “assembly”, adds “and any vertical concealed spaces in or attached to 5 or 6 *storey* wood-frame buildings”; and
  - (c) to each of clauses (a), (b), and (c) of Sentence 2, after “wall space”, adds “or vertical concealed space”.
5. From the heading for Article 3.2.2.45. of Part 3 of Division B, Council strikes out “4”, and substitutes “6”.

6. From Sentence 3.2.2.45.(1) of Part 3 of Division B, Council repeals clauses (b) and (c), and substitutes:

- “b) it is not more than 6 storeys in *building height*,
- c) it has a maximum height of less than 18 m measured between *grade* and the uppermost floor level of the top storey, and
- d) it has a *building area* not more than
  - i) 7 200 m<sup>2</sup> if 1 storey in *building height*,
  - ii) 3 600 m<sup>2</sup> if 2 storeys in *building height*,
  - iii) 2 400 m<sup>2</sup> if 3 storeys in *building height*,
  - iv) 1 800 m<sup>2</sup> if 4 storeys in *building height*,
  - v) 1 440 m<sup>2</sup> if 5 storeys in *building height*,
  - vi) 1 200 m<sup>2</sup> if 6 storeys in *building height*.”

7. Council repeals Sentences 3.2.2.45.(3) and (4) of Part 3 of Division B, and substitutes:

“3) Except as required in Sentence (4), a *building* referred to in Subclause 3.2.2.45.(1)(d)(v) or (vi) shall

- a) have an exterior wall cladding which
  - i) is noncombustible,
  - ii) has the exterior wall assembly constructed such that the interior surfaces of the wall assembly are protected by a thermal barrier conforming to Sentence 3.1.5.12.(3), and the wall assembly satisfies the criteria of Sentences 3.1.5.5.(2) and 3.1.5.5.(3) when subjected to testing in conformance with CAN/ULC-S134, “Fire Test of Exterior Wall Assemblies”, or
  - iii) is *fire-retardant treated wood* tested for fire exposure after the cladding has been subjected to an accelerated weather test as specified in ASTM D 2898 “Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing.

4) Sub-clauses 3.2.2.45(3)(a)(ii) and (iii) are not permitted where an *exposing building face* is required by Article 3.2.3.7, to have *noncombustible* cladding.

5) In a *building* that contains *dwelling units* that have more than one *storey*, subject to the requirements of Sentence 3.3.4.2.(3), the floor assemblies, including floors over *basements*, which are entirely contained within these *dwelling units*, shall have a *fire-resistance rating* not less than 1 h but need not be constructed as *fire separations*.

6) In a *building* in which there is no *dwelling unit* above another *dwelling unit*, the *fire-resistance rating* for floor assemblies entirely within the *dwelling unit* is waived.”

8. After Sentence 3.4.1.2.(2) of Part 3 of Division B, Council adds:

“3) Contiguous exit stairways (scissor stairs) are not permissible in a 5 or 6 *storey* wood frame *building*. (See Appendix A)”

9. In Table 3.9.1.1. of Part 3 of Division B, Council:

(a) in Article 3.1.11.2. to the heading, at the end, adds “and **Vertical Concealed Spaces**”;

(b) in Article 3.4.1.2., at the end, adds:

(3)	[F10, F12, F05, F06-OS3.7] [F12, F06-OP1. 2] [F12, F06-OS1.5, OS1.2]
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(c) in the heading “3.2.2.45. Group C, up to 4 Storeys, Sprinklered”:

(i) from the heading, strikes out “4”, and substitutes “6”; and

(ii) at the end, adds:

(3)	(a)	[F02-OS1.2, OP1.2]
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10. After Sentence 4.1.8.10.(3) of Part 4 of Division B, Council adds:

“4) In cases where  $I_e F_a S_a(0.2)$  is equal to or greater than 0.35, for *buildings* constructed with 5 or 6 *storeys* of continuous *combustible construction* as permitted by Article 3.2.2.45. and having any fundamental lateral period,  $T_a$ , walls forming part of the SFRS within the continuous *combustible construction* shall not have irregularities of Type 4 or 5 as described in Table 4.1.8.6.”

11. After Sentence 4.1.8.11.(10) of Part 4 of Division B, Council adds:

“11) Where the fundamental lateral period,  $T_a$ , is determined by Clause 4.1.8.11.(3)(d) for *buildings* constructed with 5 or 6 *storeys* of continuous *combustible construction* as permitted by Article 3.2.2.45. and having an SFRS of nailed shear walls with wood-based panels, the lateral earthquake force,  $V$ , as determined in Sentence (2) shall be multiplied by 1.2.”

12. To Sentence 4.1.8.12.(6) of Part 4 of Division B, after “Sentence (7)”, Council adds “or (10)”.

13. After Sentence 4.1.8.12.(9) of Part 4 of Division B, Council adds:

“10) The base shear,  $V_d$ , shall be taken as 100% of the lateral earthquake design force,  $V$ , as determined by Article 4.1.8.11. for *buildings*

- a) constructed with 5 or 6 *storeys* of continuous *combustible construction* as permitted by Article 3.2.2.45.,
- b) having an SFRS of nailed shear walls with wood-based panels, and
- c) having a fundamental lateral period,  $T_a$ , as determined by Clause 4.1.8.11.(3)(d).”

14. Council strikes out the title to Subsection 4.3.1., and substitutes:

“4.3.1 Wood (See Appendix A)”.

15. In Table 4.5.1.1. of Part 4 of Division B, under the heading “4.1.8.10. Additional System Restrictions”, at the end, Council adds:

(4)	[F20-OS2, OP2.4] [F22-OS2.4, OP2.4]
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16. A decision by a court that any part of this By-law is illegal, void, or unenforceable severs that part from this By-law, and is not to affect the balance of this By-law.



**EXPLANATION****Tax Prepayment By-law amending by-law  
to establish a new TIPP annual interest rate**

On July 21, 2009, Council approved establishing a permanent TIPP annual interest rate equal to the greater of the prime business rate of the Bank of Canada less 3% and 0.25%.

Director of Legal Services  
July 21, 2009



BY-LAW NO. \_\_\_\_\_

**A By-law to amend Tax Prepayment By-law No. 4804  
to establish the annual rate of interest for payments  
in advance through the Tax Instalment Prepayment Plan**

THE COUNCIL OF THE CITY OF VANCOUVER, in public meeting, enacts as follows:

1. Council repeals section 6 of the Tax Prepayment By-law, and substitutes:

“6. While money the city receives in prepayment of taxes is in the tax account of the owner for the time being of the rateable parcel or parcels of real property designated by the owner or an agent of the owner at the time of making the prepayment, the city is to pay interest, calculated monthly, on such money:

- (a) from and after August 1 to and including January 31 in each year, at the greater of:
  - (i) the rate of interest per annum published by the Bank of Canada as its prime business rate as at the immediately preceding July 31, less 3%, except that if the Bank of Canada publishes more than one such rate at any time, the prime rate is to be the highest of such published rates, and
  - (ii) 0.25% per annum; and
- (b) from and after February 1 to and including July 31 in each year, at the greater of:
  - (i) the rate of interest per annum published by the Bank of Canada as its prime business rate as at the immediately preceding January 31, less 3%, except that if the Bank of Canada publishes more than one such rate at any time, the prime rate is to be the highest of such published rates, and
  - (ii) 0.25% per annum.”





**EXPLANATION**

**2010 Winter Games By-law**

On July 21, 2009, Council approved a variety of regulations pertaining to the 2010 Winter Games By-law.

Director of Legal Services  
July 21, 2009

**CITY OF VANCOUVER  
BRITISH COLUMBIA**



**2010 WINTER GAMES BY-LAW NO. \_\_\_\_\_**

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BY-LAW NO. \_\_\_\_\_

## Vancouver 2010 Olympic and Paralympic Winter Games By-law

### PREAMBLE

Council wishes to:

- (a) facilitate, accommodate, enhance, and secure the unique experience of the 2010 Winter Games for citizens, participants, visitors, and all others engaged with the 2010 Winter Games; and
- (b) create a fair and reasonable balance between those aims and the rights and privileges which citizens of the city customarily enjoy.

For those purposes, Council has enacted the 2010 Winter Games Sign Designation and Relaxation By-law, 2010 Winter Games Building By-law Relaxation By-law, and 2010 Winter Games By-law regarding parking on East Fraser Lands and temporary accommodation, and now wishes to further them by enacting this By-law.

Council also wishes to consolidate such enacted by-laws with this By-law for ease of reference in viewing all regulations that apply to the 2010 Winter Games.

THE COUNCIL OF THE CITY OF VANCOUVER, in public meeting, enacts as follows:

### SECTION 1 INTERPRETATION

#### Name of By-law

1.1 The name of this By-law, for citation, is the "2010 Winter Games By-law".

#### Definitions

1.2 In this By-law, unless the context otherwise requires:

"accredited vehicle" means a vehicle in respect of which VANOC has issued a vehicle access and parking permit;

"advertising-matter" means capable of use or used to convey information or direct or attract attention for a commercial purpose including advertisement, business promotion, or promotion of a product, activity or service;

“automatic changeable copy” means copy which is changeable, either electronically or manually, by electronic switching of lamps or illuminated tubes, electronic screens, scrolling media, or any other means for changing copy without manually replacing detachable letters, characters, or graphics, or repainting or replacing signage materials;

“by-law consultant” means a certified professional appointed, in the case of:

- (a) a special event facility at a venue, by VANOC, or
- (b) a special event facility at a city site, by the person to whom the city has given permission, by lease or otherwise, to construct the special event facility;

“celebratory sign” means a sign that celebrates the 2010 Winter Games, and creates or enhances a festive environment and atmosphere for the 2010 Winter Games;

“Chief Building Official” means the individual appointed by Council to be the Chief Building Official or a person duly authorized to carry out the powers and duties of the Chief Building Official;

“Chief License Inspector” means the individual appointed by Council to be the Chief License Inspector or a person duly authorized to carry out the powers and duties of the Chief License Inspector;

“City Engineer” means the individual appointed by Council to be the General Manager of Engineering Services or a person duly authorized to carry out the powers and duties of the General Manager of Engineering Services;

“City Manager” means the individual appointed by Council to be the City Manager or a person duly authorized to carry out the powers and duties of the City Manager;

“city site” means any site established, owned, or controlled by the city, and described in Schedule A to this By-law for:

- (a) live celebration of the 2010 Winter Games, and
- (b) administrative, cultural, or governmental protocol pavilions, facilities, or centres,

and other such site authorized from time to time by the Chief Building Official, Director of Licenses and Inspections, or Director of Planning, as the case may be;

“clustered modular building” means two or more modular buildings with an aggregate *building* area not more than 1000 m<sup>2</sup> installed side-by-side or back to back, with zero limiting distance between modular buildings;



“custom modular building” means a single storey temporary building consisting of combustible construction or noncombustible construction with combustible or noncombustible cladding, with a building area not more than 400 m<sup>2</sup> for a Group A major occupancy or not more than 1000 m<sup>2</sup> for a Group D major occupancy, and constructed with modular components assembled either on site or off site;

“Director of Licenses and Inspections” means the individual appointed by Council to be the Director of Licenses and Inspections or a person duly authorized to carry out the powers and duties of the Director of Licenses and Inspections;

“Director of Planning” means the individual appointed by Council to be the Director of Planning or a person duly authorized to carry out the powers and duties of the Director of Planning;

“dwelling unit” has the meaning ascribed to it by section 2 of the Zoning and Development By-law;

“games period” means that period of time from January 1, 2010 to March 31, 2010;

“General Manager of Olympic and Paralympic Operations” means the individual appointed by Council to be the General Manager of Olympic and Paralympic Operations or a person duly authorized to carry out the powers and duties of the General Manager of Olympic and Paralympic Operations;

“Managing Director of Cultural Services” means the individual appointed by Council to be the Managing Director of Cultural Services or a person duly authorized to carry out the powers and duties of the Managing Director of Cultural Services;

“metal sea container” means a metal transportable structure designed for the storage and transport of goods, the typical dimensions of which are 2.44 m in width, 2.59 m in height, and 6.1 m, 12.19 m, or 18.29 m in length;

“modular building” means a temporary building consisting of combustible construction or noncombustible construction with combustible or noncombustible cladding, with typical maximum dimensions measuring 4.27 m wide, 18.29 m long, and 2.44 m floor to ceiling height, in respect of which the exterior walls, floor, and roof need not be constructed as a fire separation;

“Olympic lane” means any portion of a street referred to in section 104(3) of the Street and Traffic By-law, being an amendment to the Street and Traffic By-law which Council is to enact under section 10 of this By-law, or which the City Engineer may later designate under section 104(3),;

“parent by-law” means any by-law named in the heading to any Section of this By-law;

“pedestrian corridor” means any portion of a street referred to in section 104(2) of the Street and Traffic By-law, being an amendment to the Street and Traffic By-law which Council is to enact under section 10 of this By-law, or which the City Engineer may later designate under section 104(4);

“projection public art” means visual images, with or without sound accompaniment, projected onto a building or site or into the sky, and whose sole purpose is to provide an experience of art that has no commercial content and no intent to draw attention to or create an association with a particular business, product, or service;

“Section” means, for the purposes of section 2.4, each of Sections 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13 of this By-law;

“sign on a street” means any design, device, display, illumination, inscription, material, medium, notice, object, structure, or visual projection on, in, or above any street or anything on a street, including its structure, supports, framework, lighting system, or other components, and attachments, ornaments, or other features that is:

- (a) free-standing, stationary, portable, or moving,
- (b) located on a street, and
- (c) capable of use or used to convey information or direct or attract attention for the purpose of announcement, advertisement, business promotion, promotion of a product, activity or service, or promotion of an idea, or of providing direction, identification, or information;

“special event facility” means a temporary building, tent, interior fitout, or other structure for the 2010 Winter Games;

“street use special event” means a special event on a venue corridor or pedestrian corridor authorized by the city under a permit issued under section 104(11) of the Street and Traffic By-law, being an amendment to the Street and Traffic By-law which Council is to enact under section 10 of this By-law;

“2010 Winter Games” means the Vancouver 2010 Olympic and Paralympic Winter Games;

“temporary accommodation” means temporary bedroom accommodation and temporary dwelling unit accommodation;

“temporary bedroom accommodation” means the use of no more than one bedroom in a dwelling unit for the purpose of accommodating no more than two guests in connection with the 2010 Winter Games in return for rent or other consideration;

“temporary dwelling unit accommodation” means the use of a dwelling unit for the purpose of accommodating;

- (a) one or more guests all related to one another by blood, marriage, or adoption, or
- (b) no more than five unrelated guests,

in connection with the 2010 Winter Games in return for rent or other consideration;

“tent” means a temporary tent, and includes air-supported structures;

“third party advertising” has the meaning ascribed to it by section 2.1 of the Sign By-law;

“VANOC” means the Vancouver Organizing Committee for the 2010 Olympic and Paralympic Winter Games established on September 30, 2003;

“venue” means any venue established, owned, or controlled by VANOC, for competition, non-competition, training, or support for the 2010 Winter Games, described in Schedule B to this By-law;

“venue corridor” means any portion of a street referred to in section 104(1) of the Street and Traffic By-law, being an amendment to the Street and Traffic By-law which Council is to enact under section 10 of this By-law, or which the City Engineer may later designate under section 104(4);

“wayfinding sign” means a sign that gives directions to a venue or city site; and

“zone street” means any street within any area outlined in bold black in Schedule C to this By-law.

#### **Use of definitions from this By-law in parent by-law**

1.3 Where any Section of this By-law that amends a parent by-law uses a term defined under section 1.2 of this By-law, any amendment or consolidation of the parent by-law is to include such definition in its definition section in the appropriate alphabetical order.

#### **Use of definitions from parent by-law in this By-law**

1.4 Any term defined in a parent by-law applies to any provision of this By-law that relaxes or amends a provision of the parent by-law unless this By-law otherwise defines the term.

#### **Table of contents**

1.5 The table of contents for this By-law is for convenient reference only, and is not for use in interpreting or enforcing this By-law.

#### **Schedules**

1.6 Schedules attached to this By-law form part of this By-law.

## **Severability**

1.7 A decision by a court that any part of this By-law is illegal, void, or unenforceable severs that part from this By-law, and is not to affect the balance of this By-law.

## **SECTION 2 GENERAL PROVISIONS**

### **Conflicts with parent by-laws**

2.1 To the extent that this By-law expressly authorizes a relaxation or amendment of a parent by-law, such relaxation or amendment applies despite anything to the contrary in the parent by-law.

### **Compliance with parent by-laws**

2.2 Except only to the extent that this By-law expressly authorizes a relaxation or amendment of a parent by-law or otherwise provides:

- (a) a person must comply with the applicable parent by-law; and
- (b) all provisions of the applicable parent by-law including those provisions with regard to powers of entry, inspection, enforcement, violations, offences, non-compliance with notices or orders, and fines or penalties apply to the relaxed or amended use or regulation under this By-law.

### **Time limit**

2.3 The relaxation or amendment of any by-law under this By-law, the rights and permissions set out in this By-law, and any permits or licenses issued under this By-law are to expire and have no further force or effect from and after the end of the games period unless this By-law or the parent by-law which Council is amending or relaxing otherwise expressly provides.

### **Application of relaxation or amendment**

2.4 Any provision set out in any particular Section of this By-law relaxes or amends the parent by-law identified in the heading to that Section.

## **SECTION 3 BUILDING BY-LAW**

### **Numbering system**

3.1 The numbering system used in section 3.6 is the same as that used in the Building By-law for articles, sentences, clauses, and subclauses.

### **Provision for public space or activities**

3.2 Council hereby determines that the proposed development, by way of the *construction* or installation of each *special event facility*, and the use of certain *existing buildings* or structures, at each *venue* or *city site* in connection with competition, non-competition, training, or support for the 2010 Winter Games, makes provision for public space or activities.

### **Relaxation of Building By-law**

3.3 Subject to the time limits and to the extent and conditions set out in this Section 3, Council hereby relaxes the provisions of the Building By-law referred to in this Section 3 in respect of each *special event facility*, and certain *existing buildings* or structures, at each *venue* or *city site*.

### **Removal of special event facilities**

3.4 Each of:

- (a) *VANOC*, in the case of any *special event facility* or *existing building* at a *venue*;
- (b) the city, in the case of any *special event facility* or *existing building* at a *city site*;
- (c) any person who has an obligation to *VANOC* or the city to remove any *special event facility* from a *venue* or *city site* or to restore an *existing building* at a *venue* or *city site* to comply with the Building By-law; and
- (d) the *permit* holder for the *construction* or installation of a *special event facility*, or *alteration* of an *existing building*, at a *venue* or *city site*;

must remove each *special event facility* that does not comply with the Building By-law, or cause the *special event facility* or *existing building* to comply with the Building By-law, to the satisfaction of the *Chief Building Official*, within 60 days after expiry of the games period.

### **Definitions regarding relaxations**

3.5 For the purpose of interpreting the relaxation provisions set out in section 3.6, Council deems the definitions set out in section 1.2 and used in this Section 3, and the terms used in those definitions which the Building By-law defines, to be in italics.

### **Relaxation provisions**

3.6 Council hereby relaxes each of the following specific articles, sentences, clauses, and subclauses of each of Divisions A, B, and C of the Building By-law, to the extent and subject to the conditions set out in each relaxation or added to each specific article, sentence, clause, or subclause:

## DIVISION A

### Article 1.2.2.2. Storage on the Building Site

- 2) If a *metal sea container* is used for temporary storage of materials and equipment on a *building* site, the *metal sea container* shall
  - a) be equipped with lighting under both normal and emergency power,
  - b) include padlocks to lock the latching mechanism in the open position to prevent the door latch from closing when doors are in open position,
  - c) include signage, to avoid persons being locked inside the container, posted on the exterior of the swing door and outlining the procedure set out in clause (b), and
  - d) if the *metal sea container* is used for the storage of *flammable liquids*, *combustible liquids*, or hazardous chemicals, include a placard posted on the entrance door that sets out the size and orientation requirements contained in the Transport Dangerous Goods Regulation, Part 4, under the Transportation of Dangerous Goods Act of Canada.

## DIVISION B

### Article 3.1.4.2 Protection of Foamed Plastics

- 2) Despite Sentence (1), if foamed plastic insulation has a *flame spread rating* of no more than 25, foam plastic insulation on the inside face of the walls and ceiling of *metal sea containers* with no thermal barrier is permissible.

### Article 3.1.5.8. Combustible Flooring Elements

- 2) Wood members more than 50 mm but not more than 1000 mm high applied directly above a *noncombustible* floor slab are permitted for the *construction* of a temporary raised platform in a *building* required to be of *noncombustible construction* provided the concealed spaces are fire stopped in conformance with Sentence 3.1.11.3.(2).
- 5) *Combustible* floor assemblies supported on *noncombustible* scaffolding are permitted for *special event facility* platforms for cameras, lighting, and similar support services.

### Article 3.1.5.12. Combustible Insulation and its Protection

- 7) A factory-assembled non-loadbearing interior or exterior wall or ceiling panel containing foamed plastic insulation having a *flame-spread* rating of not more than 25 is permitted to be used in a *building* required to be of *noncombustible construction* provided

- a) the panel contains metal facing on both side that is adhered to a foamed plastic insulation core,
- b) the exposed edges of the panels are covered with metal caps,
- c) the *flame spread rating* of the foamed plastic insulation shall be determined on the basis of not less than three tests conducted in accordance with CAN/ULC-S102, “Test for Surface Burning Characteristics of Building Materials and Assemblies”, and
- d) the panel does not contain an air space.

**Article 3.1.6.3. Clearance to Other Structures**

- 5) Sentence (2) does not apply to *tents*.

**Article 3.1.6.5. Flame Resistance**

- 2) Despite Sentence (1), *tent* fabrics may conform to
  - a) NFPA 701, “Standard Methods of Fire Tests for Flame Propagation of Textiles and Films”, 2004 edition, or
  - b) Certification of Registered Flame Resistant Product certified by the California Department of Forestry and Fire Protection, Office of the State Fire Marshall.

**Subsection 3.1.6. Tents and Air-Supported Structures**

**3.1.6.7. Mezzanines within tents**

- 1) If
  - a) the *mezzanine* complies with Sentence 3.2.1.1.(5),
  - b) the structural framing supporting the *mezzanine* is *noncombustible construction*, and
  - c) the *mezzanine* floor is constructed of either *noncombustible* material or *fire-retardant treated* wood sheathing,

then up to 2 levels of *mezzanine* within *tents* is permissible.

**Article 3.1.7.1. Determination of Ratings**

- 3) Despite Sentence 3.1.7.1.(1), if the required *fire-resistant rating* of the temporary *fire separation* wall is not more than 1 hour, every joint in the drywall is fastened to a wood stud or wood blocking with a minimum thickness of 38 mm, and the gap between adjacent sheets is not more than 6 mm, taping and filling the joints between drywall sheathing in *fire separation* walls is not necessary.

### Article 3.1.11.3. Fire Stopping between Nailing and Supporting Elements

2) In a *building* required to be of *noncombustible construction*, fire stops conforming to Article 3.1.11.7. shall be provided in the concealed spaces created by the wood members permitted by Sentence 3.1.5.8.(2) so that the maximum area of a concealed space is not more than 100 m<sup>2</sup>.

### Article 3.1.12.1. Flame-Spread Rating and Smoke Developed Classification

4) Despite Sentences 3.1.12.1.(1) and (2), ASTM E84-09 “Standard Test Method for Surface Burning Characteristics of Building Materials” is an acceptable test standard for *flame spread ratings*.

### Article 3.2.1.1. Exceptions in Determining Building Height

4) Except as required by Sentence (5), the space above a *mezzanine* need not be considered as a *storey* in calculating the *building height*, provided

a) the aggregate area of *mezzanines* that are not superimposed and do not meet the conditions of Sentence (3) does not exceed 10% of the *floor area* in which they are located, and

b) the area of a *mezzanine* in a *suite* does not exceed 10% of the area of that *suite*, except that the area of a *mezzanine* in a *tent* is not to exceed 15% of the floor area in which it is located.

5) Except as permitted by Sentence (6), each level of *mezzanine* that is partly or wholly superimposed above the first level of *mezzanine* shall be considered as a *storey* in calculating the *building height*, except that for a *tent* if

a) each *mezzanine* level complies with Sentence 3.2.1.1.(4),

b) the means of *egress* from the lowest and uppermost *mezzanine* levels comply with Sentence 3.4.4.2.(2),

c) *in the case of two egress stairs provided for the lowest mezzanine level*, the *occupant load* of the *mezzanine* does not exceed 100,

d) the *building* is equipped with a fire alarm system with smoke detectors on each floor level, and

e) for the purposes of Sentence 3.2.1.1.(4), the *mezzanine* area is the area of each individual *mezzanine* level rather than the aggregate of both levels,

then the *mezzanine* above the first level of *mezzanine* to be considered a *storey* is exempt from the calculation of *building height*.



#### **Article 3.2.1.2. Storage Garage Considered as a Separate Building**

4) Despite anything to the contrary in this By-law, the installation of temporary *modular buildings* or *custom modular buildings* and *tents* on top of *existing buildings* is permissible whether or not they meet the requirements of Article 3.2.1.2.

#### **Article 3.2.2.25. Group A, Division 2, up to 2 Storeys**

3) Despite Sentence (2), if:

- a) a *combustible tent* fabric is flame resistant,
- b) *fire-retardant treated wood* sheathing is used as the structural floor sheathing for any floor assembly constructed with *combustible* floor, and
- c) a fire alarm system is installed in the *tent* with *smoke detectors* installed in both *storeys*,

unsprinklered 2-storey *tents* that have a *building area* not exceeding 800 m<sup>2</sup> are permissible.

#### **Article 3.2.2.28. Group A, Division 2, One Storey**

2) Despite Sentence (1), if one or more *modular buildings* or *custom modular buildings* are installed adjacent, or attached to, a *tent*, a *clustered modular building* or *custom modular building* may have a maximum aggregate *building area* of no more than 400 m<sup>2</sup>, except that, if a *custom modular building* is equipped with a fire alarm system including smoke detectors, the maximum *building area* or aggregate *building area* may increase to no more than 1 500 m<sup>2</sup>.

#### **Article 3.2.2.53. Group D, up to 3 Storeys**

3) Despite Sentence (2)

a) floor assemblies of up to 3 vertically stacked *modular buildings* need not be constructed as *fire separations*, and

b) *loadbearing walls* of *modular buildings* or *custom modular buildings* need not have a *fire-resistance rating*.

4) Up to 3 vertically stacked *modular buildings* shall have the following features

a) each *modular building*, and each *modular building* in a stack, shall be equipped with minimum 2 hard wired *smoke alarms*,

b) the *smoke alarms* shall be interconnected so that, if one alarm is activated, it will cause all alarms within stacked or *clustered modular buildings* to sound an *alarm signal*,

c) two fire extinguishers shall be provided within each *modular building*, and

d) liquid or gas fuel-fired appliances shall not be used in elevated or stacked *modular buildings* or *custom modular buildings*.

### Article 3.2.2.55. Group D, up to 2 Storeys

3) Despite Sentence (2)

- a) floor assemblies of up to 2 vertically stacked *modular buildings* need not be constructed as *fire separations*, and
- b) *loadbearing walls of modular buildings or custom modular buildings* need not have a *fire-resistance rating*.

4) Up to 2 vertically stacked *modular buildings* shall have the following features

- a) each *modular building*, and each *modular building* in a stack, shall be equipped with at least 2 hard wired *smoke alarms*,
- b) the *smoke alarms* shall be interconnected so that, if one alarm is activated, it shall cause all alarms within stacked or *clustered modular buildings* to sound an *alarm signal*,
- c) two fire extinguishers shall be provided within each *modular building*,
- d) liquid or gas fuel-fired appliances shall not be used in an elevated or stacked *modular building*, and
- e) the unsprinklered *building area* for a 2-storey office *building* must not exceed 800 m<sup>2</sup> with *noncombustible* floor assembly.

5) Despite Sentence (1), if one or more *modular buildings* or *custom modular buildings* are installed adjacent, or attached to, a *tent*, a *clustered modular building* or *custom modular building* may have a maximum aggregate *building area* of no more than 1 000 m<sup>2</sup>.

6) Despite this Article 3.2.2.55., if a 2-storey *tent*

- a) has a *building area* not exceeding 800 m<sup>2</sup>,
- b) the *combustible tent* fabric is flame resistant,
- c) the floor assembly consists of *combustible* floor, *fire-retardant treated wood* sheathing as the structural floor sheathing, and
- d) has a fire alarm system that has smoke detectors installed in both *storeys*,

then sprinklering of the *tent* is not necessary.

#### **Article 3.2.3.1. Limiting Distance and Area of Unprotected Openings**

2) The area of the *unprotected openings* in an *exposing building face* shall be the aggregate area of *unprotected openings* expressed as a percentage of the area of the *exposing building face* in Table 3.2.3.1.A, Table 3.2.3.1.B, Table 3.2.3.1.C or Table 3.2.3.1.D, except that *modular buildings, custom modular buildings, clustered modular building, or stacked modular buildings* may have 100 % *unprotected openings* with a minimum of 3 m separation between the *exposing building face* of *buildings*.

#### **Article 3.2.3.6. Combustible Projections**

2) Despite Sentence (1), if the exposed surface of a *combustible* structure and finishes of a projection has a *flame spread rating* of no more than 25, *combustible* projections constructed less than 1.2 m but not less than 600 mm from the property line or from any other *building* on the same property are permissible.

#### **Article 3.2.4.1. Determination of Requirement for a Fire Alarm System**

6) Despite Sentence (2), a fire alarm system need not be provided for a *tent* unless specified in this By-law.

#### **Article 3.2.5.1. Access to Above Grade Storeys**

1) Except for *storeys* below the *first storey, modular buildings, custom modular buildings, clustered modular buildings, stacked modular buildings, or tents*, direct access for firefighting shall be provided from the outdoors to every *storey* that is not *sprinklered* throughout and whose floor level is less than 25 m above *grade*, by at least one unobstructed window or access panel for each 15 m of wall in each wall required to face a *street* by Subsection 3.2.2.

4) Except for *modular buildings, custom modular buildings, clustered modular building, stacked modular buildings, or tents*, where locking devices to prevent access to *floor areas* are installed on *exit* doors either

a) a master key to operate the locking devices shall be provided in an *acceptable* location accessible to fire fighters, or

b) the *exit* door shall be provided with a wired glass panel not less than 0.0645 m<sup>2</sup> in area, and be located not more than 300 mm from the door opening hardware.

#### **Article 3.2.5.5. Location of Access Routes and Paths of Travel**

2) Except as provided by Sentence (3), access routes required by Article 3.2.5.4. shall be located so that the principal entrance is located not more than 45 m from the closest portion of the access route required for fire department use, measured horizontally along the path of travel from the access route to the principal entrance of each *special event facility* provided

- a) each *modular building, custom modular building, tent, or metal sea container* shall have a designated number posted on or above the entrance door,
- b) each *venue or city site* shall have a graphic site plan indicating the location and numbering of each *special event facility*, which graphic site plan shall be provided to the *venue* incident officer, security command centre, and the *venue's or city site's* main operations centre, and
- c) specific operational requirements for fire fighting access for *venues* shall be established by the Vancouver 2010 Fire and Rescue Advisory Board.

**Article 3.2.5.13. Automatic Sprinkler Systems**

**11)** Despite Sentence (1), areas beneath the bleacher seating need not be sprinklered provided

- a) signage shall be posted in the unoccupied space beneath the bleacher seating that reads “No Storage Permitted in This Area”,
- b) only staff and cleanup crews shall be permitted in the unoccupied space beneath the bleacher seating,
- c) cleanup crews shall clean up debris from the unoccupied space beneath the bleacher seating at the end of each day, and
- d) the only occupied space beneath the bleacher seating is used as a pedestrian walkway for access to the bleacher seating.

**12)** Despite Sentence (1), additional sprinkler heads need not be installed beneath the temporary ceilings that are installed in existing sprinklered *buildings* provided

- a) installations of ceilings shall be limited to concentrated areas of not more than 50% of the sprinkler design area as determined by NFPA 13 for the relevant hazard classification,
- b) concentrated areas of temporary ceilings shall be separated from adjacent temporary ceilings by a minimum horizontal distance of 3 m,
- c) space beneath the temporary ceiling shall not contain any hazardous materials, and
- d) trained personnel for fire watch shall be provided for each such *building*.

**13)** Despite Sentence (1), if temporary partition walls are installed in sprinklered *buildings*, additional sprinkler heads need not be provided to accommodate the temporary partition walls provided

(a) temporary partition walls are installed not less than 300 mm horizontally from any existing sprinkler heads, and

(b) trained personnel for fire watch is provided for each such *building*.

#### **Article 3.2.7.1. Minimum Lighting Requirements**

4) Despite Sentence (1), all newly constructed temporary non-public stairs as described in Sentence 3.4.6.7.(7) shall be equipped to provide illumination to an average level not less than 100 Lx at stair landing or tread.

#### **Article 3.2.7.3. Emergency Lighting**

5) Despite Sentence (1), if the general site lighting provides an average level of illumination not less than 10 lx under emergency power, the requirement for emergency lighting on the exterior of *modular buildings* or *custom modular buildings* is not necessary.

#### **Article 3.3.1.13. Doors and Door Hardware**

13) Despite Sentence (2), if

a) the entry and egress doors for temporary enclosures created within *existing buildings* are fence type gates complete with chains and padlocks, and

b) signage within the enclosure reads “Door to remain unlocked when room is occupied”,

using panel fencing or chain link fencing for such temporary enclosures is permissible.

4) Despite Clause 3.3.13.(10)(c), door knobs for all back of house doors not used by the general public are permissible.

#### **Article 3.3.1.14. Ramps and Stairways**

3) Despite Sentence (1), if the height of a platform such as a medal platform or commentator platform is no more than 600 mm above the finished floor, a handrail at the stairs that lead to the platform is not necessary.

#### **Article 3.3.1.18. Guards**

6) Despite Clause 1(c), this By-law waives the requirement for guards at the front, sides and back of elevated platforms used for media broadcasts such as medal presentations, ceremonies, and announcement positions; at camera platforms where the guard could restrict visibility of the camera site lines; and at audio, video, and lighting platforms.

### **Article 3.3.2.2. Fire Separations**

3) If usable space exists under tiers of seats in arena-type *buildings* or *tents*, *fire separation* between the space and the seats is not required, and the space need not be *sprinklered*.

### **Article 3.3.2.5. Aisles**

6) The length of travel from a *building* to an *exit* door of a *tent*, which is installed adjacent to such *building*, by any aisle shall be not more than 70 m provided

a) trained personnel shall be available at all times to assist occupants to evacuate, and the path of travel from the exterior *exit* doors of the *building* to the exterior *exit* doors of the adjacent *tent* shall be kept clear,

b) trained personnel shall be provided at a minimum ratio of 1 per 500 spectators,

c) training procedures for the trained personnel shall include fire drill training,

d) trained personnel shall be equipped with voice communication devices to notify occupants of the emergency evacuation routes and procedures,

e) each *building* and associated *special event facility* shall have a fire and emergency evacuation plan, and

f) fire watch procedures shall be based on NFPA 101, "Life Safety Code", 2006 Edition.

### **Article 3.3.2.9. Guards**

5) If the level area for wheelchair viewing positions is more than 600 mm above the ground or floor, it shall be protected with a guard in front of the viewing position not less than 840 mm high above the level area.

6) If non-fixed seats for companions are provided adjacent to wheelchair viewing positions, the guard height in front of these non-fixed seats may be reduced to not less than 840 mm.

### **Article 3.3.5.6. Storage Garage Separation**

2) Despite Sentence (1), neither:

a) a fire separation between a storage garage and a temporary facility such as fencing for storage in a parkade, nor

- b) the fire resistance rating for temporary office build-outs within a parkade, is necessary.

#### **Article 3.4.2.2. Means of Egress from Mezzanines**

- 3) At least half of the required means of *egress* from a *mezzanine* shall comply with Sentence (1) if the *mezzanine* is not required to terminate at a *fire separation* as permitted by Sentence 3.2.8.2.(1), except that this sentence shall not apply to temporary buildings.

#### **Article 3.4.5.1. Exit Signs**

- 7) Despite Sentences (2) and (3), self-illuminated *exit* signs may be used for *special event facilities* provided
  - a) the *exit* sign complies with the requirements of ULC/ORD C924-02 “Photoluminescent and Self-luminous Exit Signs”, and
  - b) the *exit* sign has been evaluated by Canadian Construction Materials Centre, and is currently listed in the Registry of Product Evaluations.

#### **Article 3.4.6.4. Handrails**

- 7) Except for non-public stairs that serve a *special event facility* where work functions cannot reasonably be expected to be performed by persons with disabilities, at least one handrail at the side of a stairway or ramp shall extend horizontally not less than 300 mm beyond the top and bottom of the stairway or ramp.
- 11) Despite Sentence (7), the hand rail extensions may extend vertically downward not less than 300 mm beyond the top and bottom of the stairway.
- 12) Despite Sentence (1), if the height of a platform such as a medal platform or commentator platform is no more than 600 mm above the finished floor, a handrail at the stairs that lead to the platform is not necessary.

#### **Article 3.4.6.5. Guards**

- 5) There shall be no opening that permits the passage of a sphere whose diameter is more than 100 mm through a *guard* for an *exit*, except for
  - a) guards on stairs that are used only by staff or work force volunteers, and
  - b) egress stairs that serve bleacher seating, in which case the triangular space created by the stair tread, stair rise, and the underside of the guard may have an opening size that could permit the passage of a sphere whose diameter does not exceed 200 mm.

7) A *guard* shall be designed so that no member, attachment, or opening located between 140 mm and 900 mm above the level being protected by the *guard* will facilitate climbing, except for

- a) guards on stairs that are used only by staff or work force volunteers, and
- b) the installation of rosettes in the vertical posts of scaffolding type bleachers.

#### **Article 3.4.6.7. Treads, Risers and Tactile Warning**

7) Despite Sentence (1), all newly constructed temporary non-public stairs where work functions cannot reasonably be expected to be performed by persons with disabilities may have open risers; existing rental stairs that do not serve the general public may have

- a) a run of not less than 250 mm between successive steps,
- b) a rise between successive treads not less than 125 mm and not more than 190 mm, and
- c) open risers.

8) Despite Sentence (1)(a), rental stairs that are part of a bleacher system may have a run of not less than 250 mm between successive steps.

#### **Article 3.4.6.11. Direction of Door Swing**

1) Except for doors serving a single *dwelling unit* and except as permitted by Sentences (2), (3), or (4) or Article 3.4.6.13., every *exit* door shall

- a) open in the direction of *exit* travel, and
- b) swing on its vertical axis.

3) *Exit* doors for *tents* may be equipped with fabric flaps, tie straps, zippers, or VELCRO brand or equivalent hook and loop fasteners in lieu of doors that swing on a vertical axis provided

- a) a minimum of two *exit* doors shall be provided for each *tent*, and
- b) the *occupant load* of the *tent* shall not exceed 60.

4) Temporary sliding gates may be installed in the *exit* path instead of an *exit* door opening in the direction of *exit* travel and swinging on its vertical axis provided

- a) gates shall be opened during normal operating hours, and manned with security personnel,



- b) gates shall be closed during non-operating hours, and locked with chains and a padlock,
- c) operational procedures shall be in place to ensure that the chains and padlock are removed during operating hours, and
- d) security personnel shall be trained for emergency evacuation procedures, and shall remain in the vicinity of the *exit* gates.

#### **Article 3.4.6.15. Door Release Hardware**

- 1) Locking, latching, and other fastening devices on a principal entrance door to a *building* as well as on every *exit* door shall permit the door to be readily opened from the inside with not more than one releasing operation and without requiring keys, special devices, or specialized knowledge of the door opening mechanism, except
  - a) for devices on doors serving a *contained use area* or an *impeded egress zone* designed to be remotely released in conformance with Article 3.3.1.13.,
  - b) as permitted by Sentence (4) and Article 3.4.6.16.,
  - c) that *exit* doors for *tents* may be equipped with fabric flaps, tie straps, zippers, or VELCRO brand or equivalent hook and loop fasteners in lieu of swing doors provided
    - i) a minimum of two *exit* door shall be provided for each *tent*, and
    - ii) the *occupant load* of the tent shall not exceed 60, and
  - d) temporary sliding gates may be installed in the *exit* path in lieu of an *exit* door opening in the direction of exit travel and swinging on its vertical axis provided
    - i) gates shall be opened during normal operating hours, and manned with security personnel,
    - ii) gates shall be closed during non-operating hours, and locked with chains and a padlock,
    - iii) operational procedures shall be in place to ensure that the chains and padlock are removed during operating hours, and
    - iv) security personnel shall be trained for emergency evacuation procedures, and shall remain in the vicinity of the *exit* gates.

#### **Article 3.8.3.19. Egress from Floor Areas**

- 6) In the case of a temporary building with regard to a Group A2 or Group D major occupancy, a balcony may be provided to satisfy the requirements of Sentence (1) if it

- a) has direct access from the suite or floor area,
- b) is not less than 1.5 m deep from the outside face of the exterior wall to the inside edge of the balcony, and
- c) contains at least two spaces for non-ambulatory persons, each of which spaces is to measure at least 1220 mm x 1220 mm.

**Article 4.1.1.3. Design Requirements**

- 6) Single *storey modular buildings* need not be designed for earthquake load and effects, or wind load.
- 7) Stacked *modular buildings*, *modular buildings* that are supported on scaffolding, or *custom modular buildings* shall be designed for wind load but need not be designed for earthquake load and effects.
- 8) *Tents*, scaffolding, and platforms need not be designed for earthquake load and effects.

**Article 4.1.6.1. Specified Load Due to Rain or to Snow and Associated Rain**

- 2) Despite Sentence (1), a *tent* may be designed for a minimum specified snow load (S) of 0.48 kPa provided
  - a) snow removal shall commence when the depth of roof snow exceeds 50 mm, and shall be removed before the accumulation reaches 100 mm,
  - b) electric heaters shall be provided for all enclosed *tents* to assist in melting the roof snow, and shall be used and located as recommended by the manufacturer to avoid any fire hazard, and
  - c) electric heaters shall start up immediately after initial erection of the *tent*, and shall run continuously until the removal of the *tent*.

**Article 4.1.7.1. Specified Wind Load**

- 4) The reference velocity pressure,  $q$ , shall be the appropriate value determined in conformance with Subsection 1.1.3., based on a probability of being exceeded in any one year of 1 in 50 or, in the case of a *special event facility*, of 1 in 10.

**Article 4.1.8.17. Elements of Structures, Non-structural Components and Equipment**

- 14) Despite this Article 4.1.8.17., seismic bracing of non-structural elements for temporary use is not necessary.

#### **Article 4.2.2.1. Subsurface Investigation**

- 1) Except for a *special event facility*, a *subsurface investigation*, including *groundwater* conditions, shall be carried out by or under the direction of a professional engineer having knowledge and experience in planning and executing such investigations to a degree appropriate for the *building* and its use, the ground, and the surrounding site conditions.
- 2) *Foundation* design for a *special event facility* shall be designed based on a maximum 144 kPa allowable bearing pressure for soil for *modular buildings* and metal sea containers, and a maximum 96 kPa allowable bearing pressure for all other special event facilities.

#### **Article 4.2.4.1. Design Basis**

- 7) Tie down anchors are not required for single *storey modular buildings*, custom modular buildings, or single *storey clustered modular buildings* when the floor level is less than 1.5 meters above adjacent ground level.

#### **Article 4.2.4.4. Depth of Foundations**

- 2) The *bearing surface* of a *foundation* need not be below the level of potential damage from frost where the *foundation*
  - a) is designed against *frost action*,
  - b) overlies material not susceptible to *frost action*, or
  - c) is for a *special event facility*.

#### **Part 5 Environmental Separation**

Part 5 is not to apply to special event facilities.

#### **Article 6.2.2.1. Natural Ventilation**

- 1) Except as provided in Sentence (3) and for *tents*, all *buildings* shall be ventilated in accordance with this Part.

#### **Article 6.2.2.6. Commercial Cooking Equipment**

- 5) Despite Sentence (1), and if access panels for clean outs are provided in the ducts at all elbows and at 6 m spacing straight runs, 26 gauge galvanized sheet metal ducts for short term use kitchen exhaust ducts with seams are permissible.

#### **Article 7.2.2.6. Low Consumption Water Closets**

(2) Despite Sentence 7.2.10.6.(2), there is no maximum water consumption of water closets for temporary facilities.

#### **Article 7.2.2.7. Low Consumption Urinals**

(2) Despite Sentence 7.2.2.7.(1), there is no maximum water consumption of urinals for temporary facilities.

#### **Article 7.2.10.6. Supply and Waste Fittings**

(3) Despite Sentence 7.2.10.6.(2), there are no requirements for faucets and shower heads for temporary facilities.

#### **Article 7.4.2.1. Connections to Sanitary Drainage Systems**

f) Portable water closets that are part of a *special event facility* need not be connected to the *sanitary drainage system*.

#### **Article 7.4.2.4. Connections to Storm Drainage Systems**

1) Except as provided in Sentences (2) and (3), all roof and paved areas shall drain to a *storm drainage system*.

3) Roofs and paved areas of a *special event facility* need not comply with Sentence (1).

### **DIVISION C**

#### **Article 1A.3.4.2. Assure Compliance**

2) Despite Sentence (1), for a *special event facility*, VANOC, in the case of a *venue*, and the applicant *owner*, in the case of a *city site*, shall cause its *by-law consultant* to collect all letters referred to in Sentence (1), and VANOC or the applicant *owner*, as the case may be, shall retain those letters.

#### **Article 1A.7.2.2. Application Form**

2) In addition to the requirements of Sentence (1), for a *special event facility*, VANOC, in the case of a *venue*, and the applicant *owner*, in the case of a *city site*, shall submit, with the application a:

a) 2010 Winter Games Special Event Facility Building Permit Application Confirmation in the form attached as Schedule D to this By-law, and

b) 2010 Winter Games Special Event Facility Confirmation of Commitment By Applicant Owner and By-law Consultant in the form attached as Schedule E to this By-law,

signed, as required therein, by VANOC or the applicant *owner*, as the case may be, and signed and professionally sealed by the appropriate *by-law consultant*.

3) Despite Clause (1)(c), for a *special event facility*, VANOC, in the case of a *venue*, and the applicant *owner*, in the case of a *city site*, shall cause its *by-law consultant* to collect all plans and specifications referred to in Clause (1)(c), and VANOC or the applicant *owner*, as the case may be, shall retain those plans and specifications.

#### **Article 1A.7.2.5. Fee Schedule**

1) *Permit fees* shall be calculated in accordance with the Fee Schedule to this By-law, except that the *permit fee* for a *special event facility* is to be \$100.00, and the fees for *construction* without a *permit* are as outlined in Article 1A.7.9.1.

#### **Article 1A.8.2.1. Occupancy Permit Required**

3) Despite Sentence (1), for a *special event facility*, VANOC, in the case of a *venue*, and the applicant *owner*, in the case of a *city site*, instead of obtaining an *occupancy permit*, shall cause its *by-law consultant* to deliver to the *Chief Building Official* a

a) 2010 Winter Games Special Event Facility Design and Inspection Checklist in the form attached as Schedule F to this By-law, and

b) 2010 Winter Games Special Event Facility Final Inspection and Occupancy Checklist in the form attached as Schedule G to this By-law,

signed and professionally sealed by the *by-law consultant*.

#### **1A.10.1.5. Fence, boarding, and barricade regulations**

1) A permit holder under this Subsection 1A.10.1. must not suffer or permit the installation or placement of any sign or advertising material on any fence, boarding, or barricade referred to in Article 8.2.1.3. of Division B, except with the permission of the City Engineer and subject to the following requirements

a) third party advertising is not permissible,

b) the City Engineer may allow advertisements related to the project on the site such as the number of dwelling units,

c) the City Engineer may allow art work, and

d) the City Engineer's permission may be subject to such conditions as the City Engineer considers necessary or advisable.

2) The permit holder must remove immediately from any fence, boarding, or barricade referred to in Sentence (1) any illegal sign, advertising material, or graffiti.

3) The City Engineer may remove from any fence, boarding, or barricade referred to in Sentence (1) any illegal sign, advertising material, or graffiti, and may charge the cost of doing so to the permit holder.

#### **Article 1.3.3.7. Energy Use**

1) Except as permitted in Sentence (2) and for *special event facilities*, all *buildings* referred to in Sentences 1.3.3.2.(1) and 9.25.1.1.(3) of Division B shall comply with the energy efficient design requirements of ANSI/ASHRAE/IESNA 90.1, “Energy Standard for Building Except Low-Rise Residential Buildings”.

### **SECTION 4 CITY LAND REGULATION BY-LAW AND REGULATION OF CITY SITES**

#### **Requirements regarding city land**

4.1 After section 4 of the City Land Regulation By-law, Council adds:

#### **“Restriction on definition of city land**

4A. For the purpose of sections 4B, 4C, and 4D, “city land” means only city land that is a city site.

#### **Prohibitions regarding city land**

4B. During the games period, in addition to the requirements set out in this By-law, a person, unless licensed to do so by, or under the authority of, the city, must not:

(a) bring onto city land any:

(i) weapon,

(ii) object, including any rock, stick, or glass or metal bottle useable as a weapon, except for crutches or a cane that a person who is elderly or disabled uses as a mobility aid,

(iii) large object, including any bag, or luggage that exceeds 23 x 40 x 55 centimetres,

(iv) voice amplification equipment including any megaphone,

- (v) motorized vehicle, except for a motorized wheel chair or scooter that a person who is elderly or disabled uses as a mobility aid,
  - (vi) anything that makes noise that interferes with the enjoyment of entertainment on city land by other persons, or
  - (vii) alcohol;
- (b) cause any disturbance or nuisance interfering with the enjoyment of entertainment on city land by other persons;
  - (c) sell any product or service unless licensed to do so by the city; or
  - (d) distribute any advertising material or install or carry any sign unless licensed to do so by the city.

**Security measures regarding city land**

4C. The city, on city land, may:

- (a) install and monitor airport style and other security measures including magnetometers and X-ray machines;
- (b) install and monitor closed circuit television cameras; and
- (c) search any person who wishes to enter on city land, and any bag, luggage, or other container carried by any such person.

**Additional rules regarding city sites**

4D. During the games period, the City Manager may make additional rules concerning city land, and may post those rules at the entrances to city land.”

**Requirements regarding other city sites**

4.2 The provisions of sections 4B, 4C, and 4D of the City Land Regulation By-law also apply to city sites that are not on city land.

**SECTION 5  
GRAFFITI BY-LAW**

**References to occupier**

5. In the Graffiti By-law, Council:

- (a) from section 5, strikes out “occupant”, and substitutes “occupier”; and

- (b) to each of sections 6, 7, 8, and 9, after “owner”, each time it appears, adds “or occupier”.

**SECTION 6  
LICENSE BY-LAW NO. 4450**

**Temporary accommodation**

- 6. After section 26.1 of the License By-law, Council adds:

**“TEMPORARY ACCOMMODATION**

- 26.1A (1) Council hereby establishes the provision, during the games period, of temporary dwelling unit accommodation as a class of business.
- (2) A person who applies for a license must provide, with the application, a license fee of \$106.00 for temporary dwelling unit accommodation.
- (3) A license to provide temporary accommodation is not transferable.”

**SECTION 7  
NOISE CONTROL BY-LAW**

**Mayor’s permission for noise**

- 7.1 After section 19 of the Noise Control By-law, Council adds:

**“Mayor’s permission regarding noises related to the 2010 Winter Games**

19A. During the games period, the Mayor may permit noises arising from the following activities or circumstances subject to the following restrictions and to such further restrictions as the Mayor may impose from time to time:

- (a) the repair, maintenance, or operation of structures, facilities, equipment, and vehicles related to or in connection with the 2010 Winter Games:
  - (i) 24 hours per day at venues and city sites, and
  - (ii) during such extended hours as the Mayor considers necessary or desirable, other than at venues and city sites, if road closures, in the Mayor’s opinion, are having an adverse effect on the timeliness of such repair and maintenance;
- (b) solid waste removal:



- (i) 24 hours per day from venues and city sites,
  - (ii) 5 a.m. to midnight Monday to Friday and 8 a.m. to midnight Saturday and Sunday from the downtown area defined in this By-law,
  - (iii) 6 a.m. to 8 p.m. Monday to Friday and 8 a.m. to 8 p.m. Saturday and Sunday other than at venues and city sites or the downtown area, and
  - (iv) during such extended hours as the Mayor considers necessary or desirable, other than at venues and city sites, if road closures, in the Mayor's opinion, are having an adverse effect on the timeliness of such solid waste removal;
- (c) deliveries:
- (i) 24 hours per day to and from venues and city sites, and the 24 hour delivery zone shown on the map attached as Schedule H to this By-law, and
  - (ii) during such extended hours as the Mayor considers necessary or desirable, other than at venues and city sites, and such 24 hour delivery zone, if road closures, in the Mayor's opinion, are having an adverse effect on the timeliness of such deliveries;
- (d) portable toilet pumping:
- (i) 24 hours per day at venues and city sites, and
  - (ii) during such extended hours as the Mayor considers necessary or desirable, other than at venues and city sites, if road closures, in the Mayor's opinion, are having an adverse effect on the timeliness of such portable toilet pumping;
- (e) radio and television broadcast production including setting up studios in public areas 24 hours per day;
- (f) public address systems and voice amplification systems from 8 a.m. to midnight each day at venues and city sites;
- (g) music and other forms of entertainment from 8 a.m. to midnight each day at venues and city sites; and
- (h) such other activities or circumstances as the Mayor considers necessary or desirable.”

### **Definition of “daytime”**

7.2 For the games period, Council repeals the definition of “daytime” set out in section 2 of the Noise Control By-law, and substitutes:

‘ “daytime” means from the hours between 7 a.m. and 12 a.m. Monday to Friday, and between 8 a.m. and 12 a.m. Saturday and Sunday;’.

## **SECTION 8 SIGN BY-LAW**

### **Designation**

8.1 Council designates the 2010 Winter Games as a special event.

### **Authorization**

8.2 Subject to the time limits and conditions set out in this Section 8, Council authorizes the Director of Licenses and Inspections to relax the Sign By-law for any sign in relation to the 2010 Winter Games, and to impose time limits and conditions on such relaxations.

### **Restriction on relaxation**

8.3 The Director of Licenses and Inspections may relax the Sign By-law only for a sign at a venue or city site, a celebratory sign, or a wayfinding sign.

### **Compliance with Sign By-law**

8.4 Except only to the extent this By-law allows or to the extent the Director of Licenses and Inspections authorizes a relaxation, a person who constructs, installs, places, erects, displays, projects, paints, alters, repairs, or relocates a sign must comply with the Sign By-law.

### **Electrical and construction requirements**

8.5 This By-law does not apply to, nor allow any relaxations of, Section 14 of the Sign By-law which sets out electrical requirements for signs or Section 15 which sets out construction requirements for signs.

### **Time limits for signs at venues or city sites**

8.6 The relaxations the Director of Licenses and Inspections may authorize for a sign at a venue or city site are to commence on a date authorized by the Director of Licenses and Inspections, and end on the earlier of a date required by the Director of Licenses and Inspections and December 31, 2010.

### **Time limits for celebratory signs**

8.7 The relaxations the Director of Licenses and Inspections may authorize for a celebratory sign are to:

- (a) begin on a date authorized by the Director of Licenses and Inspections, except for a sign that covers more than 10% of a building face which is not to begin until October 1, 2009; and
- (b) end on the earlier of:
  - (i) a date required by the Director of Licenses and Inspections,
  - (ii) December 31, 2010, and
  - (iii) despite clause (ii), March 31, 2010 for a sign that covers more than 10% of the building face on which it is situate.

### **Time limits for wayfinding signs**

8.8 The relaxations the Director of Licenses and Inspections may authorize for a wayfinding sign are to:

- (a) begin on a date authorized by the Director of Licenses and Inspections; and
- (b) end on March 31, 2010.

### **Sign removal**

8.9 Each of:

- (a) VANOC, in the case of any sign at a venue;
- (b) the city, in the case of any sign at a city site;
- (c) any person who has an obligation to VANOC or the city to remove a sign from a venue or city site;
- (d) the permit holder of a celebratory sign or wayfinding sign; and
- (e) the owner of real property on which a celebratory sign or wayfinding sign is situate;

must remove each sign that does not comply with the Sign By-law, or cause the sign to comply with the Sign By-law, to the satisfaction of the Director of Licenses and Inspections, within 24 hours after expiry of the applicable time limit referred to or set out in section 8.6, 8.7, or 8.8 or,

if removal of the sign within 24 hours is not practical, within such further period as the Director of Licenses and Inspections may allow.

### **Conditions for signs at venues or city sites**

8.10 Before the Director of Licenses and Inspections authorizes a relaxation for a sign at a venue or city site, the General Manager of Olympic and Paralympic Operations for the city, in consultation with the Director of Licenses and Inspections, must approve an overall plan for signage at the venue or city site.

### **Permit not required**

8.11 A sign:

- (a) at a venue or city site to which a relaxation applies; or
- (b) that the Managing Director of Cultural Services determines to be a projection public art sign, and that exists only during the games period;

does not require a permit under the Sign By-law.

### **Conditions for celebratory signs**

8.12 A celebratory sign:

- (a) requires a permit under the Sign By-law unless it is at a venue or city site;
- (b) must include information that celebrates the 2010 Winter Games, or creates or enhances a festive environment and atmosphere for the 2010 Winter Games;
- (c) subject to compliance with the Olympic and Paralympic Marks Act (Canada), may include one or more marks set out from time to time in Schedule 1 or Schedule 2 to that Act;
- (d) subject to subsections (b) and (c), must not include anything that does not comply with the requirements of the Sign By-law;
- (e) despite subsection (d), must not include any third party advertising; and
- (f) except for the celebratory copy area, must not include any copy area larger than that which the Sign By-law would allow on a type of sign permissible under the Sign By-law, and the Chief License Inspector's determination of the size of such permissible copy area is to be conclusive and binding on the celebratory sign permit holder.

### **Conditions for wayfinding signs**

8.13 A wayfinding sign must:

- (a) meet the conditions set out in section 8.12 for celebratory signs; and
- (b) include directions to a venue or city site.

## **SECTION 9 STREET DISTRIBUTION OF PUBLICATIONS BY-LAW**

### **2010 Winter Games advertising**

9. After section 7.4 of the Street Distribution of Publications By-law, Council adds:

#### **“Celebratory signs**

7.4.1 Until the earlier of a date required by the Director of Licenses and Inspections and December 31, 2010, the exterior of a news box may include celebratory signs.

#### **Conditions for celebratory signs**

7.4.2 The following conditions apply to a celebratory sign:

- (a) it does not require a permit;
- (b) it must not contain any copy area larger than the front, back or side of the news box to which it is affixed;
- (c) it must not include any third party advertising, except that, subject to compliance with the Olympic and Paralympic Marks Act (Canada), it may include one or more marks set out from time to time in Schedule 1 or Schedule 2 to that Act; and
- (d) if the owner of the news box does not remove any graffiti on the celebratory sign immediately, the engineering services committee may arrange for removal of the graffiti, and may charge the cost of such removal to the owner.”

## **SECTION 10 STREET AND TRAFFIC BY-LAW NO. 2849**

### **Miscellaneous street and traffic amendments**

10. After section 103 of the Street and Traffic By-law, Council adds:

## “2010 WINTER GAMES PROVISIONS

104. The following provisions apply during the games period:

### Venue corridors

- (1) A person must not operate a motorized vehicle, licensed under the Motor Vehicle Act of British Columbia, on:
  - (a) Abbott Street between Pacific Boulevard and Expo Boulevard;
  - (b) Canada Place between Howe Street and Thurlow Street;
  - (c) Dinmont Ave between Peveril Avenue and Midlothian Ave;
  - (d) Dunsmuir Viaduct;
  - (e) East Waterfront Road;
  - (f) Expo Boulevard between Smithe Street and Quebec Street;
  - (g) Georgia Viaduct;
  - (h) Howe Street between Cordova Street and Canada Place;
  - (i) Midlothian Avenue between Dinmont Avenue and Ontario Street;
  - (j) Ontario Street between Midlothian Avenue and Peveril Avenue;
  - (k) Pacific Boulevard between Smithe Street and Quebec Street;
  - (l) Peveril Avenue between Ontario Street and W 28th Avenue;
  - (m) Quebec Street between Terminal Street and Second Avenue;
  - (n) Renfrew Street between Hastings Street and McGill Street;
  - (o) Thurlow Street between Cordova Street and Canada Place;
  - (p) West Waterfront Road; or
  - (q) such other streets as the City Engineer considers necessary or desirable.

### **Pedestrian corridors**

- (2) A person must not operate a motorized vehicle, licensed under the Motor Vehicle Act of British Columbia on:
- (a) Beatty Street between Dunsmuir Street and Smithe Street;
  - (b) Davie Street between Mainland Street and Expo Boulevard;  
or
  - (c) Georgia Street between Hamilton Street and Beatty Street;
  - (d) Granville Street between Smithe Street and Cordova Street;
  - (e) Hamilton Street between Georgia Street and Davie Street;
  - (f) Robson Street between Bute Street and Beatty Street; or
  - (g) such other streets as the City Engineer considers necessary or desirable.

### **Olympic lanes**

- (3) During the games period, a person must not operate a motorized vehicle, licensed under the Motor Vehicle Act of British Columbia, in any lane designated thereon as an “Olympic Lane” on:
- (a) Broadway between Arbutus Street and Commercial Drive;
  - (b) Burrard Street between Burrard Bridge and Cordova Street;
  - (c) Cambie Street between Cambie Bridge and 59th Avenue;
  - (d) Georgia Street between Richards Street and the Stanley Park Causeway;
  - (e) Hastings Street between Richards Street and Boundary Road;
  - (f) Howe Street between Cordova Street and Granville Bridge;
  - (g) Pender Street between Beatty Street and Howe Street;

- (h) Seymour Street between Granville Bridge and Cordova Street; or
- (i) such other streets as the City Engineer considers necessary or desirable;

except for any BC Transit bus, emergency vehicle, or accredited vehicle.

#### **Exceptions to street use prohibitions**

- (4) The prohibitions set out in subsections (1), (2), and (3) of this section apply 24 hours per day during the games period, except if the City Engineer determines from time to time that the prohibition regarding any particular street or portion of a street is to apply for less than 24 hours per day or for less than the games period.

#### **Truck routes and approved transit routes**

- (5) BC Transit buses and accredited vehicles may travel on streets that are not approved transit routes, truck routes, or temporary truck routes.

#### **Temporary truck routes**

- (6) If, during the games period and during any restricted hours set out in sections 90A and 90B, a person operating a vehicle subject to sections 90A and 90B may not use one or more designated truck routes, such person may operate the vehicle only on one or more of the following temporary truck routes:
  - (a) Hastings Street between Main Street and Burrard Street;
  - (b) Nelson Street between Burrard Street and Cambie Bridge;
  - (c) Smithe Street between Cambie Bridge and Burrard Street; or
  - (d) such other temporary truck routes as the City Engineer considers necessary or desirable.

#### **Advertising on streets**

- (7) A person must not:
  - (a) exhibit or place any advertising-matter, including any sandwich board, handbill, printed matter, brochure, leaflet, sample, or product on, in, or above any zone street, venue corridor, pedestrian corridor, or Olympic lane, or on any pole or projection therein; or



- (b) distribute any advertising-matter, including any handbill, printed matter, brochure, leaflet, sample, or product to persons or vehicles on, in, or above any zone street, venue corridor, pedestrian corridor, or Olympic lane.

#### **Sign on a street**

(8) A person must not exhibit, place, display, install, or erect a sign on a street on, in, or above any zone street, venue corridor, pedestrian corridor, or Olympic lane, except for:

- (a) any sign on a street existing as at the date of enactment of this By-law which the city has authorized by permit, license, or agreement;
- (b) any sign on a street in connection with a street use special event and referred to in section 104(11); and
- (c) any sign on a street that is a celebratory sign or wayfaring sign authorized by VANOC or the city.

#### **Use of vehicle for advertising**

(9) A person must not drive, stand, or park, on any street, a vehicle:

- (a) that displays automatic changeable copy on the exterior of the vehicle or in the interior if visible from outside the vehicle; or
- (b) for the sole or primary purpose of displaying advertising.

#### **Street performance**

(10) A person must not perform or entertain on, in, or above any zone street, except that a participant in a street use special event who holds a permit under section 104(12) may perform or entertain subject to such restrictions as the city may impose pursuant to section 104(12).

#### **Street use special events**

(11) A person may apply to the City Engineer for issuance of a temporary permit to organize a special event on a specified portion of a venue corridor, pedestrian corridor, or other street designated by the City Engineer, and the City Engineer may issue such a street use special event permit in which case the permit holder:

- (a) without limiting the generality of section 104(8), must ensure that no person in the special event area designated by the permit distributes paper advertising-matter;
- (b) must not, and must not suffer or permit any other person to, exhibit, place, display, install, or erect any sign on a street in the special event area that:
  - (i) reflects or is common to the street use special event as a whole or is on any infrastructure such as a stage or a tent that is common to the street use special event as a whole, and
  - (ii) is commercial in nature or otherwise directs attention to products sold or services provided whether or not they are the principal products sold or services provided by the permit holder or any participant in the street use special event;
- (c) must not allow any person who does not have a permit issued under section 104(12) to participate in the street use special event;
- (d) must comply with all requirements of the city, to the extent the City Engineer considers them necessary or desirable, with which the permit holder would have to comply if the permit holder were obtaining a film activity and special event permission from the city; and
- (e) must comply with all other requirements the City Engineer considers necessary or desirable.

### **Participants in street use special events**

(12) A person may apply to the City Engineer for issuance of a temporary permit to participate in a street use special event, either under this By-law or the Street Vending By-law, or otherwise in the discretion of the City Engineer, and, if such person gives the City Engineer a written consent for such participation, signed by the street use special event permit holder, the City Engineer may issue such a participation permit.

### **Business expansion into streets**

(13) Without limiting the generality of other city by-law requirements, a person may apply to the City Engineer for issuance of a permit to expand its business from an adjacent building onto a venue corridor or pedestrian corridor, and the City Engineer may issue such an expansion permit.

### **Regulations in special event areas**

- (14) A permit holder under subsection (12) or (13):
- (a) may display a sign, that directs attention to principal products sold or services provided at the permit holder's premises in the special event area, on the face of any temporary building or structure the permit holder erects or installs in front of those premises except that such a sign must not cover more than 10% of any face of such building or structure;
  - (b) may not display any third party advertising, which has the meaning ascribed to it by section 2.1 of the Sign By-law;
  - (c) despite section 104(7), may distribute samples or products subject to such restrictions as the City Engineer may impose;
  - (d) without limiting the generality of section 104(7), may not distribute any paper advertising-matter; and
  - (e) must comply with all other requirements the City Engineer considers necessary or desirable.

## **SECTION 11 VEHICLES FOR HIRE BY-LAW NO. 6066**

### **Miscellaneous vehicle for hire amendments**

11. After section 28(17) of the Vehicles for Hire By-law, Council adds:

#### **"Further provisions regarding taxicabs, dual taxicabs, and limousines**

- 28A. (1) The holder of a limousine license under the Vehicles for Hire By-law may apply to the Chief License Inspector for issuance of a temporary additional limousine license to expand the license holder's fleet of limousines, by a specified number during the games period, and, upon receipt of the application the Chief License Inspector may issue such a license in which case the license holder:
- (a) may operate the additional number of limousines permitted under such license during the games period; and
  - (b) does not need to comply with the ratio requirement under section 14(1).

(2) The holder of a taxicab or dual taxicab license under the Vehicles for Hire By-law may apply to the Chief License Inspector for issuance of a temporary additional taxicab or dual taxicab license to expand the license holder's fleet of taxicabs or dual taxicabs, by a specified number during the games period, and, upon receipt of the application, along with an application fee of \$200.00, the Chief License Inspector may issue such a license in which case the license holder may operate the additional number of taxicabs or dual taxicabs permitted under such license during the games period.

(3) During the games period, a person who operates a taxicab, dual taxicab, or limousine outside the city in another jurisdiction, and who meets the requirements of that jurisdiction, may operate the taxicab, dual taxicab, or limousine in the city.

(4) A person must not exhibit, place, display, or install any advertising-matter on the exterior of a taxicab, dual taxicab, or limousine or on the interior of such a vehicle if visible from the outside the vehicle."

## **SECTION 12 ZONING AND DEVELOPMENT BY-LAW NO. 3575**

### **Temporary accommodation**

12.1 Subject to the conditions set out in this Section 12, Council hereby relaxes the Zoning and Development By-law to permit temporary accommodation during the games period.

### **Time relaxation**

12.2 The prohibition against a person using or permitting the use of a dwelling unit for a period of less than one month does not apply to temporary accommodation.

### **Residence of operator**

12.3 The operator of temporary bedroom accommodation in a dwelling unit must reside in that dwelling unit.

### **Boarders, lodgers, and tenants**

12.4 A person must not provide temporary accommodation:

- (a) coincidentally with the keeping of any boarders or lodgers in the dwelling unit;
- (b) that a tenant under the Residential Tenancy Act or a boarder or lodger has occupied after June 1, 2009; or

- (c) if there has been an eviction of a tenant under the Residential Tenancy Act or of a boarder or lodger in order to make temporary accommodation available.

### **Bed and breakfast accommodation**

12.5 The operator of bed and breakfast accommodation may provide temporary accommodation in accordance with this By-law but must not provide temporary dwelling unit accommodation coincidentally with the keeping of any bed and breakfast guests in that dwelling unit.

### **Dwelling unit lawful**

12.6 The relaxation under section 12.1 applies only in respect to dwelling units that are lawful or whose use is lawful.

### **Principal and accessory uses**

12.7 Council hereby authorizes the Director of Planning to relax the Zoning and Development By-law to permit, during the games period, on any site approved by the Director of Planning, any use related to the 2010 Winter Games that makes provision for public space or activities.

## **SECTION 13 CD-1 BY-LAW NO. 9733**

### **Temporary uses**

13.1 Subject to the conditions set out in this Section 12, Council hereby relaxes CD-1 By-law No. 9733 to permit the following uses from November 1, 2009 to April 30, 2010:

- (a) Parking Uses limited to Parking Area for the parking of charter buses or other vehicles in connection with the 2010 Winter Games by or on behalf of VANOC; and
- (b) uses that are ancillary to the use set out in section 12.1, and that are satisfactory to the City Engineer including:
  - (i) vehicle refuelling, maintenance, minor repair, and washing,
  - (ii) administration including dispatch and supervision, and
  - (iii) food and non-alcoholic beverage service.

### **Area for temporary uses**

13.2 The uses referred to in section 12.1 are permissible only on those certain lands described as:

- PID 025-551-361, Parcel 1, District Lots 330 and 331, Group 1 New Westminster District, Plan BCP3000
- PID 025-551-370 Parcel 2, PID 025-551-388 Parcel 3, PID 025-551-396 Parcel 4, and PID 025-551-400 Parcel 5, all of: District Lot 331, Group 1 New Westminster District, Plan BCP3000
- PID 013-594-770 The closed portion of Kinross Street shown on Explanatory Plan 3111, PID 013-594-265 Lot 29, except the West 66 feet now road, PID 013-594-303 Lot 30, PID 013-594-338 Lot 31, PID 013-594-346 Lot 32, PID 013-594-419 Amended Lot 33 (see 53754K), PID 013-594-648 Lot 34, PID 013-594-681 Lot 35, all of: Blocks 9, 10 and 16 to 19, District Lots 330 and 331, Plan 2593

### **Conditions of temporary uses**

13.3 VANOC must design and operate the parking area, and provide temporary facilities for the permitted uses, to the satisfaction of the Director of Planning and City Engineer including:

- (a) re-grading the site, and installing gravel to provide an all-weather surface for traffic;
- (b) installing temporary above ground utilities including water and electrical;
- (c) providing above ground storage tanks for waste water including vehicle washing water and sewage from bus holding tanks;
- (d) constructing or installing temporary structures, including tents and trailers;
- (e) installing security fences and gates;
- (f) locating vehicle washing under a covered area; and
- (g) refueling vehicles by means of fuel trucks or other means that are acceptable to the City Engineer.

### **Termination of temporary uses**

13.4 In April, 2010, after the end of the games period, VANOC must remove all installations and facilities from the site to the satisfaction of the City Engineer.

## **SECTION 14 OFFENCES AND PENALTIES AND ENFORCEMENT**

### **Offences under By-law**

14.1 A person who:

- (a) violates any provision of this By-law, or does any act or thing which violates any provision of this By-law, or suffers or allows any other person to do any act or thing which violates any provision of this By-law;
- (b) neglects to do or refrains from doing anything required to be done by any provision of this By-law;
- (c) fails to comply, or suffers or allows any other person to fail to comply, with an order, direction, or notice given under any provision of this By-law; or
- (d) fails to comply with any term or condition of any relaxation authorized under this By-law;

is guilty of an offence against this By-law, and liable to the penalties imposed under this Section 14.

#### **Notice or order regarding violation**

14.2 An inspector or official of the city, or a by-law enforcement officer, may give notice or an order to any person ordering or directing that person to:

- (a) discontinue or refrain from proceeding with any work or doing anything that contravenes this By-law; or
- (b) carry out any work or do anything to bring a building, structure, improvement, or sign to which this By-law applies into conformity with this By-law;

within the time specified in such notice.

#### **Service of notice or order**

14.3 An inspector or official of the city, or a by-law enforcement officer, may serve a notice or order under this By-law by one or more of the following methods:

- (a) in the case of a *venue*, by mailing it by registered post to *VANOC* or to *VANOC's by-law consultant*, or by handing it to an officer or director of *VANOC* or to such *by-law consultant*;
- (b) in the case of a *city site*, by mailing it by registered post to the *special event facility owner* or to the *special event facility's owner's by-law consultant*, or by handing it to an officer or director of the *special event facility owner* or to such *by-law consultant*;
- (c) by posting it at the *venue* or the *special event facility* at a *city site*;
- (d) in any other case:





## SCHEDULE A

### DESCRIPTION OF CITY SITES

Live City Vancouver at Georgia Street	688 Cambie Street	PID: 009-860-991 Block 48 Plan 8970 District Lot 541 New Westminster
Live City Vancouver at David Lam Park	1300 Pacific Boulevard	PID: 018-368-972 Lot 215 Plan LMP10733 District Lot FC New Westminster Ref Plan of Easement Lot 215 LMP27555 & LMP27556
Roundhouse Community Centre	181 Roundhouse Mews	PID: 018-368-883 Lot 207 False Creek Plan LMP10733
Coal Harbour Community Centre	480 Jervis Street	PID: 023-656-956 Lot 13 of the Public Harbour of Burrard Inlet, Plan LMP29891
Vancouver Library - Main Branch	350 West Georgia Street	Lot A, except Part in Air Space Plan LMP 22595, Block 56, District lot 541, New Westminster District, Plan LMP19600
Queen Elizabeth Theatre	649 Cambie Street	Block 47, District Lot 541, Plan 21824

## SCHEDULE B

### DESCRIPTION OF VENUES

#### Competition Venues

General Motors Place	800 Griffiths Way	Lot 221, False Creek, Plan LMP12038
Pacific Coliseum	100 North Renfrew Street	Lot 90, except Part in Plan 13045, Town of Hastings Suburban Lands, Plan 100
Hillcrest Park		Parcel A, Block 805, District Lot 526, Group 1, New Westminster District, Plan LMP40757
Nat Bailey Stadium	4601 Ontario Street	Block 806, District Lot 526, Plan 19380

#### Training Venues

Killarney Ice Rink	6260 Killarney Street	Lot 17, except Part in Explanatory Plan 19208, Block A, District Lot 337, Plan 11401
Trout Lake Ice Rink	3350 Victoria Drive	Block 1, District Lots 195, 264A and 752, Plan 17318
Britannia Ice Rink	1661 Napier Street	Block 177 Plan 15722 District Lot 264A NWD

#### Non-Competition Venues

Westin Bayshore Hotel	1601 Bayshore Drive	Lot J of the Public Harbour of Burrard Inlet, Plan LMP12980
BC Place Stadium	777 Pacific Boulevard	Lot 153, False Creek, Plan 20421
Marriott Pinnacle Downtown	1128 West Hastings Street	Lots 1 - 466 Plan LMS4107 District Lot 185 New Westminster Undiv 507/325477 Share in Com Prop therein.
Renaissance Vancouver Hotel	1133 West Hastings Street	Lot 6, except part in DF67235, Block 15, DL 185, Plan 92  The West ½ of Lot 5, except part in DF67235, Block 15, DL 185, Plan 92  The East ½ of Lot 5, except part in DF67235, Block 15, DL 185, Plan 92
BC Place Stadium	777 Pacific Boulevard	Lot 153, False Creek, Plan 20421

CoV Property - Viaduct Land	90 Pacific Blvd	Part of Lot B shown on Plan LMP48169, Block 1, District Lots 2037 and 4677 Group 1 NWD Plan 18463
CoV Property - Abbott and Expo	618 Abbott Street	Strata Lot 174, Strata Plan BCS2313 New Westminster District, False Creek
Vancouver Convention and Exhibition Centre	999 Canada Place	Lot 13 of the Public Harbour of Burrard Inlet, Plan 20247
Vancouver Convention Centre Expansion Project	1055 Canada Place	Parcel 1 of the Public Harbour Burrard Inlet Plan BCP30843
Olympic Village Vancouver	Southeast False Creek	Lot 307, except Part on Plan BCP20721, False Creek, Plan BCP20720
		Lot 312, False Creek, New Westminster District, Plan BCP24394
	1661 Ontario Street	Lot 329, False Creek, Plan BCP24394
	1633 Ontario Street	Lot 326, False Creek, Plan BCP28523
	1 Athletes Way	Lot 324, False Creek, Plan BCP27368
	1650 Manitoba Street	Lot 325, False Creek, Plan BCP28523
	85 West 1st Avenue	Lot 318, False Creek, New Westminster District, Plan BCP24394
	151 West 1st Avenue	Lot A, False Creek, New Westminster District, Plan BCP31615
	150 Athletes Way	Lot 315, False Creek, New Westminster District, Plan BCP24394
	151 Athletes Way	Lot 323, False Creek, Plan BCP27367
	215 West 1st Avenue	Lot 327, False Creek, Plan BCP28525
	215 West 1st Avenue	Lot 328, False Creek, Plan BCP28525
	1850 Spyglass Place	Lot 308, except Part on Plan BCP29724, False Creek, Plan BCP20723
	1890 Spyglass Place	Lot 306, except Part on Plan BCP20179, False Creek, Plan BCP20178

## Support Facilities

Volunteer, Uniform and Accreditation Centre - Vancouver	Hastings Park	Lot 90, except Part in Plan 13045, Town of Hastings Suburban Lands, Plan 100
Transport Hub - Hastings Park	NE Corner of Hastings Park	<p>Lot 90, except Part in Plan 13045, Town of Hastings Suburban Lands, Plan 100</p> <p>Lot A of Lot 6, Town of Hastings Suburban Lands, Plan 17749</p> <p>Lot A of Lot 13, Town of Hastings Suburban Lands, Plan 17798</p> <p>Lot A of Lot 31, Town of Hastings Suburban Lands, Plan 17805</p> <p>Lot B of Lot 31, Town of Hastings Suburban Lands, Plan 17805</p> <p>Lot C of Lot 31, Town of Hastings Suburban Lands, Plan 17805</p> <p>Lot A of Lot 42, Town of Hastings Suburban Lands, Plan 17804</p> <p>Lot B of Lot 42, Town of Hastings Suburban Lands, Plan 17804</p> <p>Lot C of Lot 42, Town of Hastings Suburban Lands, Plan 17804</p> <p>Lot A of Lot 49, Town of Hastings Suburban Lands, Plan 17803</p>
Marine and Boundary Depot	3450 East Kent Ave. South	Lots 29-35 Blocks 9, 10, 16-19, Dist Lots 330 and 331 Plan 2593
Park and Ride - Langara College	6655 Ontario Street	Lot 1 of Lot A Block 1165 District Lot 526 Plan 12842
Station and Prior Depot/Remote Vehicle Screening Site	1002 Station Street	<p>Lot A District Lots 196 and DL 2037 Plan LMP14138</p> <p>Lot 19 District Lots 181, 196, and 2037 Plan 6780</p>

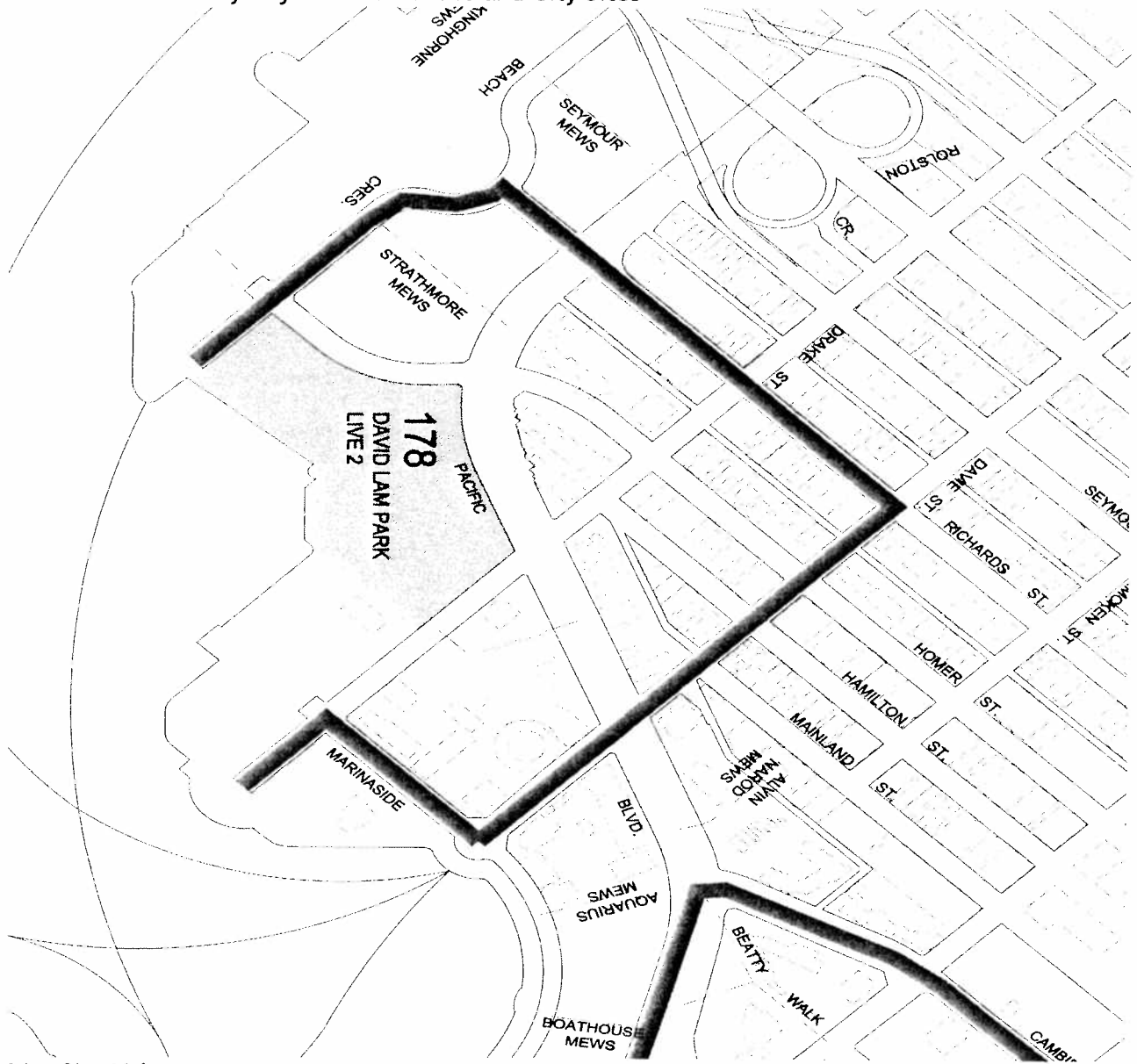
		Lot C Blocks 15 to 18 District Lots 196 and 2037 Plan 12884
		Lot D Blocks 15 to 18 District Lots 196 and 2037 Plan 12884
		Lot E District Lots 196 and 2037 Plan 13449
		Lot F District Lots 196 and 2037 Plan 13449
Lost & Found Claim Centre	450 West Broadway	Lot 6 Block 360A District Lot 526 Plan 1277
Westin Bayshore Hotel Parking	1601 Bayshore Drive	Lot J of the Public Harbour of Burrard Inlet, Plan LMP12980
Queen Elizabeth Park - Pitch and Putt Parking		Block 807 District Lot 526 Plan 19375
Old Chrysler Lot - Parking	1615 Main Street	Lot F, except part in Plan 14963, Block 2, District Lot 200A and of DL 2037 Plan 12966

**Affiliated Facilities - Cultural Olympiad**

Orpheum Theatre	884 Granville Street	Lots 20 to 28 inclusive, All of Block 63, District Lot 541, Plan 210
Vancouver Playhouse Theatre	601 Cambie Street	Block 47, District Lot 541, Plan 21824
Vancouver Art Gallery	750 Hornby Street	Block 51, District Lot 541, Plan 14423
Vancouver East Cultural Centre	1895 Venables Street	Lot F, Block E, District Lot 183, Group 1, New Westminister District, Plan BCP19154
		Lot A, except Part in Air Space Plan LMP 22595, Block 56, District lot 541, New Westminister District, Plan LMP19600

SCHEDULE C  
MAP OF VENUE OR CITY SITE STREET ZONES

Streets Immediately Adjacent to Venues and City Sites



LiveCity Yaletown



East False Creek



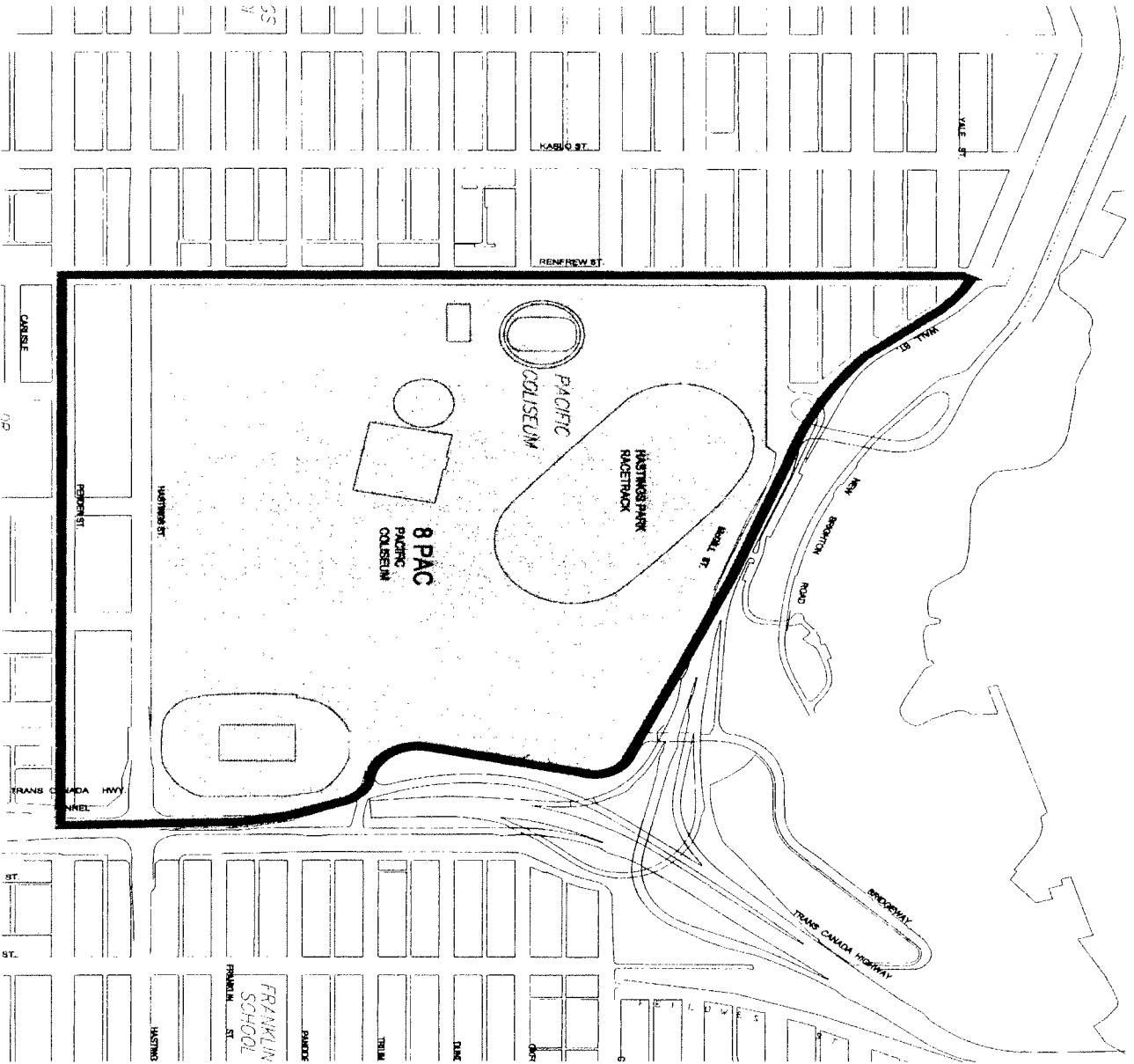
Vancouver Olympic and Paralympic Centre







Olympic Family Hotel



Pacific Coliseum

**SCHEDULE D**

**2010 WINTER GAMES SPECIAL EVENT FACILITY  
BUILDING PERMIT APPLICATION CONFIRMATION**

Project Name: \_\_\_\_\_

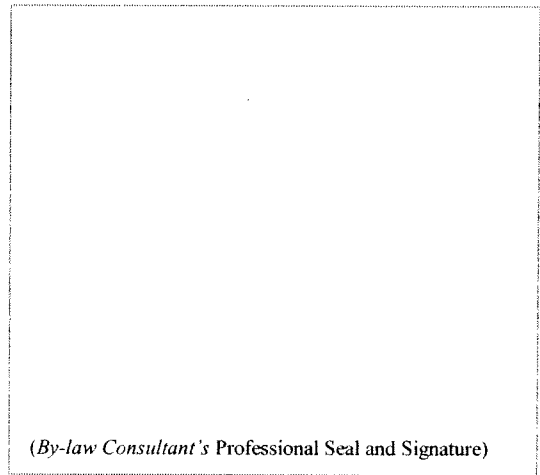
Project Address: \_\_\_\_\_

Building Permit No. \_\_\_\_\_

I, \_\_\_\_\_ hereby confirm that the documents and drawings that have been submitted for the above noted building permit substantially comply with the 2010 Olympic and Paralympic Winter Games By-law.

Signed by: \_\_\_\_\_  
*By-law Consultant*

Firm: \_\_\_\_\_



SCHEDULE E

2010 WINTER GAMES SPECIAL EVENT FACILITY  
CONFIRMATION OF COMMITMENT BY APPLICANT OWNER  
AND BY-LAW CONSULTANT

To: The Chief Building Official

DATE: \_\_\_\_\_  
(YY MM DD)

RE: Project Name: \_\_\_\_\_

Project Address: \_\_\_\_\_

Building Permit No. \_\_\_\_\_

The undersigned has authorized as the *By-law Consultant*, \_\_\_\_\_, to provide overall responsibility and authority for “by-law coordination” of design and “field reviews” required for this Project. It is understood that this *By-law Consultant* will take all such steps as regulated under the Provincial Statute for their profession and by the definitions of “by-law coordination” and “field reviews” hereinafter set forth, to ascertain that the design will substantially comply and construction of the Project will substantially conform in all material respects with the 2010 Olympic and Paralympic Winter Games By-law, and other applicable safety enactments. This *By-law Consultant* will ascertain that only qualified personnel are retained to carry out tests, inspect or carry out design work, detailing or “field reviews”.

As used herein, “by-law coordination” shall mean the activities necessary to ascertain that the Registered Professionals of record for the various components of the project,

- have reasonably interpreted the applicable by-law requirements governing the design of such components,
- have incorporated such applicable by-law requirements in their designs,
- have interfaced the design of such by-law requirements so that they are compatible with the by-law requirements of other disciplines, and
- shall provide “field reviews” of by-law related aspects.

As used herein, “field reviews” shall mean such reviews of the work at the project site and at fabrication locations, where applicable, as the *Registered Professional* in his or her professional discretion considers to be necessary in order to ascertain that the work substantially conforms in all material respects to the plans and supporting documents prepared by the *Registered Professional* for which the building permit is issued. This includes keeping records of all site visits and any corrective action taken as a result thereof.

The *By-law Consultant* is mandated to review reports of other testing and inspection agencies and disciplines where necessary, comment on their acceptability, determine the corrective action to take if unacceptable, and maintain a detailed record of every such report and comments.

RE: **Project Name:** \_\_\_\_\_

**Project Address:** \_\_\_\_\_

**Building Permit No.** \_\_\_\_\_

**NOTE:** The *owner* will notify the City Building Inspector in writing prior to any intended termination of or by the *By-law Consultant*. It is understood that work on the above project will cease as of the effective date of such termination, until such time as a new appointment is made, and a "Stop Work Order" shall be posted upon the said project by the City.

**OWNER INFORMATION**

**OR**

**AGENT FOR OWNER OR CORPORATION INFORMATIONS**

\_\_\_\_\_  
Name (Print)

\_\_\_\_\_  
Name (Print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Address (Print)

\_\_\_\_\_  
Title (Print)

\_\_\_\_\_  
City (Print)                  Postal Code

\_\_\_\_\_  
Address (Print)

\_\_\_\_\_  
Telephone \_\_\_\_\_

\_\_\_\_\_  
City (Print)                  Postal Code

\_\_\_\_\_  
Telephone \_\_\_\_\_

RE: Project Name: \_\_\_\_\_

Project Address: \_\_\_\_\_

Building Permit No. \_\_\_\_\_

**BY-LAW CONSULTANT INFORMATION**

\_\_\_\_\_  
*By-law Consultant's Name (Print)*

\_\_\_\_\_  
*By-law Consultant's Signature*

\_\_\_\_\_  
Date

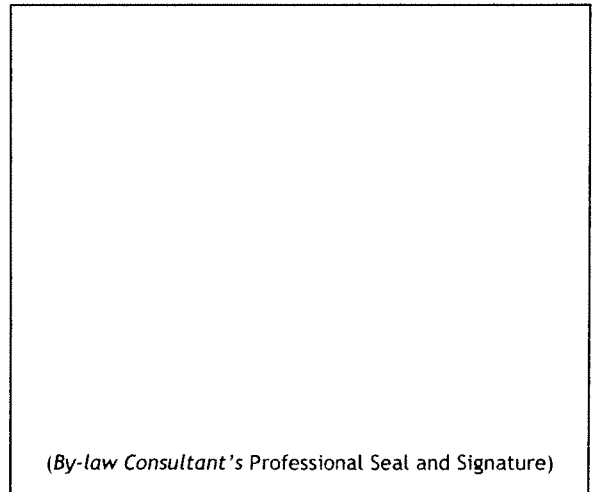
\_\_\_\_\_  
Address (Print)

\_\_\_\_\_

\_\_\_\_\_  
Postal Code

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
FAX



RE: **Project Name:** \_\_\_\_\_

**Project Address:** \_\_\_\_\_

**Building Permit No.** \_\_\_\_\_

If the *By-law Consultant* is a member of a firm, complete the following.

I am a member of the firm \_\_\_\_\_  
Name of Firm (Print)

\_\_\_\_\_  
Address (Print)

\_\_\_\_\_  
City (Print) Postal Code

and I sign this letter on behalf of myself and the firm.

**NOTE:** This letter must be signed by the *owner* or the *owner's* appointed agent and by the *By-law Consultant* who is a *certified professional*. An agent's letter of appointment must be attached. If the owner is a corporation, the letter must be signed by a signing officer of the corporation and the signing officer must set forth his or her position in the corporation.





**SCHEDULE F**

**2010 WINTER GAMES SPECIAL EVENT FACILITY  
DESIGN AND FIELD REVIEW CHECKLIST**

Note: Applicable Building Permit Documents listed in this checklist to be collected and retained by VANOC, in the case of *venues*; or the city, in the case of *sites*.

**Project Address:** \_\_\_\_\_ **Building Permit No.** \_\_\_\_\_

**Name of Venue or Site:** \_\_\_\_\_

<b>A. Outdoor Seating</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Shop Drawings		
Signed & sealed for structural		
Signed & sealed for electrical		
Schedules B1 & B2 - Structural		
Foundations		
Scaffolding Systems & Platforms		
Outdoor Seating Structural Systems		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		
Schedules B1 & B2 - Electrical		

<b>B. Indoor Seating</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Shop Drawings		
Signed & sealed for structural		
Signed & sealed for electrical		
Schedules B1 & B2 - Structural		
Scaffolding Systems & Platforms		
Indoor Seating Structural Systems		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		
Schedules B1 & B2 - Electrical		

Project Address: \_\_\_\_\_ Building Permit No. \_\_\_\_\_

Name of Venue or Site: \_\_\_\_\_

<b>C. Portable Modular Buildings</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
<b>Foundations - Structural</b>		
Wood crib foundation < 1 meter high		
Signed & Sealed foundation plan		
Wood crib foundation > 1 meter high		
Signed & Sealed foundation plan		
c/w lateral bracing system details		
Field review reports of foundations		
Scaffolding Platform for elevated buildings	See Section F	
<b>Modular Building - single storey</b>		
Layout plans and elevations (unsealed)	n/a	
Signed & sealed structural letter		
Schedules B1 & B2 - Structural		
CSA Certificate		
Electrical		
Plumbing (where applicable)		
<b>Modular Building - vertically stacked</b>		
Scaffolding platform, stairs, guards	See Section F	
Layout plans and elevations (unsealed)	n/a	
Signed & sealed structural drawing		
Connection & tie down details		
Schedules B1 & B2 - Structural		
CSA Certificate		
Electrical		
Plumbing (where applicable)		

<b>Modular Building - on elevated platforms</b>		
Scaffolding platform, stairs, guards	See Section F	
Layout plans and elevations (unsealed)	n/a	
Signed & sealed structural drawing		
Connection & tie down details		
Schedules B1 & B2 - Structural		
CSA Certificate		
Electrical		
Plumbing (where applicable)		

<b>D. Custom Modular Buildings</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Signed and Sealed architectural drawings		
Signed and Sealed structural drawings		
Signed and Sealed electrical drawings		
Schedules B1 & B2 - architectural		
Schedules B1 & B2 - Structural		
Schedules B1 & B2 - Electrical		
CSA Certificate		
Electrical		
Plumbing (where applicable)		

<b>E. Tents</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Shop Drawings		
Signed & sealed for structural		
Signed & sealed for electrical		
Schedules B1 & B2 - Structural		
Foundations		
Scaffolding Systems & Platforms		
Tent Structural Systems		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		
Schedules B1 & B2 - Electrical		
Electrical Systems & Wiring		
Certificate for Flame Spread Rating		
CAN/ULC S109 or		
NFPA 701/California State Fire Marshall		

<b>F. Interior Fit-out within Existing Buildings</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Shop Drawings -signed & sealed		
Architectural		
Structural		
Mechanical		
Plumbing		
Fire Suppression Systems		
Electrical		
Commercial kitchen exhaust system		
Schedules B1 & B2 (where applicable)		
Architectural		

<b>G. Interior Fit-out within Existing Buildings (continued)</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Structural		
Mechanical		
Plumbing		
Fire Suppression Systems		
Electrical		
Commercial kitchen exhaust system		
Certificate for Flame Spread Rating		
Factory Assembled Wall Panels		
Fabric - CAN/ULC S109 or NFPA 701		

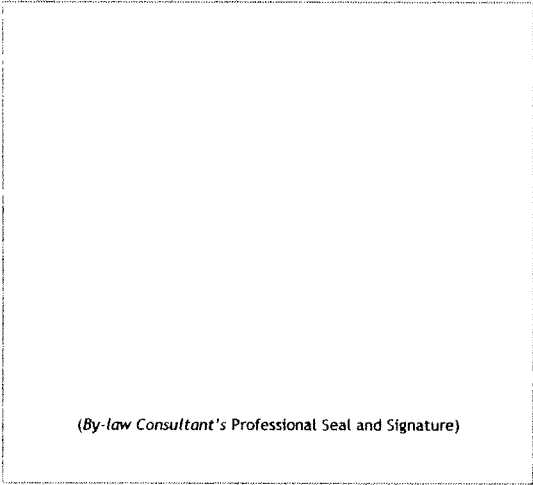
<b>H. Scaffolding and Platforms</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Shop Drawings		
Signed & sealed for structural		
Schedules B1 & B2 - Structural		
Foundations		
Scaffolding Systems & Platforms		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		

I, \_\_\_\_\_ hereby confirm that I have received all the applicable documents and drawings as set forth above for the above noted building permit and that these documents and drawings substantially comply with the 2010 Olympic and Paralympic Winter Games By-law.

Signed by: \_\_\_\_\_  
*By-law Consultant*

Firm: \_\_\_\_\_

Date: \_\_\_\_\_  
(YY MM DD)





**SCHEDULE G**  
**2010 WINTER GAMES**  
**SPECIAL EVENT FACILITY**  
**FINAL INSPECTION AND OCCUPANCY CHECKLIST**

Note: Applicable Building Permit Documents listed in this checklist to be collected and retained by VANOC, in the case of *venues*; or the city, in the case of *sites*.

**Project Address:** \_\_\_\_\_ **Building Permit No.** \_\_\_\_\_

**Name of Venue or Site:** \_\_\_\_\_

<b>A. Outdoor Seating</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Final Construction Drawings (if applicable)		
Schedules C-B - Structural		
Foundations		
Scaffolding Systems & Platforms		
Outdoor Seating Structural Systems		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		
Schedule C-B - Electrical		

<b>B. Indoor Seating</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Final Construction Drawings (if applicable)		
Schedules C-B - Structural		
Scaffolding Systems & Platforms		
Indoor Seating Structural Systems		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		
Schedule C-B - Electrical		

<b>C. Portable Modular Buildings</b>	Registered Professional	Received and Retained(Date)
<b>Modular Building - single storey</b>		
Schedules C-B - Structural		

<b>Modular Building - vertically stacked</b>		
Final Construction Drawings (if applicable)		
Schedules C-B - Structural		

<b>C. Portable Modular Buildings (continued)</b>	Registered Professional	Received and Retained(Date)
<b>Modular Building - on elevated platforms</b>		
Final Construction Drawings (if applicable)		
Schedules C-B - Structural		

<b>D. Custom Modular Buildings</b>	Registered Professional	Received and Retained(Date)
<b>Modular Building - vertically stacked</b>		
Final Construction Drawings (if applicable)		
Schedules C-B - architectural		
Schedules C-B - Structural		
Schedules C-B - Electrical		

<b>E. Tents</b>	Registered Professional	Received and Retained(Date)
Final Construction Drawings (if applicable)		
Schedules C-B - Structural		
Foundations		
Scaffolding Systems & Platforms		
Tent Structural Systems		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		
Schedules C-B - Electrical		
Electrical Systems & Wiring		

<b>F. Interior Fit-out within Existing Buildings</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Final Construction Drawings (if applicable)		
Schedules C-B		
Architectural		
Structural		
Mechanical		
Plumbing		
Fire Suppression Systems		
Electrical		
Commercial kitchen exhaust system		

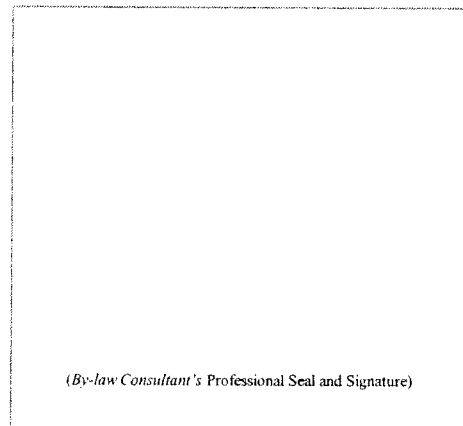
<b>G. Scaffolding and Platforms</b>	<b>Registered Professional</b>	<b>Received and Retained(Date)</b>
Final Construction Drawings (if applicable)		
Schedules C-B - Structural		
Foundations		
Scaffolding Systems & Platforms		
Stairs & Ramps to Elevated Platforms		
Guards & Handrails		

I, \_\_\_\_\_ hereby confirm that I have received all the applicable documents and drawings as set forth above for the above noted building permit and that these documents and drawings substantially comply with the 2010 Olympic and Paralympic Winter Games By-law.

Signed by: \_\_\_\_\_  
*By-law Consultant*

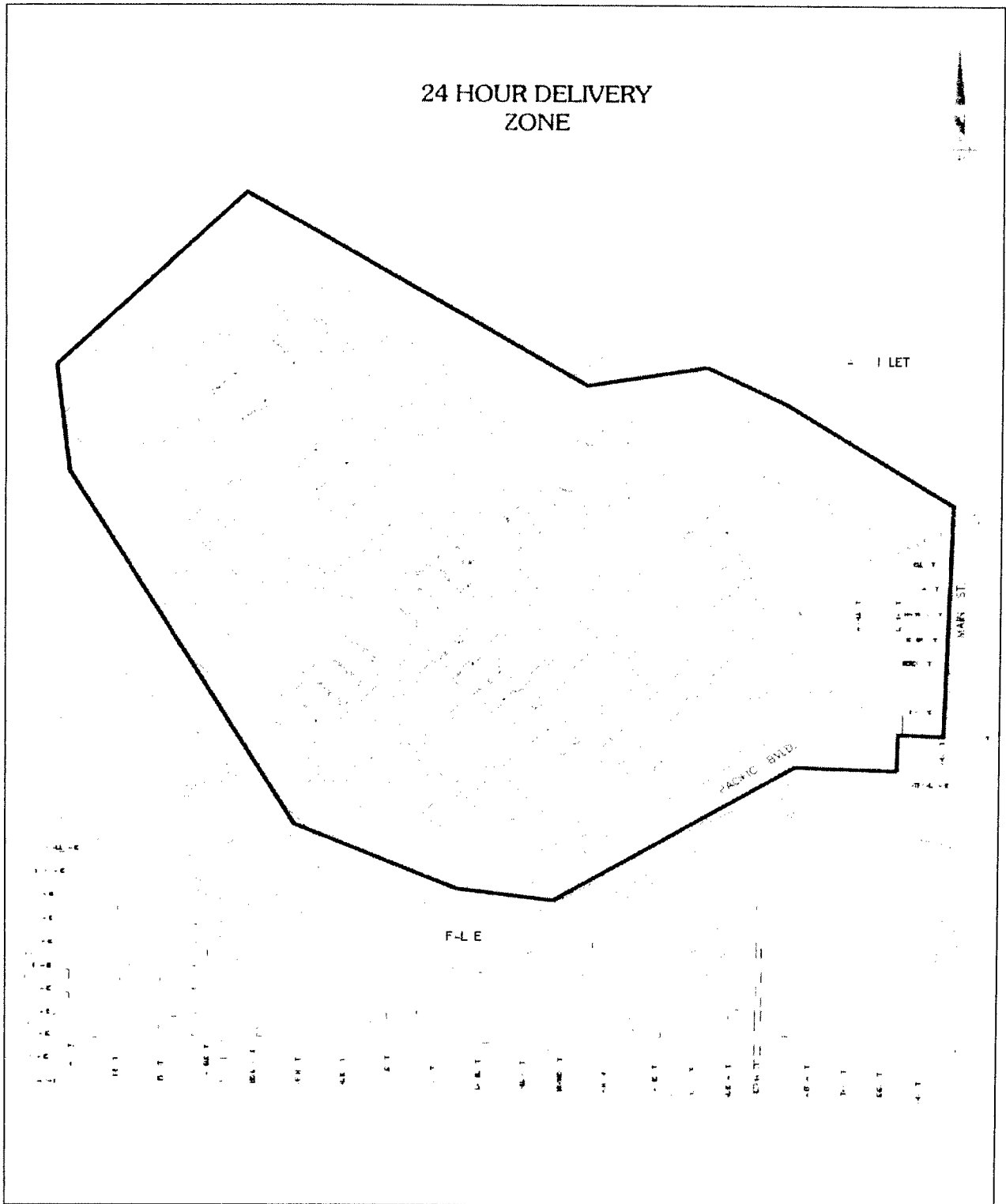
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Date: \_\_\_\_\_  
 (YY MM DD)





SCHEDULE H  
MAP OF 24 HOUR DELIVERY ZONE



**EXPLANATION****A By-law to amend  
Zoning and Development By-law No. 3575  
regarding additional floor area in connection with basements**

After the public hearing on June 16, 2009, Council resolved to approve amendments to the RS Districts to improve liveability in basements. Council passed By-law No. 9901 on July 7, 2009 for that purpose but it contained a very minor error. This By-law repeals By-law No. 9901, and essentially re-enacts it. This route was the most expeditious way to proceed. The Director of Planning has advised that there are no prior-to conditions, and enactment of the attached by-law will implement Council's resolution.

Director of Legal Services  
July 21, 2009

Additional floor area  
and basements



BY-LAW NO. \_\_\_\_\_

**A By-law to amend  
Zoning and Development By-law No. 3575  
regarding additional floor area in connection with basements**

THE COUNCIL OF THE CITY OF VANCOUVER, in public meeting, enacts as follows:

1. This By-law amends the indicated provisions of the Zoning and Development By-law.
2. Council repeals section 4.7.1 of the RS-1 District Schedule, and substitutes:

“4.7.1 The floor space ratio shall not exceed 0.60, subject to the following:

- (a) for buildings existing prior to April 12, 1988 the area of all floors at or above finished grade and of the floors of any storey, basement or cellar located below a storey which has a floor surface located 2.0 m or more above finished grade, all of which floors are located within the building depth as defined by section 4.16.1 of this Schedule shall not exceed a floor space ratio of 0.20 plus 130 m<sup>2</sup>;
- (b) in all other cases, the area of all floors at or above finished grade and of the floors of any storey, basement, or cellar located below a storey which has a floor surface located 1.8 m or more above finished grade, all of which floors are located within the building depth as defined by section 4.16.1 of this Schedule, shall not exceed a floor space ratio of 0.20 plus 130 m<sup>2</sup>;
- (c) notwithstanding clauses (a) and (b), where a site is 18.2 m or more in width and 500 m<sup>2</sup> or more in area the Director of Planning may permit an increase in the area of all floors as described in clause (a) or (b) as the case may be, to a floor space ratio not exceeding 0.3 plus 93 m<sup>2</sup> provided that:
  - (i) he considers the effect of the increase in floor area on adjacent properties and the character of the area, and
  - (ii) he first approves a plan showing existing and proposed trees and landscape;

- (d) if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.45, and the floor space ratio determined under subsection (a), (b), or (c) of section 4.7.1,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

an increase in the floor space ratio to 0.70 is permissible;

- (e) for buildings existing prior to July 7, 2009, if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
  - (ii) the area of all floors at, above or below finished grade, after the addition of a basement or cellar, does not exceed a floor space ratio of 0.75,
  - (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

a basement or cellar is permissible.”

- 3. Council repeals section 4.7.1 of the RS-1A District Schedule, and substitutes:

“4.7.1 The floor space ratio shall not exceed 0.60, except that:

- (a) where an existing lot is less than 7.3 m width the floor space ratio shall not exceed 0.45;
- (b) if:
  - (i) the area of all floors at or above finished grade does not exceed a floor space ratio of 0.45,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and

- (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

an increase in the floor space ratio to 0.70 is permissible;

- (c) for buildings existing prior to July 7, 2009, if:

- (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
- (ii) the area of all floors at, above or below finished grade, after the addition of a basement or cellar, does not exceed a floor space ratio of 0.75,
- (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
- (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

a basement or cellar is permissible.”

- 4. Council repeals section 4.7.1 of the RS-1B District Schedule, and substitutes:

“4.7.1 The total floor space ratio shall not exceed 0.60 and the area of any infill or secondary one-family dwelling shall not exceed 40 percent of the total floor area except that:

- (a) where an existing lot is less than 7.3 m in width the floor space ratio shall not exceed 0.45;
- (b) if:
  - (i) the area of all floors at or above finished grade does not exceed a floor space ratio of 0.45,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

an increase in the floor space ratio to 0.70 is permissible;

- (c) for buildings existing prior to July 7, 2009, if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
  - (ii) the area of all floors at, above or below finished grade, after the addition of a basement or cellar, does not exceed a floor space ratio of 0.75,
  - (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

a basement or cellar is permissible.”

5. Council repeals section 4.7.1 of the RS-2 District Schedule, and substitutes:

“4.7.1 The floor space ratio shall not exceed 0.60, except:

- (a) for multiple dwellings or sites with infill in which cases the floor space ratio shall not exceed 0.75;
- (b) if:
  - (i) the area of all floors at or above finished grade does not exceed a floor space ratio of 0.45,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, which perimeter includes covered porches,

in which case, an increase in the floor space ratio to 0.70 is permissible;

- (c) for buildings existing prior to July 7, 2009, if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
  - (ii) the area of all floors at, above or below finished grade does not exceed a floor space ratio of 0.75,

- (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
- (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

a basement or cellar is permissible.”

6. Council repeals section 4.7.1 of the RS-4 District Schedule, and substitutes:

“4.7.1 The floor space ratio shall not exceed 0.60, except:

- (a) for sites with infill in which cases the floor space ratio shall not exceed 0.75;
- (b) if:
  - (i) the area of all floors at or above finished grade does not exceed a floor space ratio of 0.45,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

in which case, an increase in the floor space ratio to 0.70 is permissible;

- (c) for buildings existing prior to July 7, 2009, if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
  - (ii) the area of all floors at, above or below finished grade, after the addition of a basement or cellar, does not exceed a floor space ratio of 0.75,
  - (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

a basement or cellar is permissible.”

7. Council repeals section 4.7.1 of the RS-5 District Schedule, and substitutes:

“4.7.1 The floor space ratio shall not exceed 0.60, subject to the following:

- (a) for buildings existing prior to April 12, 1988 the area of all floors at or above finished grade and of the floors of any storey, basement or cellar located below a storey which has a floor surface located 2.0 m or more above finished grade shall not exceed a floor space ratio of 0.20 plus 130 m<sup>2</sup>;
- (b) in all other cases, the area of all floors at or above finished grade and of the floors of any storey, basement or cellar located below a storey which has a floor surface located 1.8 m or more above finished grade shall not exceed a floor space ratio of 0.16 plus 130 m<sup>2</sup>;
- (c) the Director of Planning may permit an increase in the maximum floor space ratio to 0.70 and may permit an increase in the area of all floors described in clause (a) or (b) to a floor space ratio not exceeding 0.24 plus 130 m<sup>2</sup> provided that he considers the intent of this Schedule and all applicable policies and guidelines adopted by Council;
- (d) if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.45, and the floor space ratio determined under subsection (a) or (b) of section 4.7.1,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

an increase in the floor space ratio to 0.70 is permissible;

- (e) for buildings existing prior to July 7, 2009, if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
  - (ii) the area of all floors at, above or below finished grade, after the addition of a basement or cellar, does not exceed a floor space ratio of 0.75,
  - (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and



- (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

a basement or cellar is permissible.”

8. Council repeals section 4.7.1 of the RS-6 District Schedule, and substitutes:

“4.7.1 The floor space ratio shall not exceed 0.60, subject to the following:

- (a) for buildings existing prior to April 12, 1988 the area of all floors at or above finished grade and of the floors of any storey, basement or cellar located below a storey which has a floor surface located 2.0 m or more above finished grade, all of which floors are located within the building depth as defined by section 4.16 of this Schedule, shall not exceed a floor space ratio of 0.20 plus 130 m<sup>2</sup>;
- (b) for buildings existing prior to March 26, 1996 but not before April 12, 1988 the area of all floors at or above finished grade and of the floors of any storey, basement or cellar located below a storey which has a floor surface located 1.8 m or more above finished grade, all of which floors are located within the building depth as defined by section 4.16 of this Schedule shall not exceed a floor space ratio of 0.20 plus 130 m<sup>2</sup>;
- (c) in all other cases, the area of all floors at or above finished grade and of the floors of any storey, basement, or cellar located below a storey which has a floor surface located 1.8 m or more above finished grade, all of which floors are located within the building depth as defined by section 4.16 of this Schedule, shall not exceed a floor space ratio of 0.16 plus 130 m<sup>2</sup>;
- (d) notwithstanding section 4.7.1, the Director of Planning may permit an increase of the floor space ratio to 0.64 provided that:
  - (i) he considers all applicable policies and guidelines adopted by Council; and
  - (ii) the increase is subject to the following:
    - (1) the first and second storeys of the building shall not exceed a floor space ratio of 0.20 plus 130 m<sup>2</sup>;
    - (2) where a half storey is provided above the second storey, the area of all floors on the first, second, and half storey above the second storey shall not exceed a floor space ratio of 0.24 plus 130 m<sup>2</sup>;

- (3) the total floor space ratio may not exceed 0.60 plus the floor space ratio of the floor area counted above the second storey up to a maximum of 0.64;
- (e) if:
- (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.45, and the floor space ratio determined under subsection (a), (b), (c), or (d) of section 4.7.1,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,
- an increase in the floor space ratio to 0.70 is permissible;
- (f) for buildings existing prior to July 7, 2009, if:
- (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
  - (ii) the area of all floors at, above or below finished grade, after the addition of a basement or cellar, does not exceed a floor space ratio of 0.75,
  - (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,
- a basement or cellar is permissible.”

9. From section 4.7.3(h) of the RS-6 District Schedule, Council strikes out “4.7.6(a)”, and substitutes “4.7.5(a)”.

10. Council repeals section 4.7.4 of the RS-6 District Schedule.

11. Council re-numbers sections 4.7.5 and 4.7.6 of the RS-6 District Schedule as sections 4.7.4 and 4.7.5 respectively.

12. Council repeals section 4.7.1 of the RS-7 District Schedule, and substitutes:

“4.7.1 The floor space ratio shall not exceed 0.60, except that:

- (a) for a single-family house, a two-family house and a multiple conversion dwelling the Director of Planning may increase the floor space ratio to a maximum of 0.64, provided he first considers the intent of this Schedule and the applicable policies and guidelines adopted by Council;
- (b) if:
  - (i) the area of all floors at or above finished grade does not exceed a floor space ratio of 0.45,
  - (ii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iii) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

an increase in the floor space ratio to 0.70 is permissible;

- (c) for buildings existing prior to July 7, 2009, if:
  - (i) the area of all floors at or above finished grade does not exceed the lesser of a floor space ratio of 0.50 and the existing floor space ratio,
  - (ii) the area of all floors at, above or below finished grade, after the addition of a basement or cellar, does not exceed a floor space ratio of 0.75,
  - (iii) the area of any floor, including the basement or cellar, does not exceed a floor space ratio of 0.25, and
  - (iv) no portion of the basement or cellar projects horizontally beyond the perimeter of the first storey, including covered porches,

a basement or cellar is permissible.”

13. From section 4.17.1 of the RS-1 District Schedule, sections 4.7.1(b), 4.7.3(g) and 4.17.1 of the RS-3 and RS-3A Districts Schedule, section 4.17.1 of the RS-5 District Schedule, sections 4.7.2(d), the new 4.7.5(a)(ii) and 4.17.1 of the RS-6 District Schedule, Council strikes out "1.2 m", and substitutes "1.8 m".

14. In section 4.3. of the RS-1 District Schedule, Council from:

- (a) the first paragraph of each of sections 4.3.1 and 4.3.4, strikes out "9.2", and substitutes "9.5";
- (b) section 4.3.1(a), strikes out "4.6", and substitutes "4.9"; and
- (c) section 4.3.1(b), strikes out "7.3, and substitutes "7.6".

15. This By-law repeals By-law No. 9901.

16. A decision by a court that any part of this By-law is illegal, void, or unenforceable is not to affect the balance of the By-law

17. This By-law is to come into force and take effect on the date of its enactment.

ENACTED by Council this \_\_\_\_\_ day of \_\_\_\_\_, 2009

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk