Part 11
Renovation

Part 11
Renovation

Section 11.1. General

11.1.1. Scope

11.1.1.1. Scope

(1) The scope of this Part shall be as described in Section 2.1.

11.1.1.2. Definitions

(1) In this Part,

Building system means a combination of elements or components that form a complete major division of *construction* in the design of a *building* or part of a *building*, including a structural or framing system, a waterproofing system, a *drainage system*, an exterior cladding system, a roofing system, a window system, a partition system, a corridor system, a stair system, a fire alarm and detection system, a sprinkler system or a heating, ventilation or *air conditioning* system, a *foundation* system, a standpipe and hose system, a flooring system, a *plumbing system*, a *sewage system* or an electrical system.

11.1.2. Application

11.1.2.1. Extension, Material Alteration or Repair

(1) Where an existing *building* is subject to extension, material alteration or repair,

(a) the proposed *construction* shall comply with Section 11.3., and

(b) the *performance level* of the *building* shall be evaluated and compensating *construction* shall be undertaken in accordance with Section 11.4.

Section 11.2. Classification of Existing Buildings

11.2.1. Classification

11.2.1.1. Construction Index and Hazard Index

(1) Where proposed *construction* will result in the change of *major occupancy* of all or part of an existing *building* to another *major occupancy*, the *building* shall be classified as to its,

(a) *construction* on the basis of *construction index* as provided for in this Part including Table 11.2.1.1.A., and

(b) *occupancy* on the basis of *hazard index* as provided for in this Part including Tables 11.2.1.1.B. to 11.2.1.1.N.

(2) Small or medium sized existing *buildings* as determined in Tables 11.2.1.1.B. to 11.2.1.1.N. facing multiple *streets* may be assigned a *hazard index* credit of 1, which may be subtracted from the *hazard index* of the proposed *major occupancy* to reduce the additional upgrading required by Table 11.4.3.4.A. provided

(a) the *building* does not contain a Group B, Division 1; a Group C, or a Group F, Division 1 *occupancy*, and

(b) fire fighting access complying with Articles 3.2.5.1., 3.2.5.2., 3.2.5.3., 3.2.5.4. and 3.2.5.5. or Subsection 9.10.19., or an approved *alternative measure*, is provided from all *streets*.

(3) The requirements of Articles 3.2.2.20. to 3.2.2.83. do not apply to this Part.

11.2.1.2. Multiple Occupancies

(1) The classification of an existing *building* of multiple *occupancy* under Article 11.2.1.1. shall be applied according to Articles 3.2.2.5. to 3.2.2.8.

11.2.1.3. Prohibition of Occupancy Combinations

(1) Nothing in this Part relieves an applicant from

complying with the requirements of Articles 3.1.3.2. or 9.10.9.12.

Section 11.3. Proposed Construction

11.3.1. New and Existing Building Systems

11.3.1.1. Material Alteration or Repair of a Building System

(1) Where an existing *building system* is materially altered or repaired, the *performance level* of the *building* after the material alteration or repair shall be at least equal to the *performance level* of the *building* prior to the material alteration or repair.

11.3.1.2. New Building Systems and Extension of Existing Building Systems

(1) Except as provided in Article 11.3.3.1. and Section 11.5., the design and *construction* of a new *building system* or the extension of an existing *building system*, shall comply with all other Parts of the Code.

11.3.2. Extension of Buildings

11.3.2.1. Portion of Extended Buildings

(1) Where an existing *building* is extended,
(a) this Part applies to the existing portion of the *building*, and
(b) the extended portion of the *building* shall comply with all other Parts of the Code.

11.3.3. Renovation

11.3.3.1. Basic Renovation

(1) Except as provided in Sentence (2) and Article 11.3.3.2., *construction* may be carried out to maintain the existing *performance level* of all or part of an existing *building*, by the reuse, relocation or extension of the same or similar materials or components, to retain the existing character, structural uniqueness, heritage value, or aesthetic appearance of all or part of the *building* if, the *construction* will not adversely affect the early warning and evacuation systems, fire separations, the structural adequacy or create an unhealthy environment in the *building*.

(2) *Construction* in respect of a *hotel* may only be carried out in accordance with Sentence (1) provided that the *construction* will be in conformance with Part 9 of the Ontario Fire Code made under the *Fire Protection and Prevention Act, 1997.*

11.3.3.2. Extensive Renovation

(1) Except as provided in Subsection 11.5.2., where existing interior walls or ceilings or floor assemblies or roof assemblies are substantially removed in an existing *building* and new interior walls, ceilings, or floor assemblies are installed in the *building*, structural and fire-resistance elements shall be constructed in compliance with the requirements of the other Parts of the Code.

11.3.4. Plumbing

11.3.4.1. Existing Plumbing System

(1) Notwithstanding Subsections 11.3.1., 11.3.2., 11.3.3., where an existing *plumbing system* is extended or subject to material alteration or repair, the *construction* of plumbing shall comply with Part 7.

Section 11.4. Performance Level Evaluation and Compensating Construction

11.4.1. General

11.4.1.1. Performance Level

(1) The *performance level* of a *building* after *construction* shall not be less than the *performance level* of the *building* prior to *construction*.

(2) For the purposes of Sentence (1), reduction of *performance level* shall be determined in accordance with Subsection 11.4.2.

(3) Where the proposed *construction* would reduce the *performance level* of an existing *building*, compensating *construction* shall be required in conformance with Subsection 11.4.3.

11.4.2. Reduction in Performance Level

11.4.2.1. Structural

(1) The *performance level* of an existing *building* is reduced where after proposed *construction* in all or part of an existing *building*,

(a) the *major occupancy* will change to a different *major occupancy*,

(b) the *occupant load* will increase by more than 15%, or

(c) the *live load* will increase due to change in use within the same *major occupancy*,

and the existing structural floor and roof framing systems and their supporting members after the *construction* are not adequate to support the proposed *dead loads* and *live loads*.

11.4.2.2. Increase in Occupant Load

(1) Except as required in Sentences 11.4.2.5.(2) and (3), the *performance level* of an existing *building* is reduced where proposed *construction* will increase the *occupant load* of an existing *building* by more than 15%.

(2) The *performance level* of an existing *building* is reduced where proposed *construction* will increase the *occupant load* by 15% or less and the new *occupant load* will be more than 15% above the *occupant load* for which a fire alarm system is required under Sentence 3.2.4.1.(2).

(3) The *performance level* of an existing *building* is reduced where proposed *construction* will increase the *occupant load* by 15% or less and the new *occupant load* will be more than 15% above the existing exit capacity as required under Article 3.4.3.4.

11.4.2.3. Change of Major Occupancy

(1) Except as required in Sentence 11.4.2.5.(4), the *performance level* of an existing *building* is reduced where proposed *construction* will result in

(a) the change of the *major occupancy* of all or part of an existing *building* to another *major occupancy* of a greater *hazard index*,

(b) the conversion of a *suite* of a Group C *major occupancy* into more than one *suite* of Group C *major occupancy*,

♣ (b.1) a *suite* or part of a *suite* of a Group A, Division 2 or a Group A, Division 4 *major occupancy* is converted to a *gaming premise*,

(c) the change of a *farm building* or part of a *farm building* to a *major occupancy*, or

(d) the change in use of a *building* or part of a *building* where the previous *major occupancy* of the *building* or part of the *building* cannot be determined.

(2) For the purpose of this Article and Sentences 11.4.2.1.(1) and 11.4.2.5.(4), the change of use set out in Clauses (1)(b) to (d) shall also be deemed to constitute a change in *major occupancy*.

(3) The *performance level* of an existing *building* is reduced where the early warning and evacuation systems requirements of other Parts of the Code for the proposed *major occupancy* exceed those of the existing *building*.

(4) The *performance level* of an existing *building* is reduced where the proposed *major occupancy* in the *building* is not separated from the adjoining *major occupancies* by *fire separations* having *fire-resistance ratings* conforming to Tables 3.1.3.1. and 11.4.3.4.B.

(5) The *performance level* of an existing *building* is reduced where the *occupancy* of all or part of an existing *building* of *combustible construction* is changed to a new *major occupancy* that would require the *building*, if it were a new *building*, to be *constructed* of *noncombustible construction*.

11.4.2.4. Plumbing

(1) The *performance level* of an existing *building* is reduced where the existing *building* is extended or subject to material alteration or repair, and *plumbing* in the existing *building* is adversely affected by the extension, alteration or repair.

11.4.2.5. Sewage Systems

(1) The *performance level* of an existing *building* is reduced where the existing *building* is extended or subject to material alteration or repair and a *sewage system* serving the existing *building* is adversely affected by the extension, alteration or repair of the existing *building*.

(2) Except as provided in Sentence (3), the *performance level* of an existing *building* is reduced where proposed *construction* will increase the *occupant load* of an existing *building*, and the new *occupant load* will result in the total daily design *sanitary sewage flow* of the *building*, calculated in accordance with Article 8.2.1.3., exceeding the capacity of any component of a *sewage system* serving the *building*.

(3) The *performance level* of an existing *dwelling unit* is reduced where *proposed construction* which,

(a) increases the number of bedrooms in the *dwelling unit*,

(b) exceeds 15% of the finished area of the *dwelling unit*, or
(c) adds new *plumbing fixtures to the dwelling unit*,

will result in the total daily design *sanitary sewage* flow of the *dwelling unit*, calculated in accordance with Article 8.2.1.3., exceeding the capacity of any component of a *sewage system* serving the *dwelling unit*.

(4) The *performance level* of an existing *building* is reduced where proposed *construction* will result in the change of a *major occupancy* of all or part of the existing *building* to another *major occupancy* and:

(a) the total daily design *sanitary sewage flow* of the proposed *major occupancy*, calculated in accordance with Article 8.2.1.3., exceeds the capacity of any component of a *sewage system* serving the *building*, or
(b) the type or amount of *sanitary sewage* which will, under the proposed *major occupancy*, be discharged to a *sewage system* serving the *building*, is prohibited by Article 8.1.3.1..

11.4.3. Compensating Construction

11.4.3.1. General

(1) Where the *performance level* of an existing *building* is reduced under Subsection 11.4.2., compensating *construction* shall be carried out in accordance with this Subsection.

(2) Except as provided in Sentence (3) compensating *construction* required under this Subsection applies to the part of the *building* being altered and shall include

(a) *fire separations*, with the required *fire-resistance ratings*, separating the part being altered from the *floor areas* immediately above and below and from the immediate adjacent areas, and
(b) *access to exits* and *exits* from the *building*, where the alteration adversely affects the *exit* system of the *building*.

(3) Compensating *construction* required under this Subsection applies to the existing *building systems* that are adversely affected by the proposed *construction*.

11.4.3.2. Structural

(1) Where the *performance level* of an existing *building* is reduced under Sentence 11.4.2.1.(1),

(a) remedial measures shall be taken to support the proposed loads, or
(b) the portion of the floor affected by the proposed loads shall be restricted to the loading it will support and signs stating the restrictions shall be posted.

11.4.3.3. Increase in Occupant Load

(1) Where the *performance level* of an existing *building* is reduced under Sentences 11.4.2.2.(1), (2) or (3) the *building* shall be evaluated, and the early warning and evacuation systems shall be upgraded, in conformance with the applicable requirements of Table 11.4.3.3.

(2) Sentence (1) does not apply in a Group C *occupancy* where the new total *occupant load* is,

(a) 14 persons or less in a *boarding, lodging or rooming house*, except that where the *occupant load* is between 10 and 15 persons, an interconnected system of *smoke alarms* in corridors near stairways is required, or
(b) 16 persons or less in a *building* containing residential *suites* which are *dwelling units*, except that where the *occupant load* is between 10 and 17 persons, an interconnected system of *smoke alarms* in corridors near stairways is required.

(3) Where the *performance level* of an existing *building* is reduced under Sentence 11.4.2.2.(1), additional *construction* shall be required in order that the *building* or part of the *building* subject to the increase in *occupant load* conforms to the requirements of Articles 3.7.4.2. and 9.31.1.1.

11.4.3.4. Change in Major Occupancy

(1) Where the *performance level* of an existing *building* is reduced under Sentence 11.4.2.3.(1), additional upgrading shall be required in conformance with Table 11.4.3.4.A. and so that the *construction index* of the *building* is increased to at least equal the *hazard index* of the new *major occupancy* that the *building* is to support.

(2) Where the *performance level* of an existing *building* ★ is reduced under Sentence 11.4.2.3.(1), additional *construction* shall be required in order that the *building* or part of the *building* subject to change of *major occupancy* conforms to the requirements of Subsection 3.2.6., Sections 3.7., 3.11., 3.11A., 9.5., and 9.7., Subsections 9.10.16., Sections 9.31. and 9.32., and Subsections 9.34.1., 9.34.2., and 9.34.3. as they apply to the new *major occupancy* that the *building* or part of the *building* is to support.

(3) Where the *performance level* of an existing *building* is reduced under Sentence 11.4.2.3.(3), the *building* shall be evaluated, and the early warning and evacuation systems shall be upgraded, in conformance with the applicable requirements of Table 11.4.3.3.

(4) Where the *performance level* of an existing *building* is reduced under Sentence 11.4.2.3.(4), upgrading of those systems shall be required in conformance with the applicable requirements of Article 3.1.3.1. and Table 11.4.3.4.B.

(5) Where the *performance level* is reduced under Sentence 11.4.2.3.(5) the requirement for *noncombustible construction* is satisfied if the *building* is *sprinklered*.

11.4.3.5. Plumbing

(1) Where the *performance level* of an existing *building* is reduced under Sentence 11.4.2.4.(1), upgrading of *plumbing* in the existing *building* which is adversely affected by the extension, alteration or repair shall be required in conformance with Part 7.

11.4.3.6. Sewage Systems

(1) Where the *performance level* of an existing *building* is reduced under Article 11.4.2.5., upgrading of a *sewage system* which is adversely affected by the *construction*, increase in *occupant load*, increase in the total daily design *sanitary sewage* flow or change in amount or type of *sanitary sewage* shall be required in conformance with Part 8.

Section 11.5. Compliance Alternatives and Alternative Measures

11.5.1. Compliance Alternatives

11.5.1.1. Compliance Alternatives

(1) A *compliance alternative* shown in Tables 11.5.1.1.A., 11.5.1.1.B., 11.5.1.1.C., 11.5.1.1.D/E. or 11.5.1.1.F. may be substituted for a requirement contained in Part 3, 4, 5, 6, 7 or 8 where the *chief building official* is satisfied that compliance with the requirement is impracticable because,

(a) of structural or *construction* difficulties, or

(b) it is detrimental to the preservation of a *heritage building*.

(2) A *compliance alternative* shown in Tables 11.5.1.1.A., 11.5.1.1.B., 11.5.1.1.C., 11.5.1.1.D/E. or 11.5.1.1.F. may be substituted for a requirement contained in Part 9 without satisfying the *chief building official* that compliance with the requirement is impracticable.

11.5.2. Alternative Measures

11.5.2.1. Alternative Measures

(1) An *alternative measure* may be utilized where the *chief building official* is satisfied that

(a) compliance with the requirement of Part 3, 4, 5, 6, 7, 8 or 9 of the Code or with the *compliance alternative*, as the case may be, is impracticable because

(i) of structural or *construction* difficulties, or

(ii) it is detrimental to the preservation of a *heritage building*, and

(b) the *performance level* of the *building* after the use of the *alternative measure* shall not be less than the *performance level* of the *building* prior to *construction*.

Table 11.2.1.1.A.
Contruction Index
Forming Part of Sentence 11.2.1.1.(1)

Fire-Resistance Rating			Type of *Construction*	C.I.[2]
Floors over *Basement*	Other Floors	Roof		
3 h	3 h	1.5 h	*Noncombustible*	8 [1]
2 h	2 h	1 h	*Noncombustible*	7
1 h	1 h	45 min	*Noncombustible*	6
45 min	45 min	0 h	*Noncombustible*	5
45 min	45 min	45 min	*Heavy Timber*	5
45 min	45 min	45 min	*Combustible*	5
45 min	0 h	0 h	*Noncombustible*	4
45 min	45 min	0 h	*Combustible*	4
30 min	0 h	0 h	*Noncombustible*	3
30 min	30 min	0 h	*Combustible*	3
0 h	30 min	0 h	*Combustible*	2
0 h	0 h	0 h	*Combustible*	1 [1]
Column 1	2	3	4	5

Notes to Table 11.2.1.1.A.:

(1) C.I. of 1 is lowest fire protection *performance level* and C.I. of 8 is highest.

(2) Take highest rating for C.I. from Table 11.2.1.1.A. for existing *building*.

Table 11.2.1.1.B.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

(1)
(2)

Group A Division 1	Occupancy H.I.[5]		
	Small	Medium	Large
Dinner Theatres	4	5	6
Live Theatres	4	5	6
Motion Picture Theatres	4	5	6
Opera Houses	4	5	6
Television Studios (With Audience)	4	5	6
Column 1	2	3	4

Notes to Table 11.2.1.1.B.:
(1)

Building Size (Maximum) [2][3]	
- 300 *occupant load* maximum / 1 *storey* - 600 m^2 (6460 ft^2)/ 600 *occupant load* maximum / 1 *storey* with less than 40% 2 *storey*[6] - Any area / not exceeding 18 m (59 ft 1 in) *building height* - Over 18 m (59 ft 1 in) *building height*	Small Medium Large H.I. = 7

(2) Sizes are based on *building area* and *building height.*
(3) *Building* size is based on the existing *building* facing one *street.*
(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.
(5) Take lowest rating for H.I. from Table for *major occupancy* change.
(6) *Building* may have less than 40% of its area as 2 *storey* for purposes as described in Clauses 3.2.2.21.(1)(b) and (c).

♣

Table 11.2.1.1.C.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

(1)
(2)

Group A Division 2	Occupancy H.I.[5]		
	Small	Medium	Large
Art Galleries	3	4	6
Auditoria	3	4	6
Billiard Halls, Amusement Arcades	3	4	6
Bowling Alleys	3	4	6
Column 1	2	3	4

Table 11.2.1.1.C. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

(1)
(2)

Group A Division 2	Occupancy H.I.[5]		
	Small	Medium	Large
Churches	3	4	6
Clubs, Lodges (Non-Residential)	3	4	6
Community Halls	3	4	6
Concert Halls	3	4	6
Court Rooms	3	4	6
Dance Halls	3	4	6
Daycare Centres	3	4	6
Exhibition Halls (Without Sales)	3	4	6
Exhibition Halls (With Sales)	See Group E		
♣ *Gaming premise*	3	4	6
Gymnasia (Multi-Purpose)	3	4	6
Gymnasia (Athletic)	3	4	6
Lecture Halls	3	4	6
Libraries	3	4	6
Licensed Beverage Establishments	3	4	6
Licensed Clubs, Lodges	3	4	6
Museums	3	4	6
Passenger Stations / Depots	3	4	6
Public Heritage Buildings	3	—	—
Recreational Piers	3	4	6
Restaurants	3	4	6
Schools, Colleges	3	4	6
Undertaking Premises	3	4	6
Column 1	2	3	4

Table 11.2.1.1.C. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Notes to Table 11.2.1.1.C.:

(1)

Building Size (Maximum) [2][3]	
- 400 m^2 (4310 ft^2)/ 1 *storey*	Small
- 250 m^2 (2690 ft^2)/ 3 *storey* (*Public Heritage Building*)	Small
- 800 m^2 (8610 ft^2)/ 2 *storey*	Medium
- Any area / not exceeding 18 m (59 ft 1 in) *building height*	Large
- Over 18 m (59 ft 1 in) *building height*	H.I. = 7

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) Take lowest rating for H.I. from Table for *major occupancy* change.

(6) *Building* exceeding 3 *storeys* in *building height* and which are *combustible* shall be *sprinklered*..

Table 11.2.1.1.D.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group A Division 3	Occupancy H.I.[5]			(1) (2)
	Small	Medium	Large	
Arenas (No Occupancy On Activity Surface)	3	4	6	
Armouries (No Occupancy On Activity Surface)	3	4	6	
Enclosed Stadia or Grandstand	3	4	6	
Ice Rinks (No Occupancy On Activity Surface)	3	4	6	
Indoor Swimming Pools	3	4	6	
Column 1	2	3	4	

Notes to Table 11.2.1.1.D.:

(1)

Building Size (Maximum) [2][3]	
- 1000 m^2 (10,800 ft^2)/ 1 *storey*	Small
- 2000 m^2 (21,500 ft^2)/ 2 *storey*	Medium
- Any area / not exceeding 18 m (59 ft 1 in) in *building height*	Large
- Over 18 m (59 ft 1 in) in *building height*	H.I. = 7

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) Take lowest rating for H.I. from Table for *major occupancy* change.

Table 11.2.1.1.E.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group A Division 4	Occupancy H.I.[6]			(1) (2)
	Small	Medium	Large	
Amusement Park Structures	2	3	5	
Bleachers	1	3	5	
Grandstands (Open)	1	3	5	
Reviewing Stands	1	3	5	
Stadia (Open)	1	3	5	
Column 1	2	3	4	

Notes to Table 11.2.1.1.E.:

(1)

Building Size (Maximum) [2][3]	
- 2,500 *occupant load* max./min. *limiting distance* of 6 m(19 ft 8 in) (*combustible*) - 15,000 *occupant load* maximum (with roof at least ½ rating if *combustible*) - Unlimited *occupant load*	Small Medium Large

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) Take lowest rating for H.I. from Table for *major occupancy* change.

Table 11.2.1.1.F.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group B Division 1	Occupancy H.I.[3][5]			(1) (2)
	Small	Medium	Large	
Detention Facilities (Minimum Security)[4]	4	5	6	
Detention Facilities (All other types of security)	6	6	7	
Police Station with Detention	3	—	—	
Column 1	2	3	4	

Notes to Table 11.2.1.1.F.:

(1)

Building Size (Maximum)[2]	
- Any area / 1 *storey*	Small
- 600 m^2 (6460 ft^2)/1 *storey* (Police Station with Detention)	Small
- Any area (*noncombustible*) / 2 *storey*	Medium
- Any area (*noncombustible*); 500 m^2 (5380 ft^2)(*combustible*) / 2 *storey*	Large
- Over 18 m (59 ft 1 in) in *building height* (*noncombustible*)	H.I. = 7
- Over 500 m^2 (5380 ft^2) (*combustible*) / over 2 *storey*	H.I. = 7

(2) Sizes are based on *building area* and *building height.*

(3) When the size of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

(4) Minimum security - means occupants free to *exit* building in a fire emergency.

(5) *Detention occupancy* with any H.I. shall be *sprinklered.*

Table 11.2.1.1.G.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group B Division 2	Occupancy H.I.[5][7]			(1) (2)
	Small	Medium	Large	
Hospital, Nursing Home, Geriatric, Sanitorium [6] (Immobile)	4	5	7	
Hospital, Nursing Home, Geriatric, Sanitorium [6] (Non-Ambulatory)	4	5	6	
Hospital, Nursing Home, Geriatric, Sanitorium [6] (Ambulatory)	3	4	6	
Psychiatric Hospitals (Maximum Confinement)	4	5	7	
Psychiatric Hospitals (Minimum Confinement)	3	4	6	
Police Station With Detention	3	—	—	
Column 1	2	3	4	

Table 11.2.1.1.G. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Notes to Table 11.2.1.1.G.:

(1)

Building Size (Maximum)[2][3]	
- 250 m² (2690 ft²)/ 1 storey	Small
- 600 m² (6460 ft²) /1 *storey* (Police Station with Detention)	Small
- 500 m² (5380 ft²)/ 2 *storey*; 1000 m² (10,800 ft²)/ 1 *storey*	Medium
- Any area (*noncombustible*); 500 m² (5380 ft²) (*combustible*) / 2 *storey*	Medium
- Any area / not exceeding 18 m (59 ft 1 in) in *building height*	Large
- Over 18 m (59 ft 1 in) in *building height*	H.I. = 7

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) When the *size* of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

(6) Immobile-means patients attached to life support systems and cannot be moved. Non-Ambulatory-means patients confined to bed and require transportation. Ambulatory-means patients may walk on their own.

(7) *Care and treatment occupancy* with any H.I. shall be *sprinklered*.

Table 11.2.1.1.H.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group B Division 3	Occupancy H.I.[4][5]		
	Small	Medium	Large
Residential care facilities			
(Ambulatory)	3	4	6
(Non-Ambulatory)	4	5	6
Children Custodial Homes	3	4	6
Convalescent Homes			
(Ambulatory)	3	4	6
(Non-Ambulatory)	4	5	6
Orphanages	3	4	6
Sanatoria Without Detention Quarter			
(Min. Confinement)	3	4	6
(Max. Confinement)	4	5	6
Group Homes For Developmentally Handicapped Residents			
(Min. Confinement)	3	4	6
(Max. Confinement)	4	5	6
Column 1	2	3	4

Table 11.2.1.1.H. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Notes to Table 11.2.1.1.H.:

(1)

Building Size (Maximum)[2][3]	
- 600 m^2 (6480 ft^2) / 1 *storey*	Small
- 500 m^2 (5380 ft^2) / 2 *storey;* 1000 m^2 (10,800 ft^2) / 1 *storey*	Medium
- Any area / not exceeding 18 m (59 ft 1 in) in *building height*	Large
- Over 18 m (59 ft 1 in) in *building height*	H.I. = 7

(2) Sizes are based on *building area* and *building height*

(3) *Building* sizes is based on the existing *building* facing one *street*

(4) When the size of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

(5) *Care occupancy* with any H.I. shall be *sprinklered.*

Table 11.2.1.1.I.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group C	Occupancy H.I.[4]			(1) (2)
	Small	Medium	Large	
Apartments	3	4	6	
Boarding Houses/Group Homes	3	—	—	
Clubs, Residential	3	4	6	
Colleges, Residential	3	4	6	
Convents	3	4	6	
Dormitories/Hostels	3	4	6	
Hotels	3	5	6	
Houses, S.F.	2	2	—	
Lodging Houses	3	—	—	
Live/work units	4	5	7	
Monasteries	3	4	6	
Public Heritage Buildings	3	—	—	
Rectories	2	—	—	
Retirement Homes	3	4	6	
Rooming Houses	3	—	—	
Schools, Residential	3	4	6	
Column 1	2	3	4	

Notes to Table 11.2.1.1.I.:

(1)

Building Size (Maximum) [2][3]	
- 600 m^2 (6480 ft^2)/ 3 *storey*	Small
- 250 m^2 (2690 ft^2)/ 3 storey (*Public Heritage Building*)	Small
- 2000 m^2 (21,500 ft^2)/ not exceeding 6 *storeys*	Medium
- Any area / not exceeding 36 m (118 ft 1 in) in *building height*	Large
- Over 36 m (118 ft 1 in) in *building height*	H.I. = 7
- *Hotels* over 18 m (59 ft 1 in) high, measured between *grade* and the floor level of the top *storey*	H.I. = 7

(2) Sizes are based on *building area* and *building height.*

(3) *Building* exceeding 3 *storeys* in *building height* and which are *combustible* shall be *sprinklered.*

(4) Take lowest rating for H.I. from Table for *major occupancy* change.

Table 11.2.1.1.J.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group D	Occupancy H.I.[5]			(1) (2)
	Small	Medium	Large	
Advertising and Sales Offices	3	3	5	
Automatic Bank Deposit	3	4	5	
Barber/Hairdresser Shops	3	4	5	
Beauty Parlours	3	4	5	
Branch Banks	3	4	5	
Car Rental Premises	3	3	5	
Chiropractic Offices	3	4	5	
Communications Offices (Telephone E.)	3	4	5	
Communications Offices (Telex)	3	4	5	
Communications Offices (Courier)	3	3	5	
Computer Centres	3	4	5	
Construction Offices	3	3	5	
Costume Rental Premises	3	4	5	
Dental Offices (Denture Clinic)	3	4	5	
Dental Offices (General)	3	4	5	
Dental Offices (Surgical/Anaesthesia)	4	5	6	
Dry Cleaning Depots	3	4	5	
Dry Cleaning Premises (Self-Serve)	4	4	5	
Health/Fitness Clubs	3	4	5	
Laundries (Self-Serve)	4	4	5	
Massage Parlours	3	4	5	
Medical Offices (Examination)	3	4	5	
Medical Offices (Surgical/Anaesthesia)	4	5	6	
Offices (Business)	3	3	5	
Offices (Charitable)	3	3	5	
Column 1	2	3	4	

Table 11.2.1.1.J. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group D	Occupancy H.I.[5]		
	Small	Medium	Large
Offices (Legal/Accounting)	3	3	5
Offices/Studios (Design)	3	4	5
Pharmacy Offices	3	4	5
Photographic Studios	3	4	5
Physiotherapy Offices	3	4	5
Police Stations (No Detention)	3	4	5
Printing and Duplicating	4	5	6
Public Heritage Buildings	3	—	—
Public Saunas	3	4	5
Radio Stations (No Audience)	3	4	5
Small Tool Rental Premises	3	4	5
Suntan Parlours	3	4	5
Veterinary Offices	3	4	5
Column 1	2	3	4

Notes to Table 11.2.1.1.J.:

(1)

Building Size (Maximum) [2][3]	
- 800 m^2 (8610 ft^2)/ 2 *storey*	Small
- 250 m^2 (2690 ft^2)/ 3 storey (*Public Heritage Building*)	Small
- 1600 m^2 (17,200 ft^2)/ 3 *storey*	Medium
- Any area / not exceeding 18 m (59 ft 1 in) in *building height*	Large
- Over 18 m, but not exceeding 36 m (118 ft 1 in) in *building height*	H.I. = 6
- Over 36 m (118 ft 1 in) in *building height*	H.I. = 7

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) When the size of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

Table 11.2.1.1.K.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group E	Occupancy H.I.[5]			(1) (2)
	Small	Medium	Large	
Automotive/Hardware Department Stores	4	5	7	
China Shops	3	4	6	
Department Stores	4	5	7	
Electrical Stores (Fixtures)	3	3	5	
Exhibition Halls (With Sales)	4	5	7	
"Fast Food" Outlets	3	4	5	
Feed and Seed Stores	4	5	7	
Flea Markets	4	5	7	
Flowers Shops	3	4	6	
"Food" and Vegetable Markets	3	4	6	
Garden Shops	3	4	6	
"Gas" Bars	4	5	7	
Gift Shops	3	4	6	
Home Improvement Stores	4	5	7	
Kitchen/Bathroom Cupboards Stores	3	4	6	
Plumbing Stores (Fixtures/Accessories)	3	3	5	
"Pop" Shops	3	4	6	
Public Heritage Buildings	3	—	—	
Rentals (See "D")	—	—	—	
Restaurants (Not More Than 30 Persons)	3	4	5	
Shopping Malls	4	5	7	
Stationery/Office Supply Stores	3	4	6	
Stores (Art)	3	4	6	
Stores (Baked Goods)	3	4	6	
Column 1	2	3	4	

Table 11.2.1.1.K. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group E	Occupancy H.I.[5]			(1) (2)
	Small	Medium	Large	
Stores (Beer)	3	4	6	
Stores (Book)	3	4	6	
Stores (Camera)	3	4	6	
Stores (Candy)	3	4	6	
Stores (Clothing)	3	4	6	
Stores (Drugs)	4	4	6	
Stores (Electronic)	3	4	6	
Stores (Floor Coverings)	4	5	7	
Stores (Food)	3	3	6	
Stores (Furniture/Appliances)	3	4	6	
Stores (Hardware)	4	5	7	
Stores (Health)	4	4	6	
Stores (Hobby)	3	4	6	
Stores (Jewellery)	3	3	5	
Stores (Paint/Wallpaper)	4	5	7	
Stores (Pet)	3	4	6	
Stores (Records/Tapes)	3	4	6	
Stores (Spirits)	4	5	7	
Stores (Toys)	4	5	7	
Stores (Variety)	4	4	6	
Stores (Video Sales/Rental)	3	4	6	
Supermarkets	3	4	6	
Column 1	2	3	4	

Table 11.2.1.1.K. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Notes to Table 11.2.1.1.K.:

(1)

Building Size (Maximum) [2][3]	
- 600 m^2 (6480 ft^2)/ 2 *storey*	Small
- 250 m^2 (2690 ft^2)/ 3 storey (*Public Heritage Building*)	Small
- 800 m^2 (8610 ft^2)/ 3 *storey*	Medium
- Any area / up to 18 m (59 ft 1 in) in *building height*	Large
- Over 18 m (59 ft 1 in) in *building height*	H.I. = 7

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) When the size of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

(6) All *buildings* 1,500 m^2 (16,100 ft^2) and over are to be *sprinklered*.

Table 11.2.1.1.L.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group F Division 1	Occupancy H.I.[3]		
	Small	Medium	Large
Ammunition Manufacturing and Storage	3	6	8
Black Powder Manufacturing and Storage	3	6	8
Bulk Plants for Flammable Liquids	3	6	8
Bulk Storage Warehouse (Hazardous Substances)	3	6	8
Cereal and Feed Mills	3	6	8
Chemical Manufacturing/Processing Plant	3	6	8
Distilleries	3	6	8
Dry Cleaning Plants (Flammable)	3	6	8
Explosives Manufacturing and Storage	3	6	8
Fertilizer Manufacturing Plants	3	6	8
Fireworks Manufacturing and Storage	3	6	8
Flour Mills	3	6	8
Gas (Flammable) Compressor Stations	3	6	8
Gas (Flammable) Manufacturing and Storage	3	6	8
Grain Elevators	3	6	8
Lacquer Factories	3	6	8
Loading Area for all Group F, Division 1	3	6	8
Mattress Factories (High Fire Load)	3	6	8
Paint/Varnish/Pyroxylin Factories	3	6	8
Petrochemical Plants	3	6	8
Refineries	3	6	8
Rubber Processing Plants	3	6	8
Spray Painting Operations	3	6	8
Waste Paper Processing Plants (Dry)	3	6	8
Column 1	2	3	4

(2)

Table 11.2.1.1.L. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Notes to Table 11.2.1.1.L.:

(1)

Building Size (Maximum) [2]	
- 400 m^2 (4310 ft^2)/ 2 *storey* - 600 m^2 (6480 ft^2)/ 4 *storey* - 1500 m^2 (16,100 ft^2)/ 4 *storey*	Small Medium Large

(2) Sizes are based on *building area* and *building height*.

(3) When the size of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

(4) All *buildings* 1,500 m^2 (16,100 ft^2) and over are to be *sprinklered*.

(5) All floor assemblies shall be *fire separations*.

Table 11.2.1.1.M.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group F Division 2	Occupancy H.I.[6]			(1) (2)
	Small	Medium	Large	
Aircraft Hangars	3	5	6	
Abattoirs	3	4	5	
Bakeries	3	5	6	
Body Shops	3	5	6	
Candy Plants	3	4	5	
COLD STORAGE PLANTS *Combustible* Insulation Flammable Refrigerant *Combustible* Packaging	3	5	7	
Combustible Insulation Flammable Refrigerant *Noncombustible* Packaging	3	5	6	
Combustible Insulation Non-Flammable Refrigerant *Noncombustible* Packaging	3	4	5	
Noncombustible Insulation Non-Flammable Refrigerant *Noncombustible* Packaging	2	3	4	
Column 1	2	3	4	

Table 11.2.1.1.M. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group F Division 2	Occupancy H.I.[5]		
	Small	Medium	Large
Dry Cleaning Establishments (non-flammable or non-explosive)	3	4	5
Electrical Substations	3	4	5
Factories (High Fire Load)	3	5	6
Freight Depots (High Fire Load)	3	5	6
Helicopter Landings (on roof)	3	4	5
Laboratories (High Fire Load)	3	5	6
Laundries (not self-serve)	3	4	5
Manufacturer Sales (High Fire Load)	3	5	6
Mattress Factories	3	4	5
Meat Packing Plants	3	4	5
Packaging Manufacturers (Cellulose)	3	4	5
Packaging Manufacturers (Noncombustible)	2	3	4
Packaging Manufacturers (Plastics)	3	5	6
Paper Processing Plants (Wet)	3	5	6
Plaining Mills	3	5	6
Printing Plants	3	4	5
Public Heritage Buildings	3	3	—
Repair Garages	3	5	6
Sample Display Rooms (High Fire Load)	3	5	6
Self-Service Storage Buildings	3	4	5
Service Stations (no spray painting)	3	5	6
Storage Rooms (High Fire Load)	3	5	6
Television Studios (no audience)	3	4	5
Tire Storage	3	5	6
Column 1	2	3	4

Table 11.2.1.1.M. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group F Division 2	Occupancy H.I.[5]			(1) (2)
	Small	Medium	Large	
Warehouses (High Fire Load)	3	5	6	
Welding Shops	3	5	6	
Wholesale Rooms (High Fire Load)	3	5	6	
Wood Working Factories	3	5	6	
Workshops (High Fire Load)	3	5	6	
Column 1	2	3	4	

Notes to Table 11.2.1.1.M.:

(1)

Building Size (Maximum) [2][3]	
- 600 m^2 (6480 ft^2)/ 2 *storey*	Small
- 800 m^2 (8610 ft^2)/ 4 *storey*	Medium
- 600 m^2 (6480 ft^2)/ 3 *storey* (*Public Heritage Building*)	Medium
- 1500 m^2 (16,100 ft^2)/ 6 *storey* not exceeding 18 m (59 ft 1 in) in *building height*	Large
- Over 18 m (59 ft 1 in) in *building height*	H.I. = 7

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) When the size of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

(6) All *buildings* 1,500 m^2 (6480 ft^2) and over are to be *sprinklered*.

Table 11.2.1.1.N.
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group F Division 3	Occupancy H.I.[6]			(1) (2)
	Small	Medium	Large	
Creameries	2	2	3	
Factories (Low Fire Load)	2	3	4	
Freight Depots (Low Fire Load)	2	3	4	
Laboratories (Low Fire Load)	2	3	4	
Column 1	2	3	4	

Table 11.2.1.1.N. (Cont'd)
Hazard Index
Forming Part of Sentences 11.2.1.1.(1) and (2)

Group F Division 3	Occupancy H.I.[5]		
	Small	Medium	Large
Manufacturers Sales (Low Fire Load)	2	3	4
Power Plants	3	4	5
Public Heritage Buildings	3	3	—
Sample Display Rooms (Low Fire Load)	2	3	4
Storage Garages	2	3	4
Storage Rooms (Low Fire Load)	2	3	4
Warehouses (Low Fire Load)	2	3	4
Wholesale Rooms (Low Fire Load)	2	3	4
Workshops (Low Fire Load)	2	3	4
Column 1	2	3	4

1)
2)

Notes to Table 11.2.1.1.N.:

(1)

Building Size (Maximum) [2][3]	
- 800 m^2 (8610 ft^2)/ 2 *storey*	Small
- 1200 m^2 (12,900 ft^2)/ 4 *storey*	Medium
- 600 m^2 (6480 ft^2)/ 3 storey (*Public Heritage Building*)	Medium
- Any area / 6 *storey* not exceeding 18 m (59 ft 1 in) in *building height*	Large
- Over 18 m (59 ft 1 in), but not exceeding 36 m (118 ft 1 in) in *building height*	H.I. = 5
- Over 36 m (118 ft 1 in) in *building height*	H.I. = 6

(2) Sizes are based on *building area* and *building height*.

(3) *Building* size is based on the existing *building* facing one *street*.

(4) For existing *buildings* facing multiple *streets* see Sentence 11.2.1.1.(2) and Table 11.4.3.4.A.

(5) When the size of a *building* falls into more than one category, the H.I. for the least restrictive is permitted to be used.

♣

Table 11.4.3.3.
For Evaluation and Upgrading of Early Warning/Evacuation
Forming Part of Sentences 11.4.3.3.(1) and (2)

Notes	EW/EVAC, Evaluation and Upgrading	Part 11 Compliance Alternative [1]
(2)	Early Warning and Evaluation to be checked against (a) *access to exit* widths based on *occupant load* in Subsection 3.3.1. or 9.9.3.; (b) *exit* widths based on *occupant load* in Subsection 3.4.3. or 9.9.3.; (c) *exit* signs in Subsection 3.4.5. or 9.9.10; (d) lighting of *exits*, lighting of *access to exits* and emergency lighting in Subsection in Subsection 3.2.7. or 9.9.11.; (e) fire alarm system in Subsection 3.2.4. or 9.10.17.; (f) *smoke alarms* in Subsection 9.10.18.; (g) travel distance and number of *exits* in other Parts of the Code; and (h) door release hardware requirements in Articles 3.3.1.12. and 3.4.6.15., and deficiencies shall be upgraded.	EARLY WARNING (a) *Compliance alternatives* as listed may be used. EVACUATION (b) *Compliance alternatives* as listed to *access to exit* and *exit* widths, number of *exits*, door release hardware, and travel distance may be used.
(3)	Early Warning and Evaluation to be checked against (a) *access to exit* widths based on *occupant load* in Subsection 3.3.1. or 9.9.3.; (b) *exit* widths based on *occupant load* in Subsection 3.4.3. or 9.9.3.; (c) *exit* signs in Subsection 3.4.5. or 9.9.10; (d) lighting of *exits*, lighting of *access to exits* and emergency lighting in Subsection in Subsection 3.2.7. or 9.9.11.; (e) fire alarm system in Subsection 3.2.4. or 9.10.17.; (f) *smoke alarms* in Subsection 9.10.18.; (g) travel distance and number of *exits* in other Parts of the Code; (h) smoke control measures, and at least one elevator to permit transport of fire fighters to all floors in hotels whose floor level is more than 18 m high measured between *grade* and floor level of the top *storey* as per Subsection 3.2.6., and (i) door release hardware requirements in Articles 3.3.1.12. and 3.4.6.15., and deficiencies shall be upgraded.	EARLY WARNING (a) *Compliance alternatives* as listed may be used. EVACUATION (b) *Compliance alternatives* as listed to *access to exit* and *exit* widths, number of *exits*, door release hardware, and travel distance may be used.
Column 1	2	3

Notes to Table 11.4.3.3.:

(1) See Table 11.5.1.1.A., 11.5.1.1.B., 11.5.1.1.C., 11.5.1.1.D/E. And 11.5.1.1.F. for *Compliance alternatives* that may be used.

(2) Applies to change of *major occupancy* to one of equal or lesser hazard.

(3) Applies to change of *major occupancy* to one of greater hazard, and to increase in *occupant load* greater than 15%.

Table 11.4.3.4.A.
Additional Upgrading
Forming Part of Sentence 11.4.3.4.(1)

New *Major Occupancy* (H.I.) Number [3]	Increase of C.I. to Equal H.I. to Support New *Major Occupancy*	Additional Required Upgrading	Part 11 Alternative Compliance	Comments
H.I.2	C.I. 1 to 2	Comply with Table 11.2.1.1.A. ratings for C.I. of 2	(a) Provide Early Warning system or (b) Comply with any A.C.'s in Col. 4.	
H.I.3	C.I. (1 or 2) to 3	Comply with Table 11.2.1.1.A. ratings for C.I. of 3	(a) Provide Early Warning system or (b) Comply with any A.C.'s in Col. 4.	*Combustible* to *Combustible* only.
H I.4	C.I. (1,2 or 3) to 4	Comply with Table 11.2.1.1.A. ratings for C.I. of 4	Provide sprinklers in locations where assemblies do not comply with Table 11.2.1.1.A.	*Combustible* to *Combustible*. *Noncombustible* to *Noncombustible*.
H.I.5	C.I. 4 to 5	Comply with Table 11.2.1.1.A. ratings for C.I. of 5	Provide sprinklers in locations where assemblies do not comply with Table 11.2.1.1.A.	
H.I.5	C.I. (1,2 or 3) to 5	Comply with Table 11.2.1.1.A. ratings for C.I. of 5	Provide sprinklers in locations where assemblies do not comply with Table 11.2.1.1.A.	*Combustible* to *Combustible*. *Noncombustible* to *Noncombustible*.
H.I.6	C.I. 5 (*Noncombustible*) to 6	Comply with Table 11.2.1.1.A. ratings for C.I. of 6	(a) Provide sprinkler system, plus 45 min roof rating.	
H.I.6	C.I. 5 (*Heavy timber*) to 6	Comply with A.C.	(b) Provide sprinkler system.	
H.I.6	C.I. 5 (*Combustible*) to 6	Comply with A.C.	(c) Provide 1 h rating plus sprinkler system.	
H.I.6	C.I. (3 or 4) to 6*	Comply with Table 11.2.1.1.A. ratings for C.I. of 6	(d) Provide sprinkler system, plus 45 min rating.	*For *Noncombustible construction* only.
H.I.6	C.I. (1, 2, 3 or 4) to 6**	Comply with A.C.	(e) Provide 1 h rating plus sprinkler system.	**For *Combustible construction* only.
H.I.7	C.I. 6 to 7	Comply with Table 11.2.1.1.A. ratings for C.I. of 7	(a) Provide sprinkler system.	
H.I.7	C.I. (3, 4 or 5) to 7*	Comply with Table 11.2.1.1.A. ratings for C.I. of 7	(b) Provide 1 h rating plus sprinkler system.	*For *Noncombustible construction* only.
H.I.8	C.I. 7 to 8	Comply with Table 11.2.1.1.A. ratings for C.I. of 8	(a) Provide sprinkler system.	
Column 1	2	3	4	5

Table 11.4.3.4.A. (Cont'd)
Additional Upgrading
Forming Part of Sentence 11.4.3.4.(1)

New *Major Occupancy* (H.I.) Number [3]	Increase of C.I. to Equal H.I. to Support New *Major Occupancy*	Additional Required Upgrading	Part 11 Alternative Compliance	Comments
H.I.8	C.I. 6 to 8	Comply with Table 11.2.1.1.A. ratings for C.I. of 8	(b) Provide supervised sprinkler system.	
H.I.8	C.I. (3, 4 or 5) to 8*	Comply with Table 11.2.1.1.A. ratings for C.I. of 8	(d) Provide sprinkler system, plus 1 h rating.	*For *Noncombustible construction* only.
Column 1	2	3	4	5

Note to Table 11.4.3.4.A.:
(1) One asterisk (*) refers to *Noncombustible construction.*
(2) Two asterisks (**) refers to *Combustible construction.*
(3) Group B, *occupancy* with any H.I. shall be *sprinklered.*

Table 11.4.3.4.B. [1]
Additional Upgrading for Multiple *Major Occupancies*
Forming Part of Sentences 11.4.2.3.(4) and 11.4.3.4.(3)

New *Major Occupancy*	Code Requirements	Part 11 *Compliance Alternative*	
All [2]	Table 3.1.3.1. and Subsection 9.10.9	For Existing *Building* Reduce to	If *Sprinklered* Reduce to
	Where:		
	1 h rating required	45 min	30 min
	2 h rating required	1.5 h	1 h
	3 h rating required	2 h	1.5 h
Column 1	2	3	

Notes to Table 11.4.3.4.B.:
(1) For buildings with multiple *major occupancies* only, where there is a change in *major occupancy.*
(2) See Section 11.4.

Table 11.5.1.1.A.
Compliance Alternatives for Assembly Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
A1	3.1.4.6.	Existing *heavy timber construction* acceptable where *construction* is within 90% of member sizes listed in Part 3.
A2	3.1.5.2.; 3.1.5.3.; 3.1.5.4.; 3.1.5.6.	Existing acceptable.
A3	3.1.5.7.; 3.1.5.8.; 3.1.5.9.; 3.1.5.10.	Except for exposed foamed plastics, existing acceptable. To match existing, materials may be added from on or off site.
A4	3.1.5.14.; 3.1.5.15. 3.1.5.20.; 3.1.5.16.; 3.1.5.22.	Existing acceptable.
A5	3.1.7.1.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No. 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
A6	3.1.7.5.(3)	Existing assemblies required to be of *noncombustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
A7	3.1.8.5.(2)	(a) Existing functional and sound doors in existing *buildings* that are either hollow metal or kalamein and containing wired glass at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2) are permitted in lieu of doors not required to exceed 45 min, (b) all existing functional and sound hollow metal or kalamein doors which carry existing 1.5 h labels are acceptable in lieu of current 1.5 h labels and may contain wired glass panels not exceeding 0.0645 m^2 (100 in^2), at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2), and (c) every fire door, window assembly or glass block used as a *closure* in a required *fire separation* shall be installed in conformance with good engineering practice.
A8	3.1.8.7.; 3.1.8.8.; 3.1.8.9.	*Fire dampers* or *fire stop flaps* are not required to be installed in existing ducts at penetrations of existing *fire separations*.
A9	3.1.8.10.(1)	Existing 45 mm (1¾ in) solid core wood doors acceptable.
A10	3.1.8.10.(1)	Existing functionally operable self-closing devices acceptable.
A11	3.1.8.13.	Existing functionally operable latching devices, excluding draw bolts, are acceptable.
A12	3.1.8.14.	Existing transoms or sidelights located in required *fire separations* may be retained if wired glass at least 6 mm (0.236 in) thick is securely fixed to a steel frame with steel stops. Operable transoms shall be fixed closed.
A13	3.1.8.15.; 3.1.8.16., 3.1.8.17.	Existing acceptable.
A14	3.1.11.	Where the concealed space is being materially altered, smoke or heat detection in that space in lieu of firestops and tied into fire alarm system is acceptable.
A15	3.1.13.10.	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.A. (Cont'd)
Compliance Alternatives for Assembly Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
A16	3.2.2.17.(1)(b)and (c)	Existing sprinkler systems need not comply.
A17	3.2.3.	Existing windows. (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies not closer than 300 mm (11¾ in) from a window in such other *building*, where the "opposite" window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) Except relocation of units, shall be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.13. or 9.10.12.4. where applicable, or (c) Where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (I) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered.*
A18	3.2.4.	(a) Existing fire alarm system may remain except that Article 3.2.4.5. does not apply where the "Fire Safety Plan" (as described in Subsection 2.8.2. of the Ontario Fire Code) for the *building* addresses the intent of Subsection 3.2.4. (i.e.,"stage" system, electrical supervision, detection as required, Fire Department connection and emergency power supply), and (b) extension of an existing system must ensure continuity and compatibility, and integrity of the system.
A19	3.2.5.3.(1) and (2)	Existing acceptable.
A20	3.2.5.5.; 3.2.5.6.;3.2.5.4.	Existing acceptable provided the building is sprinklered.
A21	3.2.5.7.	Does not apply, except where a change in *major occupancy* occurs from a lesser *hazard index.*
A22	3.2.5.13.	Existing sprinkler systems in existing *buildings* that do not conform to NFPA 13 may be altered, added to, or extended from the existing system without complying with NFPA 13, provided the system is operational and adequate with respect to coverage, water supply and controls, and provided the system is evaluated by a qualified designer.
A23	3.2.6. Additional requirements for high buildings	Reserved.
A24	3.2.9.	(a) Does not apply to *buildings* 6 *storeys* and less. (b) Does not apply to *sprinklered buildings.*
A25	3.3.1.5.	One egress door is allowed where the *occupant load* is not greater than 100 persons, provided *floor area* is *sprinklered* and travel distance does not exceed 25 m (82 ft).
A26	3.3.1.9.	Existing width of *public corridors* of not less than 914 mm (3 ft) is acceptable.
Col. 1	2	3

Table 11.5.1.1.A. (Cont'd)
Compliance Alternatives for Assembly Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
A27	3.3.1.9.(8)	An existing dead-end corridor is permitted where the *occupant load* is not greater than 20 persons, provided travel distance is not greater than 6 m (19 ft 8 in) plus corridor width to "*exit* choice" point.
A28	3.3.1.10.; 3.3.1.11.	Existing door swings may remain in *heritage buildings*, existing or being restored, with no change in *major occupancy* and with *occupant load* no greater than 100.
A29	3.3.1.12.	Existing doors may remain in a *heritage building*, existing or being restored, with no change in *major occupancy*.
A30	3.3.1.18.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
A31	3.3.2.12.	Reserved.
A32	3.3.5.4.(1); 3.3.5.7.(1) to (3)	Need not comply where a gasketed door and self closer are provided in the existing *fire separation*.
A33	3.4.1.5. (1)	Existing acceptable.
A34	3.4.1.5.(2)	Existing acceptable provided the existing guard is not less than 914mm.
A35	3.4.1.8.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
A36	3.4.2.5.(1)	Existing travel distance acceptable where *floor area* is *sprinklered* and where there is no change in *major occupancy*.
A37	3.4.3.1.(2)	Existing width of *exits* acceptable provided the occupant load in not more than 15% above the exit capacity.
A38	3.4.3.3.(1)	Need not comply where there is no increase in *occupant load*.
A39	3.4.3.5.	Existing acceptable.
A40	3.4.3.6.	Existing headroom clearance of not less than 1 980 mm (6 ft 6 in) is acceptable.
A41	3.4.4.4.(7)	Existing washrooms opening directly into an *exit* stairwell shall be separated from the *exit* stairwell by a 45 min *closure*.
A42	3.4.5.1.(2) and (7)	Existing illuminated legible *exit* signs are acceptable.
A43	3.4.6.2.	Existing acceptable, if visually apparent.
A44	3.4.6.3.	Existing acceptable.
A45	3.4.6.4.(2) to (8)	Existing acceptable.
A46	3.4.6.5.(2), (4) and (5)	Existing acceptable.
A47	3.4.6.6.(1)	Existing acceptable.
A48	3.4.6.7.; 3.4.6.8.	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.A. (Cont'd)
Compliance Alternatives for Assembly Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
A49	3.4.6.10.(1), (2) and (4)	Existing acceptable.
A50	3.4.6.11.	Existing acceptable in *public heritage buildings* or a change in *occupancy* with no increase in *occupant load*.
A51	3.4.6.15.(2) and (3)	Existing functionally operable panic hardware acceptable.
A52	3.4.7.2.	*Combustible* fire escapes which are protected from fire in accordance with Sentence 3.2.3.13.(2) are permitted or may be reconstructed or recreated (as in the case of a *heritage building*).
A53	3.5.1.	Existing acceptable.
A54	3.6.2.1.(5)	Existing *fire separation* of not less than 30 min is acceptable.
A55	3.6.2.3.	Existing acceptable where explosion-resistant *construction* or venting is provided.
A56	3.6.2.7.	Existing acceptable.
A57	3.6.2.8.(1)	2 h *fire separation* acceptable.
A58	3.6.3.1.(1) to (5)	45 min *fire separation* acceptable.
A59	3.6.3.3.(1) to (5) and (8)	Existing acceptable.
A60	3.6.3.3.(9)	1 h if *sprinklered*.
A61	3.6.3.3.(10)	Existing acceptable.
A62	3.6.3.4.	Existing acceptable.
A63	3.6.4.	Existing acceptable.
A64	3.7.1.3.(3)	2.1.m is acceptable.
A65	3.7.2.1.(3)	The minimum glass areas my be reduced by 50%.
A66	3.7.4.2.	Where the *occupant load* is increased by more than 15% above the capacity of the existing facilities, facilities to be added to accommodate the increase.
Col. 1	2	3

NUMBER	PART 4 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
A67	4.1.9.	The requirements under this Subsection do not apply.
Col. 1	2	3

Table 11.5.1.1.A. (Cont'd)
Compliance Alternatives for Assembly Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 8 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
A68	8.2.1.4.	Existing clearances acceptable where: a *sewage system* is replaced with another *sewage system* within the same class; and, the capacity of the replacement *sewage system* does not exceed the capacity of the existing *sewage system*.
A69	8.2.1.4.	Existing clearances are acceptable where a replacement *sewage system* requires lesser clearances than those required in Part 8 for the existing *sewage system*.
Col. 1	2	3

Table 11.5.1.1.B.
Compliance Alternatives for Care or Detention Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
B1	3.1.5.2.; 3.1.5.3.; 3.1.5.4.; 3.1.5.6.	Existing acceptable.
B2	3.1.5.7.; 3.1.5.8.; 3.1.5.9.; 3.1.5.10.	Except for exposed foamed plastics, existing acceptable.
B3	3.1.5.13.; 3.1.5.14.; 3.1.5.15.; 3.1.5.16.; 3.1.5.20.; 3.1.5.22.	Existing acceptable.
B4	3.1.7.1.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
B5	3.1.7.5.(3)	Existing assemblies required to be of *noncombustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
B6	3.1.8.5.(2)	(a) Existing functional and sound doors in existing *buildings* that are either hollow metal or kalamein and containing wired glass at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2) are permitted in lieu of doors not required to exceed 45 min, (b) all existing functional and sound hollow metal or kalamein doors which carry existing 1.5 h labels are acceptable in lieu of current 1.5 h labels and may contain wired glass panels not exceeding 0.0645 m^2 (100 in^2), at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2), and (c) every fire door, window assembly or glass block used as a *closure* in a required *fire separation* shall be installed in conformance with good engineering practice.
B7	3.1.8.7.; 3.1.8.8.; 3.1.8.9.	*Fire dampers* or *fire stop flaps* are not required to be installed in existing ducts at penetrations of existing *fire separations.*
B8	3.1.8.10.(1)	For existing unlabelled doors in existing *buildings*, at least 45 mm (1¾ in) solid core wood or metal clad are acceptable.
B9	3.1.8.11.(1)	Existing functionally operable self-closing devices acceptable, including devices with "pause" hardware.
B10	3.1.8.12.(1) and (2)	Between patient or inmate rooms, and corridors, existing "pause" type self-closing devices may be used as hold-open devices where functionally operable.
B11	3.1.8.13.	Existing functionally operable latching devices, excluding draw bolts, are acceptable.
B12	3.1.8.14.(1) and (2)	Except in zone or *exit fire separations* not required to be greater than 1 h, existing wired glass installations may be acceptable provided they are set in steel or metal-clad frames.
B13	3.1.8.14.(3)	Existing glass block acceptable.
B14	3.1.8.15.; 3.1.8.16.; 3.1.8.17.	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.B. (Cont'd)
Compliance Alternatives for Care or Detention Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
B15	3.1.9.5.(1) and (2)	Existing openings in existing ceiling membranes to remain. Existing openings may be moved to another location in the same ceiling provided the aggregate area of openings does not increase and are not cumulative, and the existing opening is blocked up to provide the same rating as the ceiling assembly.
B16	3.1.11.	Where the concealed space is being materially altered, provide smoke or heat detection in that space in lieu of firestops and tie into fire alarm system.
B17	3.1.14.; 3.1.15.	Existing roof assemblies and roof coverings acceptable.
B18	3.2.3.	Existing windows (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies no closer than 300 mm (11¾ in) from a window in such other *building*, where the "opposite" window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) except relocation of units, to be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.13. or 9.10.12.4. where applicable, or (c) where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (i) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered*.
B19	3.2.4.	(a) Existing fire alarm system may remain except that Article 3.2.4.5. does not apply where the "Fire Safety Plan" (as described in Subsection 2.8.2. of the Ontario Fire Code) for the *building* addresses the intent of Subsection 3.2.4. (i.e. "stage" system, electrical supervision, detection as required, Fire Department connection, and emergency power supply), and (b) extension of an existing system must ensure continuity and compatibility, and integrity of the system.
B20	3.2.5.1.; 3.2.5.2.	Existing access to an existing *occupancy* acceptable. Where the existing *building* is changed to a "B" *occupancy*, existing access may be acceptable.
B21	3.2.5.3.(1)	Existing acceptable, except where a change in *occupancy* occurs to a "B1" or "B2" *occupancy*.
B22	3.2.5.3.(2)	Existing acceptable.
B23	3.2.5.4.; 3.2.5.5.; 3.2.5.6.	Existing access route to existing *occupancy* is acceptable if the *building* is *sprinklered*. Where existing *building* is changed to a "B" *occupancy*, access route shall be provided.
B24	3.2.5.7.; 3.2.5.18.	Does not apply except where a change in *occupancy* occurs to a "B1" or "B2" *occupancy*, where occupants are not normally evacuated from the *building*.
Col. 1	2	3

Table 11.5.1.1.B. (Cont'd)
Compliance Alternatives for Care or Detention Occupancies
Forming Part of Article 11.5.1.1

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
B25	3.2.5.13.	Existing sprinkler systems in existing *buildings* that do not conform to NFPA 13 may be altered, added to, or extended from the existing system without complying with NFPA 13, provided the system is operational and adequate with respect to coverage, water supply and controls, and provided the system is evaluated by a qualified *designer*.
B26	3.2.6. Additional requirements for high buildings	Reserved.
B27	3.2.9.	Does not apply except where a change in *occupancy* occurs to a Group B *occupancy*, where occupants are not normally evacuated from the *building*.
B28	3.3.1.5.(1)(c); Table 3.3.1.5.	Column 2 to read: 100 m² (1080 ft²) for "B1" and "B2" (sleeping rooms) and 200 m² (2150 ft²) for "B2" (other rooms).
B29	3.3.1.9.	Existing width of *public corridors* of not less than 914 mm (3 ft) is acceptable, except as provided in Sentence 3.3.3.3.(2).
B30	3.3.1.10.; 3.3.1.11.	Existing door swings may remain in *heritage buildings*, existing or being restored, with no change in *major occupancy* and with *occupant load* no greater than 100.
B31	3.3.1.12.	Existing doors acceptable.
B32	3.3.1.15.	Existing acceptable.
B33	3.3.1.16.	Existing non-conforming capacities of *access to exits* are acceptable, provided that the excessive capacity is no greater than 15%, and (a) corridor *separations* are rated to Code plus early warning system provided, or (b) there are sprinklers, plus *smoke alarms* in *suites*.
B34	3.3.1.17.	Existing acceptable.
B35	3.3.1.18.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
B36	3.3.3.3.(1)	Existing dead end corridors acceptable with 30 min *fire separation* of corridor plus sprinklering of *floor area*, provided the *occupant load* is not greater than 10 persons and travel distance not greater than 6 m (19 ft 8 in) plus corridor width to "*exit* choice" point.
B37	3.3.3.7.	45 min *fire separation* acceptable.
B38	3.3.5.5.(1); 3.3.5.8.(1) and (3)	Need not comply where a gasketed door and self closer are provided in the existing *fire separation*.
B39	3.4.1.8.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
B40	3.4.2.5.(1)	Existing travel distance acceptable where *floor area* is *sprinklered* and provided *fire separations* comply with Part 3 of the Code.
B41	3.4.3.1.(2)	Existing acceptable provided there is no change in *occupancy* to a "B2" or "B3".
Col. 1	2	3

Table 11.5.1.1.B. (Cont'd)
Compliance Alternatives for Care or Detention Occupancies
Forming Part of Article 11.5.1.1

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
B42	3.4.3.5.	Existing acceptable.
B43	3.4.3.6.	Existing headroom clearance of not less than 1 980 mm (6 ft 6 in) is acceptable.
B44	3.4.5.1.(2) and (7)	Existing illuminated legible *exit* signs are acceptable.
B45	3.4.6.2.	Existing acceptable, if visually apparent.
B46	3.4.6.3.(1)	Existing acceptable with a rise of no greater than 3.7 m (12 ft 2 in).
B47	3.4.6.3.(2)	Existing acceptable provided there is no change in *occupancy* to a "B2" or "B3".
B48	3.4.6.4.(2) to (9)	Existing acceptable.
B49	3.4.6.5.(2) to (5)	Existing acceptable.
B50	3.4.6.6.(1)	Existing acceptable.
B51	3.4.6.7.	Existing acceptable.
B52	3.4.6.8.	Existing acceptable where there is no change in *major occupancy* or increase in *occupant load* greater than 15%.
B53	3.4.6.10.(1), (2) and (4)	Existing acceptable.
B54	3.4.6.11.	Existing acceptable in *public heritage buildings*.
B55	3.4.6.15.(2) and (3)	Existing functionally operable panic hardware acceptable.
B56	3.4.6.17.(1)(c)	Existing access to existing *occupancy* is acceptable Where the existing *building* is changed to a "B" *occupancy*, existing access may be acceptable.
B57	3.4.7.2.	*Combustible* fire escapes which are protected from fire in accordance with Sentence 3.2.3.13.(2) are permitted or may be reconstructed or recreated (as in the case of a *heritage building*). Where serving non-ambulatory persons, minimum width shall be 1 100 mm (3 ft 7 in).
B58	3.5.1.	Existing acceptable, except where *building* is classified under Subsection 3.2.6.
B59	3.6.2.1.(5)	45 min *fire separation* acceptable.
B60	3.6.2.7.	Existing acceptable.
B61	3.6.2.8.(1)	2 h *fire separation* acceptable.
B62	3.6.3.1.(1) to (5)	45 min *fire separation* acceptable.
B63	3.6.3.3.(1), (3), (4)(a), (5) and (10)	Existing acceptable.
B64	3.6.3.3.(2)(a)	45 min *fire separation* acceptable.
Col. 1	2	3

Table 11.5.1.1.B. (Cont'd)
Compliance Alternatives for Care or Detention Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
B65	3.6.4.	Existing acceptable, except where a change in *occupancy* occurs to a Group B *occupancy*.
B66	3.7.1.3.(1)	Existing acceptable.
B67	3.7.2.1.(2)	The minimum glass areas my be reduced by 50%.
B68	3.7.4.2.	Where the *occupant load* is increased by more than 15% above the capacity of the existing facilities, facilities to be added to accommodate the increase.
Col. 1	2	3

NUMBER	PART 4 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
B69	4.1.9.	The requirements under this Subsection do not apply.
Col. 1	2	3

NUMBER	PART 8 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
B70	8.2.1.4.	Existing clearances acceptable where: a *sewage system* is replaced with another *sewage system* within the same class; and, the capacity of the replacement *sewage system* does not exceed the capacity of the existing *sewage system*.
B71	8.2.1.4.	Existing clearances are acceptable where a replacement *sewage system* requires lesser clearances than those required in Part 8 for the existing *sewage system*.
Col. 1	2	3

Table 11.5.1.1.C.
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C1	3.1.4.6.	Existing *heavy timber construction* acceptable where *construction* is within 90% of member sizes listed in Part 3.
C2	3.1.5.2.; 3.1.5.3.; 3.1.5.4.; 3.1.5.6.	Existing acceptable.
C3	3.1.5.7.; 3.1.5.8.; 3.1.5.9.; 3.1.5.10.	Except for exposed foamed plastics, existing acceptable. To match existing, materials may be added from on or off site.
C4	3.1.5.13.; 3.1.5.14.; 3.1.5.15.; 3.1.5.16.; 3.1.5.20.; 3.1.5.22.	Existing acceptable.
C5	3.1.7.1.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No. 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
C6	3.1.7.5.(3)	Existing assemblies required to be of *noncombustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
C7	3.1.8.1.(2); 3.1.8.6.(1) and (2)	Existing functional *closures* are acceptable and may be relocated within the same existing *fire separation*.
C8	3.1.8.5.(2)	(a) Existing functional and sound doors in existing *buildings* that are either hollow metal or kalamein and containing wired glass at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2) are permitted in lieu of doors not required to exceed 45 min, (b) all existing functional and sound hollow metal or kalamein doors which carry existing 1.5 h labels are acceptable in lieu of current 1.5 h labels and may contain wired glass panels not exceeding 0.0645 m^2 (100 in^2), at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2), and (c) every fire door, window assembly or glass block used as a *closure* in a required *fire separation* shall be installed in conformance with good engineering practice.
C9	3.1.8.7.; 3.1.8.8.; 3.1.8.9.	Except for *hotels*, *fire dampers* or *fire stop flaps* are not required to be installed in existing ducts at penetrations of existing *fire separations*.
C10	3.1.8.10.(1)	For existing unlabeled doors in existing *buildings*, at least 45 mm (1¾ in) solid core wood or metal clad are acceptable. Except for *residential occupancies*, existing closure rating of 20 min will not be required where the entire *floor area* is *sprinklered*.
C11	3.1.8.13.	Existing functionally operable latching devices, excluding draw bolts, are acceptable.
C12	3.1.8.14.	Existing transoms or sidelights located in *fire separations* not required to be greater than 1 h may be retained if wired glass, at least 6 mm (0.236 in) thick, is securely fixed to a wood frame of at least 50 mm (2 in) thickness with steel stops. Operable transoms shall be fixed closed.
C13	3.1.8.15.; 3.1.8.16.; 3.1.8.17.	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C14	3.1.11.	Where the concealed space is being materially altered, provide smoke or heat detection in that space in lieu of firestops and tie into fire alarm system.
C15	3.2.2.17.(1)(b) and (c)	Existing sprinkler systems in 1 *storey buildings* need not comply.
C16	3.2.3.	Existing windows (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies not closer than 300 mm (11¾ in) from a window in such other *building*, where the "opposite" window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) Except relocation of units, shall be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.13. or 9.10.12.4. where applicable, or
C16	3.2.3. (Cont'd)	(c) Where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (i) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered.*
C17	3.2.4.	(a) Existing fire alarm system may remain except that Article 3.2.4.5. does not apply where the "Fire Safety Plan" (as described in Subsection 2.8.2. of the Ontario Fire Code) for the *building* addresses the intent of Subsection 3.2.4. (i.e. "stage" system, electrical supervision, detection as required, Fire Department connection, and emergency power supply), and (b) extension of an existing system must ensure continuity and compatibility, and integrity of the system.
C18	3.2.4.21.	Such *smoke alarms* may be battery operated.
C19	3.2.5.1.; 3.2.5.2.	Existing acceptable.
C20	3.2.5.3.(1)	Existing access acceptable.
C21	3.2.5.3.(2)	Existing acceptable.
C22	3.2.5.4.; 3.2.5.5.; 3.2.5.6.	(a) For *buildings* 6 *storeys* and less, existing access to existing *occupancy* is acceptable, and (b) Where existing *building* is changed to a "C" *occupancy*, an access route shall be provided, or the existing access is acceptable provided the *building* is *sprinklered.*
C23	3.2.5.7.	Existing water supply and hydrants are acceptable in *buildings* up to 6 *storeys* in *building height.*
C24	3.2.5.13.	Existing sprinkler systems in existing *buildings* that do not conform to NFPA 13 may be altered, added to, or extended from the existing system without complying with NFPA 13, provided the system is operational and adequate with respect to coverage, water supply and controls, and provided the system is evaluated by a qualified designer.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C25	3.2.6. Additional requirements for high *buildings*	Reserved.
C26	3.2.9.	Does not apply to *buildings* 4 *storeys* and and less. For existing *buildings* over 4 *storeys* in *building height*, existing standpipe and hose systems water supply is acceptable provided it can deliver a minimum flow rate of 265 L/min for 30 min at 345 kPa (gauge) at the two highest and most remote hose valves, with not less than 132 L/min from each of the two simultaneously.
C27	3.3.1.4.(1); 3.3.4.2.(1)	30 min is acceptable to separate corridors or *exits* in *buildings* not exceeding 6 *storeys* in *building height*, except that 45 min is required for *exits* in *buildings* exceeding 3 *storeys* in *building height*. For *buildings* exceeding 6 *storeys* in *building height*, 30 min is acceptable where *smoke detectors* are installed in corridors, except 1 h is required in *exits*. 30 min is acceptable to separate *public corridors*, *exits* or *suites* in *hotels*, provided *fire detectors* are installed in every room in a *suite* and in every room not located in a *suite*, other than corridors, washrooms, closets in *suites*, saunas, refrigerated areas and swimming pools.
C28	3.3.1.5.(1)(c); Table 3.3.1.5.	In Column 2, maximum area of room or *suite* to be unlimited.
C29	3.3.1.9.	Existing width of *public corridors* of not less than 914 mm (3 ft) is acceptable.
C30	3.3.1.10.; 3.3.1.11.	Existing door swings may remain in *heritage buildings*, existing or being restored, with no change in *major occupancy* and with *occupant load* no greater than 100.
C31	3.3.1.12.	Existing doors acceptable, provided not less than 600 mm (23⅝ in) wide.
C32	3.3.1.15.	Existing curved or spiral stairs acceptable.
C33	3.3.1.16.	Existing non-conforming capacities of *access to exits* are acceptable, provided that the excessive capacity is no greater than 15%, (a) corridor *fire separations* are to be rated to Code plus early warning system provided, or (b) there are sprinklers, plus *smoke alarms* in *suites*.
C34	3.3.1.17.	Does not apply to *heritage buildings*.
C35	3.3.1.18.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
C36	3.3.4.2.(2) (a) (b) (c)	30 min *fire separation* acceptable. 45 min *fire separation* acceptable. 1.5 h *fire separation* acceptable.
C37	3.3.4.4.(5) and (6)	For *buildings* 6 *storeys* and less, doorway from *dwelling unit* will be permitted to open directly into *exit* stairway or interior corridor served by a single *exit* if a fire alarm system complying with Subsection 3.2.4. is installed and the *dwelling unit* has a second and separate *means of egress*.
C38	3.3.5.5.(1) and 3.3.5.8.(3)	Need not comply where a gasketed door and self closer are provided in the existing *fire separation*.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C39	3.4.1.4.	Except for *hotels*, the following types of *exits* may also be used for *buildings* not over 6 *storeys* in *building height* (a) connected balconies, which connect across *firewalls*, or connect to another *exit*, or with access to ground level. (b) areas of refuge where fire service rescue is possible and that comply with Measure L of Sentences (4) to (10), (18) and (20)(a), (b) and (d) in the Supplementary Guideline.
C40	3.4.1.8.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
C41	3.4.2.5.(1)	Existing travel distance acceptable where *floor area* is *sprinklered* and provided *fire separations* comply with Part 3 of the Code.
C42	3.4.3.1.(2)	Existing width of *exits* acceptable provided the *occupant load* is not more than 15% above the *exit* capacity.
C43	3.4.3.5.	Except for *heritage buildings*, existing acceptable, provided not less than 800 mm (2 ft 7 in).
C44	3.4.3.6.	Existing headroom clearance of not less than 1 980 mm (6 ft 6 in) is acceptable.
C45	3.4.4.1.(1)	Except for *exits*, no rating required where *floor areas* are *sprinklered*.
C46	3.4.4.1.	*Fire separations* of *exits* permitted in *buildings*: - 30 min, up to 3 *storeys* in *building height*; - 45 min, in *hotels* up to 3 *storeys* in *building height*; - 45 min, up to 6 *storeys* in *building height*; - 1 h, over 6 *storeys* in *building height*.
C47	3.4.4.4.(7)	Existing washrooms opening directly into an *exit* stairwell shall be separated from the *exit* stairwell by a 45 min *closure*.
C48	3.4.5.1.(2) and (7)	Existing illuminated legible *exit* signs are acceptable.
C49	3.4.6.1.	Existing acceptable.
C50	3.4.6.2.	Existing acceptable, if visually apparent.
C51	3.4.6.3.(1) and (2)	Existing acceptable with rise no greater than 3.7 m (12 ft 2 in).
C52	3.4.6.3.(3) and (4)	Existing acceptable.
C53	3.4.6.4.(2) and (8)	Existing acceptable.
C54	3.4.6.5. (2) and (4)	Existing acceptable.
C55	3.4.6.6.(1)	Existing acceptable.
C56	3.4.6.7.; 3.4.6.8.	Existing acceptable.
C57	3.4.6.9.(2) to (6)	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C58	3.4.6.10.(1) and (2)	Existing acceptable.
C59	3.4.6.11.	Existing acceptable in *heritage buildings* provided the *occupant load* is not more than 60.
C60	3.4.6.15.(1) to (3)	Existing functionally operable panic hardware acceptable.
C61	3.4.7.2.	*Combustible* fire escapes which are protected from fire in accordance with Sentence 3.2.3.13.(2) are permitted or may be reconstructed or recreated (as in the case of a *heritage building*).
C62	3.5.1.	Existing acceptable except where *building* is classified under Subsection 3.2.6.
C63	3.6.2.1.(5)	45 min *fire separation* acceptable.
C64	3.6.2.3.	Existing acceptable where explosion-resistant *construction* or venting is provided.
C65	3.6.2.7.	Existing acceptable.
C66	3.6.2.8.(1)	2 h *fire separation* acceptable.
C67	3.6.3.1.(1) to (5)	45 min *fire separation* acceptable up to 6 *storeys*.
C68	3.6.3.3.(2)	Where 2 h *fire separation* is required,1 h is acceptable. Except for linen discharge rooms where 1 h *fire separation* is required, 45 min is acceptable.
C69	3.6.3.3.(4) and (5)	Existing sizes acceptable.
C70	3.6.3.3.(9)	Where 2 h *fire separation* is required,1 h is acceptable.
C71	3.6.4.2.	Ceiling *fire separation* need not be fire-resistance rated where sprinklering, subject to C.A. C24, of *fire compartments* on both sides of vertical *fire separation* is provided and where such *fire separation* is not required to exceed 1 h.
C72	3.6.4.3.(1)	Existing to meet *flame-spread rating* of 25 or to be *sprinklered*.
C73	3.6.4.4.; 3.6.4.5.; 3.6.4.6.	Existing access acceptable.
C74	3.7.1.1.(2)	Minimum room height shall be not less than 1 950 mm (6 ft 5 in) over the required floor area and any location that would normally be used as a *means of egress*.
C75	3.7.2.1.	(a) Where windows are not used as *means of egress* and where they do not conflict with ventilation requirements, the minimum glass areas as shown in Table 9.7.1.2. may be reduced by 50%, or (b) an existing room converted to an interior room, created by an addition, shall not require a window, provided there is an opening in a dividing wall occupying not less than 30% of the separating plane to an adjoining room, where the adjoining room has a minimum of 5% window area of the combined floor areas, and provided the required ventilation for the combined rooms is maintained.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C76	3.7.4.2.	Where the *occupant load* is increased by more than 15% above the capacity of the existing facilities, facilities to be added to accommodate the increase.
Col. 1	2	3

NUMBER	PART 4 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C77	4.1.9.	The requirements under this Subsection do not apply.
Col. 1	2	3

NUMBER	PART 6 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C78	6.2.3.2.; 6.2.3.5.; 6.2.3.6.; 6.2.3.12.	Existing acceptable.
C79	6.2.3.13.(2)	In a *building* containing not more than four *dwelling units*, the existing heating or *air conditioning* system may be altered to serve more than one *dwelling unit* provided *smoke alarms* are installed in each *dwelling unit* and provided *a smoke detector is* installed in the supply or return air duct system serving the entire *building* which would turn off the fuel supply and electrical power to the heating system upon activation of such detector.
C80	6.2.3.17.	Existing openings, grilles and diffusers acceptable.
C81	6.2.4.2.(1); 6.2.4.5.(1) to (3)	Existing acceptable.
C82	6.2.4.5.(10)	Where the duct system is being altered, lesser amounts and extent of insulation will be permitted.
C82.1	6.2.5A.3.(1)	Carbon monoxide detectors may be battery operated or plugged into an electrical outlet
C83	6.2.9.2.	Existing acceptable.
C84	6.3.1.	Existing acceptable, provided products of combustion are safely vented.
Col. 1	2	3

NUMBER	PART 8 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C84.1	8.2.1.4.	Existing clearances acceptable where: a *sewage system* is replaced with another *sewage system* within the same class; and, the capacity of the replacement *sewage system* does not exceed the capacity of the existing *sewage system*.
C84.2	8.2.1.4.	Existing clearances are acceptable where a replacement *sewage system* requires lesser clearances than those required in Part 8 for the existing *sewage system*.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C85	9.3.2.1.	Sound used lumber may be acceptable for reuse without a grade stamp provided that: (a) visual examination shows no excessive weakening by holes, notches, nail splits or other damage, (b) where the grade or species is unknown, the minimum grade shall apply for span table use, and (c) lumber has not been subjected to termite infestation.
C86	9.5.3.1.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, (a) minimum room height shall not be less than 1 950 mm (6 ft 5 in) over the required floor area and in any location that would normally be used as a *means of egress*, or (b) minimum room height shall not be less than 2 030 mm (6 ft 8 in) over at least 50% of the required floor area, provided that any part of the floor having a clear height of less than 1 400 mm (4 ft 7 in) shall not be considered in computing the required floor area.
C87	9.6.3.1.	Doors may be lesser heights to suit ceiling heights.
C88	9.6.3.2.	Except where required in 9.9.2.7. existing acceptable, provided not less than 600 mm (23⅝ in).
C89	9.6.5.	Existing acceptable.
C90	9.6.6.2.; 9.6.6.3.	Existing doors and sidelights being reused or relocated need not conform if identified or protected.
C91	9.7.1.2.	(a) Where windows are not used as a *means of egress* and where they do not conflict with ventilation requirements, the minimum glass areas as shown in Table 9.7.1.2. may be reduced by 50%, and (b) an existing room converted to an interior room created by an addition shall not require a window, provided there is an opening in a dividing wall occupying not less than 30% of the separating plane to an adjoining room where the adjoining room has a minimum of 5% window area of the combined floor areas, and provided the required ventilation for the combined room is maintained.
C92	9.7.1.3.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, existing acceptable, where there is direct access to the exterior.
C93	9.7.1.7.	Existing acceptable.
C94	9.7.5.1.	Existing acceptable, if marked to indicate their existence and position.
C95	9.8.1. to 9.8.4.	Replacement or extension of existing stair systems shall be exempt from the provisions of these Articles, except that they shall have: (a) a minimum width between wall faces of 700 mm (2 ft 4 in), and (b) a minimum clear height over tread nosing of or landing 1 800 mm (5 ft 11 in).
C96	9.8.5.2.	Existing curved or spiral stairs are acceptable.
C97	9.8.5.3.	Where a stair complies with Subsection 9.8.3., an extension to a stair may contain two sets of winders provided that they are separated by at least 3 treads or a landing.
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Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C98	9.8.6.	Existing ramps acceptable, where practical.
C99	9.8.7.	Existing handrails acceptable, unless considered unsafe by *chief building official*.
C100	9.8.8.	Existing *guards* acceptable, unless considered unsafe by *chief building official*.
C101	9.8.9.5.(2)	Existing acceptable.
C102	9.9.2.2.	Except for *hotels*, the following types of *exits* may also be used: (a) connected balconies, which connect across *firewalls*, or connect to another *exit*, or with access to ground level, (b) areas of refuge approved by the *chief building official*, where fire service rescue is possible, or (c) *combustible* or *noncombustible* exterior stairways or fire escapes which are protected in accordance with Sentence 3.2.3.13.(2). These may be reconstructed or recreated (as in the case of a *heritage building*).
C103	9.9.2.6.	Existing acceptable, provided that the enclosure has a 45 min *fire-resistance rating*.
C104	9.9.2.7.	Except for *hotels*, existing acceptable.
C105	9.9.3.2.	(a) In a *building* containing not more than four *dwelling units*, the width of every *exit* facility may be as the existing, but not less than 800 mm (2 ft 7 in), or (b) In a *building* containing more than four *dwelling units*, the width of every *exit* facility may be as the existing, but not less than 900 mm (2 ft 11 in).
C106	9.9.3.3.	(a) In a *building* containing not more than four *dwelling units*, the minimum width of a *public corridor* may be 800 mm (2 ft 7 in), or (b) In a *building* containing more than four *dwelling units*, the minimum width of a *public corridor* may be 900 mm (2 ft 11 in).
C107	9.9.3.4.	Existing headroom clearance of not less than 1 950 mm (6 ft 5 in) is acceptable.
C108	9.9.4.2.	Except as permitted in C122, in a *building* containing not more than four *dwelling units* or *suites*, one *exit* need not be separated from the remainder of the *building* at the *first storey* where there are one or more other *exits* complying with C109.
C109	9.9.4.2.(1) and (2)	30 min *fire separation* acceptable.
C110	9.9.5.4.	Existing acceptable.
C111	9.9.5.8.	Existing acceptable provided minimum 45 min *fire separation* and where explosion-resistant *construction* or venting is provided.
C112	9.9.6.2.	Except for *hotels*, existing acceptable.
C113	9.9.6.3.	Existing headroom clearance of not less than 1 950 mm (6 ft 5 in) is acceptable, with existing door heights to be acceptable.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C114	9.9.6.4.	Existing door widths and heights are acceptable, provided *exit* widths and heights conform to C.A.'s C105 and C107.
C115	9.9.6.5.	Existing door swings acceptable. Existing acceptable in *public heritage buildings*, where approved by *chief building official*.
C116	9.9.6.6.(1)	Where *exit* doors open onto a landing, they shall not extend beyond the face of the first riser.
C117	9.9.6.10.	Existing functionally operable passage or panic hardware acceptable.
C118	9.9.7.3.(1)(a)	Maximum area of existing room or *suite* does not apply.
C119	9.9.7.4.	Except as provided in C122, in detached houses, semi-detached houses, townhouses row houses containing not more than two *dwelling units*, requirement applies.
C120	9.9.8.2.(1)	Existing travel distance acceptable where *floor area* is *sprinklered* and provided *fire separations* comply with Part 9 of the Code.
C121	9.9.8.5.	In a *building* containing not more than four *dwelling units* or *suites*, existing glazed solid wood doors to lobby may remain in lieu of new 20 minute doors, provided the *fire separations* for the floor above or below are provided as per C.A. C132, and a second *means of egress* from the *dwelling units* complies with the Code requirements.
C122	9.9.9.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, *exit* requirements are acceptable if at least one of the following conditions exists: (a) a door, including a sliding door, that opens directly to the exterior from a *dwelling unit*, serves only that *dwelling unit* and has reasonable access to ground level, and the *dwelling units* are equipped with *smoke alarms* installed in conformance with Subsection 9.10.18., (b) an *exit* that is accessible to more than one *dwelling unit* and provides the only *means of egress* from each *dwelling unit*, provided that the *means of egress* is separated from the remainder of the *building* and common areas by a *fire separation* having a 30 min *fire-resistance rating* and provided further that the required *access to exit* from any *dwelling unit* cannot be through another *dwelling unit*, *service room* or other *occupancy*, and both *dwelling units* and common areas are provided with *smoke alarms* installed in conformance with Subsection 9.10.18. and are interconnected, or (c) access to an *exit* from one *dwelling unit* which leads through another *dwelling unit* where (I) an additional means of escape is provided through a window that conforms to the following: - the sill height is not more than 1 000 mm (3 ft 3 in) above or below adjacent ground level, - the window can be opened from the inside without the use of tools, - the window has an individual unobstructed open portion having a minimum area of 0.38 m^2 (4.1 ft^2) with no dimension less than 460 mm (18 in), - the sill height does not exceed 900 mm (2 ft 11 in) above the floor or fixed steps,
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C122 (Cont'd)	9.9.9.	- where the window opens into a window well, a clearance of not less than 1 000 mm (3 ft 3 in) shall be provided in front of the window, and - *smoke alarms* are installed in every *dwelling unit* and in common areas in conformance with Subsection 9.10.18. and are interconnected, (ii) an additional means of escape is provided through a window that conforms to the following: - a casement window not less than 1 060 mm (3 ft 6 in) high, 560 mm (1 ft 10 in) wide, with a sill height not more than 900 mm (2 ft 11 in) above the inside floor, - the sill height of the window is not more than 5 m (16 ft 5 in) above adjacent ground level, and - *smoke alarms* are installed in every *dwelling unit* and in common areas in conformance with Subsection 9.10.18. and are interconnected, or (iii) the *building* is *sprinklered* and the *dwelling units* are equipped with *smoke alarms* installed in conformance with Subsection 9.10.18.
C123	9.9.10.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, the requirements under this Subsection do not apply.
C124	9.9.10.6.	Existing illuminated legible signs are acceptable for *exit* signs, if approved by *chief building official*.
C125	9.9.11.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, the requirements under this Subsection apply only where the condition described in (b) of C122 exists.
C126	9.10.1.1.	Assemblies required to be of *noncombustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
C127	9.10.1.3.(8)	Existing installations acceptable subject to C.A.'s C23, C24 and C26.
C128	9.10.3.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No. 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
C129	9.10.5.1.	Existing openings in existing wall or ceiling membranes to remain. Existing openings may be moved to another location in the same wall or ceiling, provided the aggregate area of openings does not increase and are not accumulative, and the existing opening is blocked up to provide the same rating as the existing wall or ceiling assembly.
C130	9.10.6.2.	Existing *heavy timber construction* acceptable where *construction* is within 90% of member sizes listed in Part 3.
C131	9.10.7.	Existing acceptable for *heritage buildings*, subject to approval of *chief building official*.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C132	9.10.8.1.; 9.10.8.3.; 9.10.8.7.	(a) Except as provided in (b) and (c) , 30 min rating is acceptable. (b) In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, 15 min horizontal *fire separation* is acceptable where (i) *smoke alarms* are installed in every *dwelling unit* and in common areas in conformance with Subsection 9.10.18., and (ii) *smoke alarms* are interconnected. (c) In detached houses, semi-detached houses townhouses and row houses containing not more than two *dwelling units*, the *fire- resistance rating* of the *fire separation* is waived where the *building* is *sprinklered*.
C133	9.10.9.7.; 9.10.9.9.	Existing acceptable in existing *fire separations*.
C134	9.10.9.10.(1)	Ceiling *fire separation* need not be *fire-resistance rated* where sprinklering, subject to C.A. C24, of *fire compartments* on both sides of vertical *fire separation* is provided and where such *fire separation* is not required to exceed 1 h.
C135	9.10.9.11.(1)	Except for *hotels*, 30 min *fire separation* acceptable.
C136	9.10.9.11.(2)	In lieu of the 2 h *fire separation*,sprinklers may be used in the *mercantile occupancy* or *medium hazard industrial occupancy*, with a 1 h *fire separation*.
C137	9.10.9.14.(1), (3); 9.10.9.15.(1)	(a) Except as provided in (b) and (c), 30 min *fire separation* is acceptable. (b) In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, 15 min horizontal *fire separation* is acceptable where (I) *smoke alarms* are installed in every *dwelling unit* and in common areas in conformance with Subsection 9.10.18., and (ii) *smoke alarms* are interconnected. (c) In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, the *fire-resistance rating* of the *fire separation* is waived where the *building* is *sprinklered*.
C138	9.10.10.3.	(a) Except as provided in (b) and (c) and in Articles 9.10.10.5. and 9.10.10.6., 30 min *fire separation* is acceptable. (b) In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, the *fire-resistance rating* of the vertical *fire separation* is waived where (I) *smoke alarms* are installed in every *dwelling unit* and in common areas in conformance with Subsection 9.10.18., and (ii) *smoke alarms* are interconnected. (c) In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, the *fire-resistance rating* of the vertical *fire separation* is waived where *service rooms* are *sprinklered*.
C139	9.10.11.2.(1)	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, a *party wall* with 1 h *fire-resistance rating* is acceptable.
C140	9.10.13.1	Existing functional closures are acceptable subject to C.A. C8. and C141.
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Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C141	9.10.13.1.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, existing unlabelled doors at least 45 mm (1¾ in) solid core wood or metal clad are acceptable. For existing *closures*, ratings of 20 min will not be required where the entire *floor area* is *sprinklered*.
C142	9.10.13.2.(1)	In a *building* containing not more than four *dwelling units* or *suites*, existing glazed solid wood doors to corridors may remain in lieu of new 20 min doors, provided they are not located in a dead end corridor.
C143	9.10.13.3.	Existing acceptable provided that wood door frames are secured with hinge screws going through frame into the stud.
C144	9.10.13.5.	Existing wired glass acceptable. Existing transoms or sidelights located in required *fire separations* may be retained if wired glass at least 6 mm (0.236 in) thick is securely fixed to a wood frame of at least 50 mm (2 in) thickness with steel stops. Operable transoms shall be fixed closed.
C145	9.10.13.6.	Existing steel door frames acceptable.
C146	9.10.13.7.	Existing glass block acceptable.
C147	9.10.13.8.	Existing sizes acceptable.
C148	9.10.13.9.	Existing operable latches acceptable.
C149	9.10.13.10.(1)	Existing functionally operable self-closing devices acceptable.
C150	9.10.13.11.	Existing operable self-releasing electromagnetic hold-open device acceptable, and except for *hotels*, fusible link hold-open devices acceptable.
C151	9.10.13.12.	Existing swings acceptable.
C152	9.10.13.13.(1)	In a *building* containing not more than four *dwelling units*, the existing heating or *air conditioning* system may be altered to serve more than one *dwelling unit* provided *smoke alarms* are installed in each *dwelling unit* and provided *a smoke detector is* installed in the supply or return air duct system serving the entire *building* which would turn off the fuel supply and electrical power to the heating system upon activation of such detector.
C153	9.10.13.13.(1)	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, existing acceptable.
C154	9.10.13.14.; 9.10.5.1.	In a *building* containing not more than four *dwelling units*, the existing heating or *air conditioning* system may be altered to serve more than one *dwelling unit* provided *smoke alarms* are installed in each *dwelling unit* and provided *a smoke detector is* installed in the supply or return air duct system serving the entire *building* which would turn off the fuel supply and electrical power to the heating system upon activation of such detector.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C155	9.10.5.1.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, existing acceptable.
C156	9.10.14.1.	Existing windows (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies no closer than 300 mm (11¾ in) from a window in such other *building*, where the "opposite" window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) except relocation of units, to be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.13. or 9.10.12.4. where applicable, or (c) where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (i) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered*.
C157	9.10.14.7.; 9.10.14.8.	Where an addition to an existing residential *building* has its *exposing building face* further distant from the line than the existing *exposing building face* and the *limiting distance* is at least 1 200 mm (3 ft 11 in), the total area of allowable *unprotected openings* may be determined under Article 9.10.14.8. for the combined new and existing exposing *building faces*, and (a) where the existing *exposing building face* has no *unprotected openings*, or the existing *unprotected openings* are to be filled in, the total allowable area of *unprotected openings* may be installed in the new *exposing building face*, or (b) where the existing *unprotected openings* are to remain, their area shall be deducted from the total allowable area of *unprotected openings*, and the balance may be installed in the new *exposing building face*, and (c) Article 9.10.14.7. applies only to the new *exposing building face*.
C158	9.10.15.2.(1)	Where balloon framing is exposed during renovation, fire stopping shall be provided.
C159	9.10.17.	(a) Subject to approval by the *chief building official*, existing fire alarm system may remain where the Fire Safety Plan for the *building* addresses the intent of Subsection 3.2.4. (i.e. "stage" system, electrical supervision, detection as required, Fire Department connection, and emergency power supply), and (b) extension of an existing system must ensure continuity and compatibility, and integrity of the system.
C160	9.10.19.	Existing access acceptable.
C161	9.10.18.3.	*Smoke alarms* may be battery operated.
C162	9.14.2.1.(2)	Existing acceptable.
C163	9.18.2.	Existing access acceptable.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C164	9.18.3.	Existing vents and ventilation acceptable.
C165	9.19.	Existing acceptable.
C166	9.20.2.2.	Used masonry may be reused for patching and filling openings to match adjacent work. Used interior brick may not be used for exterior applications.
C167	9.20.3.	Archaic mortars may be used to match existing jointing.
C168	9.20.4.1.	Sound jointing techniques may be employed to match existing archaic joints.
C169	9.20.12.1.	Corbelling may be constructed to match existing or original details, provided that it is structurally adequate for the proposed use.
C170	9.21.	Existing acceptable, provided the products of combustion are safely vented, and provided no fire hazard is created.
C171	9.22.1. to 9.22.7.	Sound period materials, designs and techniques may be ernployed in recreated fireplaces, provided no fire hazard is created. Article 9.22.1.4. need not comply.
C172	9.23.	Existing acceptable.
C173	9.24.	Existing acceptable.
C174	9.25.	(a) Where the framing systems are being altered to match the existing framing, lesser amounts and extent of insulation and *vapour barrier* will be permitted. A *vapour barrier* may consist of paint or other coating with specified perm rating such as two coats of leafing aluminum pigmented paint. (b) Existing acceptable for Sentences 9.25.2.1.(5) to (7). (c) Existing previously occupied log houses that are dismantled and reconstructed are exempt from Sentences 9.25.2.1.(13) and (14).
C175	9.26.	Existing acceptable, except when removing and replacing shingles, comply with the eave protection requirements of Subsection 9.26.5.
C176	9.27.	Existing acceptable.
C177	9.28.	All replacement or recreation of existing stucco may be compatible with the existing materials and application.
C178	9.29.4.	Existing acceptable. All replacement or recreation of existing plaster may be compatible with the existing materials and application.
C179	9.32.	In detached houses, semi-detached houses, townhouses and row houses containing not more than two *dwelling units*, rooms or spaces in *dwelling units* to be ventilated by natural means in accordance with Subsection 9.32.2. or by providing adequate mechanical ventilation.
Col. 1	2	3

Table 11.5.1.1.C. (Cont'd)
Compliance Alternatives for Residential Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
C180	9.33.1.1.	In a *building* containing not more than four *dwelling units*, the existing heating or *air conditioning* system may be altered to serve more than one *dwelling unit* provided *smoke alarms* are installed in each *dwelling unit* and provided *a smoke detector is* installed in the supply or return air duct system serving the entire *building* which would turn off the fuel supply and electrical power to the heating system upon activation of such detectors.
C181	9.33.1.2.	Sound, used or antique *appliances* are acceptable, provided that: (a) visual examination shows no excessive weakening by corrosion or other damage, (b) no structural parts are missing, (c) no cracks are present in the components intended to support the *appliance* or enclose the fire, and (d) loading and ash removal door latches and hinges hold the door closed.
o C181.1	9.33.4.3.(1)	Carbon monoxide detectors may be battery operated or plugged into an electrical outlet
C182	9.34.4.1.	Existing meter mounting devices need not be relocated to these requirements during renovations.
C183	9.34.4.3.	Existing overhead and underground supply need not be relocated to these requirements during renovation.
C184	9.34.4.4.; 9.34.4.5.	Existing acceptable.
C185	9.37.	Sound used materials shall be acceptable for reuse, subject to the following limitations: (a) visual examination shows no excessive weakening by holes, notches, nail splits or other damage, and (b) logs have not been subjected to termite infestation.
Col. 1	2	3

Table 11.5.1.1.D/E.
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE1	3.1.4.6.	Existing *heavy timber construction* acceptable where *construction* is within 90% of member sizes listed in Part 3.
DE2	3.1.5.2.; 3.1.5.3.; 3.1.5.4.; 3.1.5.6.	Existing acceptable.
DE3	3.1.5.7.; 3.1.5.8.; 3.1.5.9.; 3.1.5.10.	Except for exposed foamed plastics, existing acceptable. To match existing, materials may be added from on or off site.
DE4	3.1.5.14.; 3.1.5.15.; 3.1.5.20.; 3.1.4.22.	Existing acceptable.
DE5	3.1.7.1.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No. 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
DE6	3.1.7.5.(3)	Existing assemblies required to be of *noncombustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
DE7	3.1.8.1.(2); 3.1.8.6.	Existing functional *closures* are acceptable and may be relocated within the same existing *fire separation*.
DE8	3.1.8.5.(2)	(a) Existing functional and sound doors in existing *buildings* that are either hollow metal or kalamein and containing wired glass at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2) are permitted in lieu of doors not required to exceed 45 min, (b) all existing functional and sound hollow doors which carry existing 1.5 h labels are acceptable in lieu of current 1.5 h labels and may contain wired glass panels not exceeding 0.0645 m^2 (100 in^2), at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2), and (c) every fire door, window assembly or glass block used as a *closure* in a required *fire separation* shall be installed in conformance with good engineering practice.
DE9	3.1.8.7.; 3.1.8.9.	*Fire dampers* or *fire stop flaps* are not required to be installed in existing ducts at penetrations of existing *fire separations*.
DE10	3.1.8.10.(1)	For existing unlabelled doors in existing *buildings*, at least 45 mm (1¾ in) solid core wood or metal clad are acceptable.
DE11	3.1.8.13.	Existing functionally operable latching devices, excluding draw bolts, are acceptable.
DE12	3.1.8.14.	Existing transoms or sidelights located in required *fire separations* may be retained if wired glass, at least 6 mm (0.236 in) thick, is securely fixed to a wood frame of at least 50 mm (2 in) thickness with steel stops. Operable transoms shall be fixed closed.
DE13	3.1.8.15.; 3.1.8.16.; 3.1.8.17.	Existing acceptable.
DE14	3.1.11.	Where the concealed space is being materially altered, smoke or heat detection in that space in lieu of firestops and tied into fire alarm system is acceptable.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE15	3.2.2.17.(1)(b) and (c)	Existing sprinkler systems in 1 *storey buildings* need not comply.
DE16	3.2.3.	Existing windows (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies not closer than 300 mm (11¾ in) from a window in such other *building*, where the "opposite" window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) Except relocation of units, shall be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.13. or 9.10.12.4. where applicable, or
DE16	3.2.3.	(c) Where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (i) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered*.
DE17	3.2.4.1.(1)(d)	(a) Existing fire alarm system may remain except that Article 3.2.4.5. does not apply where the "Fire Safety Plan" (as described in Subsection 2.8.2. of the Ontario Fire Code) for the *building* addresses the intent of Subsection 3.2.4. (i.e. "stage" system, electrical supervision, detection as required, Fire Department connection, and emergency power supply), and (b) Extension of an existing system must ensure continuity and compatibility, and integrity of the system.
DE18	3.2.5.1.; 3.2.5.2.	Existing acceptable.
DE19	3.2.5.3.	Existing access acceptable.
DE20	3.2.5.4.; 3.2.5.5.; 3.2.5.6.	Existing acceptable provided the building is sprinklered.
DE21	3.2.5.7.	Does not apply, except where a change in *major occupancy* occurs from a lesser *hazard index*.
DE22	3.2.5.13.	Existing sprinkler systems in existing *buildings* that do not conform to NFPA 13 may be altered, added to, or extended from the existing system without complying with NFPA 13, provided the system is operational and adequate with respect to coverage, water supply and controls, and provided the system is evaluated by a qualified designer.
DE23	3.2.6. Additional requirements for high buildings	Reserved.
DE24	3.2.9.	Does not apply to *buildings* 6 *storeys* and less. Does not apply to *sprinklered buildings*.
DE25	3.3.1.5.(1)(c); Table 3.3.1.5.	In Column 2, maximum area of room or *suite* to be unlimited.
DE26	3.3.1.9.(1)	Existing width of *public corridors* of not less than 914 mm (3 ft) is acceptable.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE27	3.3.1.10.; 3.3.1.11.	Existing door swings may remain in *heritage buildings*, existing or being restored, with no change in *major occupancy* and with *occupant load* no greater than 100.
DE28	3.3.1.12.	Existing doors acceptable, provided not less than 600 mm (23⅝ in) wide.
DE29	3.3.1.15.	Existing curved or spiral stairs acceptable.
DE30	3.3.1.16.	Existing non-conforming capacities of *access to exits* are acceptable, provided that: (a) the increase in *occupant load* is not greater than 15%, (b) the corridor *fire separations* are rated to Code, and (c) early warning systems are provided, or (d) there are sprinklers, plus *smoke alarms* in *suites*.
DE31	3.3.1.17.	Does not apply to *heritage buildings*.
DE32	3.3.1.18.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
DE33	3.2.3.16.	Need not comply for "E" *occupancy*.
DE34	3.3.5.4.; 3.3.5.7.(3)	Need not comply where a gasketed door and self closer are provided in the existing *fire separation*.
DE35	3.4.1.4.	The following types of *exits* may also be used for *buildings* not over 6 *storeys* in *building height*: (a) Connected balconies, which connect across *firewalls*, or connect to another *exit*, or with access to grade. (b) Areas of refuge where fire service rescue is possible and that comply with Measure L of Sentences (4) to (10), (18), and 20(a), (b) and (d) in the Supplementary Guidelines.
DE36	3.4.1.8.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
DE37	3.4.2.5.(1)	Existing travel distance acceptable where *floor area* is *sprinklered*.
DE38	3.4.3.1.(2)	Existing width of *exits* acceptable provided the *occupant load* in not more than 15% above the *exit* capacity.
DE39	3.4.3.5.	Existing acceptable.
DE40	3.4.3.6.	Existing headroom clearance of not less than 1 980 mm (6 ft 6 in) is acceptable.
DE41	3.4.4.1.	*Fire separations* of *exits* permitted in *buildings*: - 30 min, up to 3 *storeys* in *building height*; - 45 min, up to 6 storeys in *building height*; - 1 h, over 6 *storeys* in *building height*.
DE42	3.4.4.4.(7)	Existing washrooms opening directly into *exit* stairwell shall be separated from *exit* stairwell by a 45 min *closure*.
DE43	3.4.5.1.(2) and (7)	Existing illuminated legible *exit* signs are acceptable.
DE44	3.4.6.1.	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE45	3.4.6.2.	Existing acceptable, if visually apparent.
DE46	3.4.6.3.(1) and (2)	Existing acceptable with rise no greater than 3.7 m (12 ft 2 in).
DE47	3.4.6.3.(3) and (4)	Existing acceptable.
DE48	3.4.6.4.(2) to (8)	Existing acceptable.
DE49	3.4.6.5.(1) to (5)	Existing acceptable.
DE50	3.4.6.6.(1)	Existing acceptable.
DE51	3.4.6.7.; 3.4.6.8.	Existing acceptable.
DE52	3.4.6.9.(2) to (6)	Existing acceptable.
DE53	3.4.6.10.(1) and (2)	Existing acceptable.
DE54	3.4.6.11.	Existing acceptable in *public heritage buildings* or a change in *occupancy* with no increase in *occupant load*.
DE55	3.4.6.12.; 3.4.6.13.	Existing acceptable.
DE56	3.4.6.15.	Existing functionally operable panic hardware acceptable.
DE57	3.4.7.2.	*Combustible* fire escapes which are protected from fire in accordance with Sentence 3.2.3.13.(2) are permitted or may be reconstructed or recreated (as in the case of a *heritage building*.)
DE58	3.5.1.	Existing acceptable except where *building* is classified under Subsection 3.2.6.
DE59	3.6.2.1.(5)	Existing *fire separation* of not less than 30 min is acceptable
DE60	3.6.2.3.	Existing acceptable where explosion-resistant *construction* or venting is provided.
DE61	3.6.2.7.	Existing acceptable.
DE62	3.6.2.8.(1)	2 h *fire separation* acceptable.
DE63	3.6.3.1.(1) to (5)	45 min *fire separation* acceptable up to 6 *storeys*.
DE64	3.6.3.3.	(a) Where 2 h *fire separation* is required, 1 h is acceptable. (b) Where 1 h *fire separation* is required, 45 min is acceptable. (c) Existing need not comply with Sentence 3.5.3.3.(5).
DE65	3.6.4.2.	Ceiling *fire separation* need not be fire-resistance rated where sprinklering, subject to C.A. DE24, of *fire compartments* on both sides of vertical *fire separation* is provided and where such *fire separation* is not required to exceed 1 h.
DE66	3.6.4.3.(1)	Existing to meet *flame-spread rating* of 25 or to be *sprinklered*.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE67	3.6.4.4.; 3.6.4.5.; 3.6.4.6.	Existing access acceptable.
DE68	3.7.4 2.	Where the *occupant load* is increased by more than 15% above the capacity of the existing facilities, facilities to be added to accommodate the increase.
Col. 1	2	3

NUMBER	PART 4 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE69	4.1.9.	The requirements under this Subsection do not apply.
Col. 1	2	3

NUMBER	PART 6 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE70	6.2.3.2.; 6.2.3.5.; 6.2.3.6.; 6.2.3.12.	Existing acceptable.
DE71	6.2.3.17.	Existing openings, grilles and diffusers acceptable, subject to approval of *chief building official.*
DE72	6.2.4.2.(1); 6.2.4.5.(1) to (3)	Existing acceptable.
DE73	6.2.4.5.(10)	Where the duct system is being altered, lesser amounts and extent of insulation will be permitted.
DE74	6.2.9.2.	Existing acceptable.
Col. 1	2	3

NUMBER	PART 8 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE74.1	8.2.1.4.	Existing clearances acceptable where: a *sewage system* is replaced with another *sewage system* within the same class; and, the capacity of the replacement *sewage system* does not exceed the capacity of the existing *sewage system.*
DE74.2	8.2.1.4.	Existing clearances are acceptable where a replacement *sewage system* requires lesser clearances than those required in Part 8 for the existing *sewage system.*
Col. 1	2	3

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE75	9.3.2.1.	Sound used lumber may be acceptable for reuse without a grade stamp provided that: (a) visual examination shows no excessive weakening by holes, notches, nail splits or other damage, (b) where the grade or species is unknown, the minimum grade shall apply for span table use, and (c) lumber has not been subjected to termite infestation.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE76	9.6.3.2.	Except where required in Article 9.9.2.7. existing acceptable, provided not less than 600 mm (23⅝ in).
DE77	9.6.5.	Existing acceptable.
DE78	9.6.6.2.; 9.6.6.3.	Existing doors and sidelights being reused or relocated need not conform if identified or protected.
DE79	9.7.1.7.	Existing acceptable.
DE80	9.7.5.	Existing acceptable.
DE81	9.8.1. to 9.8.4.	Replacement or extension of existing stair systems shall be exempt from the provisions of these Articles, except that they shall have: (a) a minimum width between wall faces of 700 mm (2 ft 4 in), and (b) a minimum clear height over tread nosing or landing of 1 800 mm (5 ft 11 in).
DE82	9.8.2.2.	Existing acceptable.
DE83	9.8.5.2.	Existing curved or spiral stairs acceptable.
DE84	9.8.6.	Existing ramps acceptable, where practical.
DE85	9.8.7.	Existing handrails acceptable, unless considered unsafe by *chief building official*.
DE86	9.8.8.	Existing *guards* acceptable, unless considered unsafe by *chief building official*.
DE87	9.9.1.1.	Existing acceptable.
DE88	9.9.2.2.	The following types of *exits* may also be used: (a) connected balconies, which connect across *firewalls*, or connect to another *exit*, or with access to grade, (b) areas of refuge, approved by the *chief building official*, where fire service rescue is possible, or (c) *combustible* or *noncombustible* exterior stairways or fire escapes which are protected in accordance with Sentence 3.2.3.12.(2). These may be reconstructed or recreated (as in the case of a *heritage building*).
DE89	9.9.2.6.	Existing acceptable, provided that the enclosure has a 45 min *fire- resistance rating*.
DE90	9.9.2.7.	Existing acceptable.
DE91	9.9.3.2.	Existing width of *exits* acceptable.
DE92	9.9.3.3.	Existing width of *public corridors* of not less than 965 mm (3 ft 2 in) is acceptable.
DE93	9.9.3.4.	Existing headroom clearance of not less than 1 950 mm (6 ft 5 in) is acceptable.
DE94	9.9.4.2.	30 min *fire separation* acceptable.
DE95	9.9.5.4.; 9.9.5.5.	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE96	9.9.5.8.	Existing acceptable provided minimum 45 min *fire separation* and where explosion-resistant *construction* or venting is provided.
DE97	9.9.6.2.	Existing acceptable.
DE98	9.9.6.3.	Existing headroom clearance of not less than 1 950 mm (6 ft 5 in) is acceptable, with existing door heights to be acceptable.
DE99	9.9.6.4.	Existing door widths and heights are acceptable, provided *exit* widths and heights comply with C.A.'s DE92 and DE93.
DE100	9.9.6.5.	Existing door swings are acceptable. Existing acceptable in *public heritage buildings*, where approved by *chief building official*.
DE101	9.9.6.6.(1)	Where *exit* doors open onto a landing, they shall not extend beyond the face of the first riser.
DE102	9.9.6.10.	Existing functionally operable passage or panic hardware acceptable.
DE103	9.9.7.3.	Maximum area of existing room or *suite* to be unlimited.
DE104	9.9.8.2.(1)	Existing travel distance acceptable where *floor area* is *sprinklered* and provided *fire separations* comply with Part 9 of the Code.
DE105	9.9.10.6.	Existing illuminated legible signs are acceptable for *exit* signs, if approved by *chief building official*.
DE106	9.10.1.1.	Assemblies required to be of *noncombustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
DE107	9.10.1.3.(8)	Existing installations acceptable subject to C.A.'s DE22 and DE24.
DE108	9.10.3.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No. 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
DE109	9.10.5.1.	(a) Existing openings in existing wall or ceiling membranes to remain. (b) Existing openings may be moved to another location in the same wall or ceiling, provided the aggregate area of openings does not increase and are not cumulative, and the existing opening is blocked up to provide the same rating as the existing wall or ceiling assembly.
DE110	9.10.6.2.	Existing *heavy timber construction* acceptable where *construction* is within 90% of the member sizes listed in Part 3.
DE111	9.10.7.	Existing acceptable for *heritage buildings*, subject to approval of *chief building official*.
DE112	9.10.8.1.	Existing 30 min rating acceptable.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE113	9.10.8.2.	Existing sprinkler systems complying with C.A. DE24 and Sentence 3.2.2.17.(1) are acceptable.
DE114	9.10.8.3.	Existing acceptable, subject to approval of the *chief building official.*
DE115	9.10.8.7.	30 min rating acceptable.
DE116	9.10.9.7.; 9.10.9.9.	Existing acceptable in existing *fire separations.*
DE117	9.10.9.10.(1)	Ceiling *fire separation* need not be fire-resistance rated where sprinklering of *fire compartments* on both sides of vertical *fire separation* is provided and where such *fire separation* is not required to exceed 1 h.
DE118	9.10.9.11.(2)	In lieu of the 2 h *fire separation*, sprinklers may be used in the *mercantile occupancy* with a 1 h *fire separation.*
DE119	9.10.9.13.	30 min *fire separation* acceptable.
DE120	9.10.9.15.(1)	30 min *fire separation* acceptable.
DE121	9.10.9.15.(3)	Need not comply for *mercantile occupancy.*
DE122	9.10.10.3.(1)	45 min *fire separation* acceptable.
DE123	9.10.12.1.	Need not comply for *mercantile occupancy.*
DE124	9.10.13.1.	Existing functional *closures* are acceptable subject to C.A. DE8.
DE125	9.10.13.2.	Existing acceptable.
DE126	9.10.13.3.	Existing acceptable, provided that wood door frames are secured with hinge screws going through frame into the stud.
DE127	9.10.13.5.	Existing acceptable. Existing transoms or sidelights located in required *fire separations* may be retained if wired glass, at least 6 mm (0.236 in) thick, is securely fixed to a wood frame of at least 50 mm (1¾ in) thickness with steel stops. Operable transoms shall be fixed closed.
DE128	9.10.13.6.	Existing steel door frames acceptable.
DE129	9.10.13.7.	Existing glass block acceptable.
DE130	9.10.13.8.	Existing sizes acceptable.
DE131	9.10.13.9.	Existing operable latches acceptable.
DE132	9.10.13.10.(1)	Existing functionally operable self-closing device acceptable.
DE133	9.10.13.10.(2)	Existing functionally operable self-closing devices acceptable in "E" occupancy.
DE134	9.10.13.11.	Existing operable self-releasing electromagnetic and fusible link hold-open devices acceptable.
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Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE135	9.10.13.12.	Existing swings acceptable.
DE136	9.10.14.1.	Existing windows (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies no closer than 300 mm (11¾ in) from a window in such other *building*, where the "opposite" window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) except relocation of units, to be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.14. or 9.10.12.4. where applicable, or (c) where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (i) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered*.
DE137	9.10.15.2.(1)	Where balloon framing is exposed during renovation, fire stopping shall be provided.
DE138	9.10.17.	(a) Subject to approval by the *chief building official*, existing fire alarm system may remain where the Fire Safety Plan for the *building* addresses the intent of 3.2.4. (i.e. "stage" system, electrical supervision, detection as required, Fire Department connection, and emergency power supply), and (b) Extension of an existing system must ensure continuity and compatibility.
DE139	9.10.19.	Existing access acceptable.
DE140	9.18.2.	Existing access acceptable.
DE141	9.18.3.	Existing vents and ventilation acceptable.
DE142	9.19.	Existing acceptable.
DE143	9.20.2.2.	Used masonry may be reused for patching and filling openings to match adjacent work. Used interior brick may not be used for exterior applications.
DE144	9.20.3.	Archaic mortars may be used to match existing jointing.
DE145	9.20.4.1.	Sound jointing techniques may be employed to match existing archaic joints.
DE146	9.20.12.1.	Corbelling may be constructed to match existing or original details, provided that it is structurally adequate for the proposed use.
DE147	9.21.	Existing acceptable, provided the products of combustion are safely vented and provided no fire hazard is created.
Col. 1	2	3

Table 11.5.1.1.D/E. (Cont'd)
Compliance Alternatives for Business/Mercantile Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
DE148	9.22.1. to 9.22.7.	Sound period materials, designs and techniques may be employed in recreated fireplaces, provided no fire hazard is created. Existing need not comply with Article 9.22.1.4.
DE149	9.23.	Existing acceptable.
DE150	9.24.	Existing acceptable.
DE151	9.25.2.1.(5) to (7)	Existing acceptable.
DE152	9.26.	Existing acceptable, except when removing and replacing shingles, comply with eave protection requirements in Subsection 9.26.5.
DE153	9.27.	Existing acceptable.
DE154	9.28.	All replacement or recreation of existing stucco may be compatible with the existing materials and application.
DE155	9.29.4.	Existing acceptable. All replacement or recreation of existing plaster may be compatible with the existing materials and application.
DE156	9.33.1.2.	Sound, used or antique *appliances* are acceptable, provided that: (a) visual examination shows no excessive weakening by corrosion or other damage, (b) no structural parts are missing, (c) no cracks are present in the components intended to support the *appliance* or enclose the fire, and (d) loading and ash removal door latches and hinges hold the door closed.
DE157	9.34.4.1.; 9.34.4.3.	Existing meter mounting devices and overhead and underground supply need not be relocated to these requirements during renovations.
DE158	9.34.4.4.; 9.34.4.5.	Existing acceptable.
DE159	9.37.	Sound used materials shall be acceptable for reuse, subject to the following limitations: (a) visual examination shows no excessive weakening by holes, notches, nail splits or other damage, and (b) logs have not be subjected to termite infestation.
Col. 1	2	3

Table 11.5.1.1.F.
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F1	3.1.4.6.	Existing *heavy timber construction* acceptable where *construction* is within 90% of member sizes listed in Part 3.
F2	3.1.5.2.; 3.1.5.3.; 3.1.5.4.; 3.1.5.6.	Existing acceptable.
F3	3.1.5.7.; 3.1.5.8.; 3.1.5.9.; 3.1.5.10.	Except for exposed foamed plastics, existing acceptable for "F2" and "F3" *occupancies*. To match existing, materials may be added from on or off site.
F4	3.1.5.14.; 3.1.5.15.; 3.1.5.16.; 3.1.5.20.; 3.1.5.22.	Existing acceptable.
F5	3.1.7.1.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No. 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
F6	3.1.7.5.(3)	Existing assemblies required to be of *noncombustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
F7	3.1.8.1.(2); 3.1.8.6.	Existing functional *closures* are acceptable and may be relocated within the same *fire separation*.
F8	3.1.8.5.(2)	(a) Existing functional and sound doors in existing *buildings* that are either hollow metal or kalamein and containing wired glass at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2) are permitted in lieu of doors not required to exceed 45 min, (b) all existing functional and sound hollow metal or kalamein doors which carry existing 1.5 h labels are acceptable in lieu of current 1.5 h labels and may contain wired glass panels not exceeding 0.0645 m^2 (100 in^2), at least 6 mm (0.236 in) thick and conforming to Sentence 3.1.8.14.(2), and (c) every fire door, window assembly or glass block used as a *closure* in a required *fire separation* shall be installed in conformance with good engineering practice.
F9	3.1.8.7.; 3.1.8.9.	*Fire dampers* or *fire stop flaps* are not required to be installed in existing ducts at penetrations of existing *fire separations*.
F10	3.1.8.10.(1)	For existing unlabelled doors in existing *buildings*, at least 45 mm (1¾ in) solid core wood or metal clad are acceptable.
F11	3.1.8.11.(1)	Existing functionally operable devices acceptable for "F2" and "F3" *occupancies*.
F12	3.1.8.13.	Existing functionally operable latching devices, excluding draw bolts, are acceptable.
F13	3.1.8.14.	Existing transoms or sidelights located in required *fire separations* may be retained if wired glass, at least 6 mm (0.236 in) thick, is securely fixed to a wood frame of at least 50 mm (2 in) thickness with steel stops. Operable transoms shall be fixed closed.
F14	3.1.8.15.; 3.1.5.16.; 3.1.8.17.	Existing acceptable.
Col. 1	2	3

Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F15	3.1.11.	Where the concealed space is being materially altered, smoke or heat detection in that space in lieu of firestops and tied into fire alarm system is acceptable.
F16	3.2.2.17.(1)(b) and (c)	Existing sprinkler systems in 1 *storey buildings* need not comply.
F17	3.2.3.	Existing need not comply with Article 3.2.3.17. For "F2" occupancy. Existing windows (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies not closer than 300 mm (11¾ in) from a window in such other *building*, where the 'opposite' window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) Except relocation of units, shall be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.13. or 9.10.12.4. where applicable, or (c) Where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (i) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered*.
F18	3.2.3.16.	Need not comply for "F2" *occupancy*.
F19	3.2.4.	(a) Existing fire alarm system may remain except that Article 3.2.4.5. does not apply where the "Fire Safety Plan" (as described in Subsection 2.8.2. of the Ontario Fire Code) for the *building* addresses the intent of Subsection 3.2.4. (i.e. "stage" system, electrical supervision, detection as required, Fire Department connection, and emergency power supply), and (b) extension of an existing system must ensure continuity and compatibility, and integrity of the system.
F20	3.2.5.1; 3.2.5.2.	Existing acceptable.
F21	3.2.5.3.	Existing access acceptable.
F22	3.2.5.4.; 3.2.5.5.;3.2.5.6.	Existing acceptable provided the *building* is *sprinklered*.
F23	3.2.5.7.	Does not apply, except where a change in *major occupancy* occurs from a lesser *hazard index*.
F24	3.2.5.13.	Existing sprinkler systems in existing *buildings* that do not conform to NFPA 13 may be altered, added to, or extended from the existing system without complying with NFPA 13, provided the system is operational and adequate with respect to coverage, water supply and controls, and provided the system is evaluated by a qualified designer.
F25	3.2.6. Additional requirements for high buildings.	Reserved.
Col. 1	2	3

Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F26	3.2.9.	May not apply to *buildings* 6 *storeys* and less of "F2" and "F3" *occupancies*. Does not apply to *sprinklered buildings*.
F27	3.3.1.4.(1)	30 min is acceptable to separate *public corridors* or *exits* in *buildings* not exceeding 6 *storeys* in *building height*, except that 45 min is required for *exits* in *buildings* exceeding 3 *storeys* in *building height*. Except for *exits*, no rating required where *floor areas* are *sprinklered*.
F28	3.3.1.5.(1)(c); Table 3.3.1.5.	For "F2" and "F3" *occupancies* in Column 2, maximum area of room or *suite* to be unlimited.
F29	3.3.1.9.	Existing width of *public corridors* of not less than 914 mm (3 ft) is acceptable.
F30	3.3.1.9.(13) and (14)	Need not comply where connected balcony or area of refuge is provided complying with C.A. F37.
F31	3.3.1.10.; 3.3.1.11.	Existing door swings may remain in *heritage buildings*, existing or being restored, with no change in *major occupancy* and with *occupant load* no greater than 100.
F32	3.3.1.12.	Existing doors acceptable, provided not less than 600 mm (23⅝ in) wide.
F33	3.3.1.15.	Existing curved or spiral staircase acceptable.
F34	3.3.1.18.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
F35	3.3.5.4.(2), (3), and (5)	Existing acceptable.
F36	3.3.5.6.; 3.3.5.7.	Need not comply where a gasketed door and self closer are provided in the existing *fire separation*.
F37	3.4.1.4.	For "F2" and "F3" *occupancies*, the following types of *exits* may also be used for *buildings* not over 6 *storeys* in *building height*: (a) connected balconies, which connect across firewalls, or connect to another *exit*, or with access to grade. (b) areas of refuge where fire service rescue is possible and that comply with Measure L in Sentences (4) to (10) and (20)(a), (b) and (d) in the Supplementary Guildlines.
F38	3.4.1.8.	Existing stained, etched, bevelled, leaded or figured glass acceptable.
F39	3.4.2.5.(1)	For "F2" and "F3" *occupancies*, existing travel distance acceptable where the *floor area* is *sprinklered*.
F40	3.4.3.1.(2)	For "F2" and "F3" existing width of *exits* acceptable provided the *occupant load* in not more than 15% above the *exit* capacity.
F41	3.4.3.5.	Existing acceptable.
F42	3.4.3.6.	Existing headroom clearance of not less than 1 980 mm (6 ft 6 in) is acceptable.
Col. 1	2	3

Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F43	3.4.4.1.	*Fire separations* of *exits* permitted in *buildings*: - 30 min, up to 3 *storeys* in *building height*; - 45 min, up to 6 *storeys* in *building height*; - 1 h, over 6 *storeys* in *building height*.
F44	3.4.4.4.(7)	Existing washrooms opening directly into *exit* stairwell shall be separated from *exit* stairwell by 45 min *closure*.
F45	3.4.5.1.(2) and (7)	Existing illuminated legible *exit* signs are acceptable.
F46	3.4.6.1.	Existing acceptable.
F47	3.4.6.2.	Existing acceptable, if visually apparent.
F48	3.4.6.3.(1) and (2)	Existing acceptable with rise no greater than 3.7 m (12 ft 2 in).
F49	3.4.6.3.(3) and (4)	Existing acceptable.
F50	3.4.6.4.(2) to (8)	Existing acceptable.
F51	3.4.6.5.(1) to (5)	Existing acceptable.
F52	3.4.6.6.(1)	Existing acceptable.
F53	3.4.6.7.; 3.4.6.8.	Existing acceptable.
F54	3.4.6.9.(2) to (6)	Existing acceptable.
F55	3.4.6.10.(1) and (2)	Existing acceptable.
F56	3.4.6.11.	For "F2" and "F3" existing acceptable in *public heritage buildings* or a change in *occupancy* with no increase in *occupant load*.
F57	3.4.6.12.; 3.4.6.13.	Existing acceptable.
F58	3.4.6.15.	Existing functionally operable panic hardware acceptable.
F59	3.4.7.2.	*Combustible* fire escapes which are protected from fire in accordance with Sentence 3.2.3.13.(2) are permitted or may be reconstructed or recreated (as in the case of a *heritage building*).
F60	3.5.1.	Existing acceptable, except where *building* classified under Subsection 3.2.6. and except where existing elevators are "open" type.
F61	3.6.2.1.(5)	45 min *fire separation* acceptable.
F62	3.6.2.3.	Existing acceptable where explosion-resistant *construction* or venting is provided.
F63	3.6.2.7.	Existing acceptable.
F64	3.6.2.8.(1)	2 h *fire separation* acceptable.
Col. 1	2	3

Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 3 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F65	3.6.3.1.(1) to (5)	45 min *fire separation* acceptable up to 6 *storeys*.
F66	3.6.3.3.	(a) Where 2 h *fire separation* is required, 1 h is acceptable. (b) Where 1 h *fire separation* is required, 45 min is acceptable. (c) Existing need not comply with Sentences 3.5.3.3.(4) and (5).
F67	3.6.4.2.	Ceiling *fire separation* need not be fire-resistance rated where sprinklering, subject to C.A. F24, of *fire compartments* on both sides of vertical *fire separation* is provided and where such *fire separation* is not required to exceed 1 h.
F68	3.6.4.3.(1)	Existing to meet *flame-spread rating* of 25 or to be *sprinklered*.
F69	3.6.4.4.; 3.6.4.5.; 3.6.4.6.	Existing access acceptable.
F70	3.7.4.2.	Where the *occupant load* is increased by more than 15% above the capacity of the existing facilities, facilities to be added to accommodate the increase.
Col. 1	2	3

NUMBER	PART 4 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F71	4.1.9.	The requirements under this Subsection do not apply.
Col. 1	2	3

NUMBER	PART 6 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F72	6.2.2.3.(1), (3), and (4)	*Storage garages* with a total capacity of less than 20 motor vehicles need not have mechanical ventilating systems if the downward slope of the floor to the outside door is 1 in 120 and the garage floor is above outside ground level.
F73	6.2.3.2.; 6.2.3.5.; 6.2.3.6.; 6.2.3.12.	Existing acceptable for "F2" and "F3" *occupancies*.
F74	6.2.3.17.	Existing openings, grilles and diffusers acceptable.
F75	6.2.4.2.(1); 6.2.4.5.(1) to (3)	Existing acceptable.
F76	6.2.4.5.(10)	Where the duct system is being altered, lesser amounts and extent of insulation will be permitted.
F77	6.2.9.2.	Existing acceptable for "F2" and "F3" *occupancies*.
Col. 1	2	3

Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 8 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F77.1	8.2.1.4.	Existing clearances acceptable where: a *sewage system* is replaced with another *sewage system* within the same class; and, the capacity of the replacement *sewage system* does not exceed the capacity of the existing *sewage system*.
F77.2	8.2.1.4.	Existing clearances are acceptable where a replacement *sewage system* requires lesser clearances than those required in Part 8 for the existing *sewage system*.
Col. 1	2	3

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F78	9.3.2.1.	Sound used lumber may be acceptable for reuse without a grade stamp provided that: (a) visual examination shows no excessive weakening by holes, notches, nail splits or other damage, (b) where the grade or species is unknown, the minimum grade shall apply for span table use, and (c) lumber has not been subjected to termite infestation.
F79	9.6.3.2.	Except where required in Article 9.9.2.7. existing acceptable, provided not less than 600 mm (23⅝ in).
F80	9.6.5.	Existing acceptable.
F81	9.6.6.2.; 9.6.6.3.	Existing doors and sidelights being reused or relocated need not conform if identified or protected.
F82	9.7.1.7.	Existing acceptable.
F83	9.7.5.	Existing barriers acceptable.
F84	9.8.1. to 9.8.4.	Replacement or extension of existing stair systems shall be exempt from the provisions of these Articles, except that they shall have: (a) a minimum width between wall faces of 700 mm (2 ft 4 in), and (b) a minimum clear height over tread nosing or landing of 1 800 mm (5 ft 11 in).
F85	9.8.5.2.	Existing curved or spiral stairs acceptable.
F86	9.8.6.	Existing ramps acceptable, where practical.
F87	9.8.7.	Existing handrails acceptable, unless considered unsafe by *chief building official*.
F88	9.8.8.	Existing *guards* acceptable, unless considered unsafe by *chief building official*.
F89	9.8.9.5.(2)	Existing acceptable.
F90	9.9.1.1.	Existing acceptable.
F91	9.9.2.2.	The following types of *exits* may also be used: (a) connected balconies, which connect across *firewalls*, or connect to another *exit*, or with access to grade, (b) areas of refuge approved by the *chief building official* where fire service rescue is possible, or
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Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F91 (Cont'd)	9.9.2.2.	(c) *combustible* or *noncombustible* exterior stairways or fire escapes which are protected in accordance with Sentence 3.2.3.13.(2). These may be reconstructed or recreated (as in the case of a *heritage building*).
F92	9.9.2.6.	Existing acceptable, provided that the enclosure has a 45 min *fire-resistance rating*.
F93	9.9.2.7.	Existing acceptable.
F94	9.9.3.2.	Existing width of *exits* acceptable.
F95	9.9.3.3.	Existing width of *public corridors* of not less than 965 mm (3 ft 2 in) is acceptable.
F96	9.9.3.4.	Existing headroom clearance of not less than 1 950 mm (6 ft 5 in) is acceptable.
F97	9.9.4.2.(1)	30 min *fire separation* acceptable.
F98	9.9.5.4.; 9.9.6.2.	Existing acceptable.
F99	9.9.5.8.	Existing acceptable provided minimum 45 min *fire separation* and where explosion-resistant *construction* or venting is provided.
F100	9.9.6.3.	Existing headroom clearance of not less than 1 950 mm (6 ft 5 in) is acceptable, with existing door heights to be acceptable.
F101	9.9.6.4.	Existing door widths and heights are acceptable, provided *exit* widths and heights comply with C.A.'s F95 and F96.
F102	9.9.6.5.	Existing door swings acceptable. Existing acceptable in *public heritage buildings*, where approved by *chief building official*.
F103	9.9.6.6.(1)	Where *exit* doors open onto a landing, such doors shall not extend beyond the face of the first riser.
F104	9.9.6.10.	Existing functionally operable passage or panic hardware acceptable.
F105	9.9.7.3.	Maximum area of existing room or *suite* does not apply.
F106	9.9.8.2.(1)	Existing travel distance acceptable where *floor area* is *sprinklered* and provided *fire separations* comply with Part 9 of the Code.
F107	9.9.10.6.	Existing illuminated legible signs are acceptable for *exit* signs, if approved by *chief building official*.
F108	9.10.1.1.	Assemblies required to be of *combustible construction* may be supported by *combustible construction* having at least the same *fire-resistance rating* as that supported.
F109	9.10.1.3.(8)	Existing acceptable subject to C.A.'s F24 and F26.
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Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F110	9.10.3.	*Fire-resistance ratings* may also be used where they are based on: 1. HUD No. 8 Guideline on Fire Ratings of Archaic Materials and Assemblies. 2. Fire Endurance of Protected Steel Columns and Beams, DBR Technical Paper No. 194. 3. Fire Endurance of Unit Masonry Walls, DBR Technical Paper No. 207. 4. Fire Endurance of Light-Framed and Miscellaneous Assemblies, DBR Technical Paper No. 222.
F111	9.10.5.1.	Existing openings in existing wall or ceiling membranes to remain. Existing openings may be moved to another location in the same wall or ceiling, provided the aggregate area of openings does not increase and are not cumulative, and the existing opening is blocked up to provide the same rating as the existing wall or ceiling assembly.
F112	9.10.6.2.	Existing *heavy timber construction* acceptable where *construction* is within 90% of the member sizes listed in Part 3.
F113	9.10.7.	Existing acceptable for *heritage buildings*, subject to approval of *chief building official*.
F114	9.10.8.1.	Existing 30 min rating acceptable.
F115	9.10.8.2.	Existing sprinkler systems complying with C.A. F24 and Sentence 3.2.2.17.(1) are acceptable.
F116	9.10.8.3.	Existing acceptable, subject to approval of *chief building official*.
F117	9.10.8.7.	30 min rating acceptable.
F118	9.10.9.7.; 9.10.9.9.	Existing acceptable in existing *fire separations*.
F119	9.10.9.10.(1)	Ceiling *fire separation* need not be fire-resistance rated where sprinklering of *fire compartments* on both sides of vertical *fire separation* is provided and where such *fire separation* is not required to exceed 1 h.
F120	9.10.9.11.(2)	In lieu of the 2 h *fire separation*, sprinklers may be used in the *medium hazard industrial occupancy* with a 1 h *fire separation*.
F121	9.10.9.13.; 9.10.9.15.(1)	30 min *fire separation* acceptable.
F122	9.10.10.3.(1)	45 min *fire separation* acceptable.
F123	9.10.12.1.	Need not comply for *medium hazard industrial occupancy*.
F124	9.10.13.1.	Existing functional *closures* are acceptable subject to C.A. F8.
F125	9.10.13.2.	Existing acceptable.
F126	9.10.13.3.	Existing acceptable, provided that wood door frames are secured with hinge screws going through frame into the stud.
F127	9.10.13.5.	Existing wired glass acceptable. Existing transoms or sidelights located in required *fire separations* may be retained if wired glass, at least 6 mm (0.236 in) thick, is securely fixed to a wood frame of at least 50 mm (2 in) thickness with steel stops. Operable transoms shall be fixed closed.
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Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F128	9.10.13.6.	Existing steel door frames acceptable.
F129	9.10.13.7.	Existing glass block acceptable.
F130	9.10.13.8.	Existing sizes acceptable.
F131	9.10.13.9.	Existing operable latches acceptable.
F132	9.10.13.10.(1)	Existing operable self-closing devices acceptable.
F133	9.10.13.11.	Existing operable self-releasing electromagnetic and fusible link hold-open devices acceptable.
F134	9.10.13.12.	Existing swings acceptable.
F135	9.10.14.1.	Existing windows (a) Existing windows in walls may be relocated to another part of the wall, provided the existing opening is blocked up to provide the same fire rating for the wall, and the projection of the new opening, at a right angle to the property line onto another *building*, lies no closer than 300 mm (11¾ in) from a window in such other *building*, where the "opposite" window is less than 2 400 mm (7 ft 10 in) from the opposite new opening, and (b) except relocation of units, to be restricted to the same *fire compartment* and shall conform to the requirements of Articles 3.2.3.13. or 9.10.12.4. where applicable, or (c) where a *building* does not satisfy the requirements of Subsection 3.2.3. for the amount of openings facing a yard or space that does not have sufficient *limiting distance*, such existing openings are allowed to be relocated provided: (i) such openings are not increased in size and they are protected with wired glass in steel frames conforming to Sentence 3.1.8.14.(2), or (ii) the *building* is *sprinklered*.
F136	9.10.15.2.(1)	Where balloon framing is exposed during renovation, fire stopping shall be provided.
F137	9.10.17.	(a) Subject to approval by the *chief building official*, existing fire alarm system may remain where the Fire Safety Plan for the *building* addresses the intent of Subsection 3.2.4. (i.e. "stage" system, electrical supervision, detection as required, Fire Department connection, and emergency power supply), and (b) extension of an existing system must ensure continuity and compatibility, and integrity of the system.
F138	9.10.19.	Existing access acceptable.
F139	9.18.2.	Existing access acceptable.
F140	9.18.3.	Existing vents and ventilation acceptable.
F141	9.19.2.1.	Existing access acceptable.
F142	9.20.2.2.	Used masonry may be reused for patching and filling openings to match adjacent work. Used interior brick may not be used for exterior applications.
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Table 11.5.1.1.F. (Cont'd)
Compliance Alternatives for Industrial Occupancies
Forming Part of Article 11.5.1.1.

NUMBER	PART 9 REQUIREMENTS	PART 11 COMPLIANCE ALTERNATIVE
F143	9.20.3.	Archaic mortars may be used to match existing jointing.
F144	9.20.4.1.	Sound jointing techniques may be employed to match existing archaic joints.
F145	9.20.12.1.	Corbelling may be constructed to match existing or original details, provided that it is structurally adequate for the proposed use.
F146	9.21.	Existing acceptable, provided the products of combustion are safely vented and provided no fire hazard is created.
F147	9.22.1. to 9.22.7.	Sound period materials, designs and techniques may be employed in recreated fireplaces provided no fire hazard is created. Existing need not comply with Article 9.22.1.4.
F148	9.23.	Existing acceptable.
F149	9.24.	Existing acceptable.
F150	9.25.2.1.(5) to (7)	Existing acceptable.
F151	9.26.	Existing acceptable.
F152	9.27.	Existing acceptable.
F153	9.28.	All replacement or recreation of existing stucco may be compatible with the existing materials and application.
F154	9.29.4.	Existing acceptable. All replacement or recreation of existing plaster may be compatible with the existing materials and application.
F155	9.33.1.2.	Sound, used or antique *appliances* are acceptable, provided that: (a) visual examination shows no excessive weakening by corrosion or other damage, (b) no structural parts are missing, (c) no cracks are present in the components intended to support the *appliance* or enclose the fire, and (d) loading and ash removal door latches and hinges hold the door closed.
F156	9.34.4.1.; 9.34.4.3.	Existing meter mounting devices and overhead and underground supply need not be relocated to these requirements during renovations.
F157	9.34.4.4.; 9.34.4.5.	Existing acceptable.
F158	9.37.	Sound used materials shall be acceptable for reuse, subject to the following limitations: (a) visual examination shows no excessive weakening by holes, notches, nail splits or other damage, and (b) logs have not been subjected to termite infestation.
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