

Table 9.23.12.3.-A

Maximum Spans for Douglas Fir – Larch Lintels – No. 1 or No. 2 Grade – Non-Structural Sheathing⁽¹⁾
 Forming Part of Sentences 9.23.2.8.(1), 9.23.4.5.(1), 9.23.12.3.(1) and (3)

Lintel Supporting	Lintel Size, mm ⁽²⁾	Maximum Span, m ⁽³⁾⁽⁴⁾						Interior Walls	
		Exterior Walls							
		Specified Snow Load, kPa							
		1.0	1.5	2.0	2.5	3.0			
Limited attic storage and ceiling	2 – 38 × 89	This Area Intentionally Left Blank					1.25		
	2 – 38 × 140	This Area Intentionally Left Blank					1.78		
	2 – 38 × 184	This Area Intentionally Left Blank					2.17		
	2 – 38 × 235	This Area Intentionally Left Blank					2.65		
	2 – 38 × 286	This Area Intentionally Left Blank					3.08		
Roof and ceiling only (tributary width of 0.6 m maximum) ⁽⁵⁾	2 – 38 × 89	2.68	2.34	2.13	1.97	1.86	1.97		
	2 – 38 × 140	4.21	3.68	3.34	3.10	2.92	3.10		
	2 – 38 × 184	5.50	4.84	4.39	4.08	3.84	4.08		
	2 – 38 × 235	6.61	5.97	5.56	5.21	4.88	5.21		
	2 – 38 × 286	7.66	6.92	6.44	6.09	5.66	6.09		
Roof and ceiling only (tributary width of 4.9 m maximum) ⁽⁶⁾	2 – 38 × 89	1.25	1.07	0.96	0.87	0.80	0.87		
	2 – 38 × 140	1.78	1.53	1.36	1.24	1.15	1.24		
	2 – 38 × 184	2.17	1.86	1.66	1.51	1.40	1.51		
	2 – 38 × 235	2.65	2.28	2.03	1.85	1.71	1.85		
	2 – 38 × 286	3.08	2.64	2.35	2.14	1.98	2.14		
Roof, ceiling and 1 storey ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	0.96	0.88	0.82	0.77	0.73	0.68		
	2 – 38 × 140	1.37	1.26	1.17	1.10	1.04	0.97		
	2 – 38 × 184	1.67	1.53	1.42	1.34	1.26	1.18		
	2 – 38 × 235	2.04	1.88	1.74	1.63	1.54	1.44		
	2 – 38 × 286	2.37	2.18	2.02	1.90	1.79	1.67		
Roof, ceiling and 2 storeys ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	0.86	0.81	0.77	0.73	0.70	0.61		
	2 – 38 × 140	1.23	1.16	1.09	1.04	0.99	0.87		
	2 – 38 × 184	1.50	1.41	1.33	1.27	1.21	1.06		
	2 – 38 × 235	1.84	1.72	1.63	1.55	1.48	1.30		
	2 – 38 × 286	2.13	2.00	1.89	1.80	1.72	1.51		
Roof, ceiling and 3 storeys ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	0.81	0.77	0.73	0.71	0.68	0.57		
	2 – 38 × 140	1.15	1.10	1.05	1.01	0.97	0.82		
	2 – 38 × 184	1.40	1.33	1.28	1.22	1.18	1.00		
	2 – 38 × 235	1.71	1.63	1.56	1.50	1.44	1.22		
	2 – 38 × 286	1.99	1.89	1.81	1.74	1.67	1.41		

Notes to Table 9.23.12.3.-A:

- (1) Where structural sheathing is used, lintel spans may be increased by 15%. Structural sheathing consists of a minimum 9.5 mm thick structural panel conforming to CSA O121, CSA O151, CSA O325 or CSA O437.0 fastened with at least two rows of fasteners to the exterior face of the lintel, and a single row to the top plates and studs. Fasteners shall conform to Table 9.23.3.5.-A.
- (2) A single piece of 89 mm thick lumber may be used in lieu of 2 pieces of 38 mm thick lumber on edge.
- (3) If floor joists span the full width of the building without support, lintel spans shall be reduced by 15% for "Roof, ceiling and 1 storey", by 20% for "Roof, ceiling and 2 storeys", and by 25% for "Roof, ceiling and 3 storeys".
- (4) For ends of lintels fully supported by walls, provide minimum bearing length of 38 mm for lintel spans up to 3 m, or minimum bearing length of 76 mm for lintel spans greater than 3 m.
- (5) Spans for 0.6 m tributary width are calculated for lintels in end walls that support only a 0.6 m width of roof and ceiling, but do not support roof joists, roof rafters or roof trusses.
- (6) Lintel spans are calculated based on a maximum floor joist, roof joist or rafter span of 4.9 m and a maximum roof truss span of 9.8 m. Lintel spans may be increased by 5% if rafter and joist spans are not more than 4.3 m and roof truss spans are not more than 8.6 m. Spans may be increased by 10% if rafter and joist spans are not more than 3.7 m and roof trusses are not more than 7.4 m.
- (7) Spans apply only where the floors serve residential areas as described in Table 4.1.5.3., or the uniformly distributed live load does not exceed that specified for residential areas as described in Table 4.1.5.3.

Table 9.23.12.3.-B
Maximum Spans for Hem – Fir Lintels – No. 1 or No. 2 Grade – Non-Structural Sheathing⁽¹⁾
 Forming Part of Sentences 9.23.2.8.(1), 9.23.4.5.(1), 9.23.12.3.(1) and (3)

Lintel Supporting	Lintel Size, mm ⁽²⁾	Maximum Span, m ⁽³⁾⁽⁴⁾						Interior Walls	
		Exterior Walls							
		Specified Snow Load, kPa							
		1.0	1.5	2.0	2.5	3.0			
Limited attic storage and ceiling	2 – 38 × 89	This Area Intentionally Left Blank					1.31		
	2 – 38 × 140	This Area Intentionally Left Blank					1.87		
	2 – 38 × 184	This Area Intentionally Left Blank					2.27		
	2 – 38 × 235	This Area Intentionally Left Blank					2.78		
	2 – 38 × 286	This Area Intentionally Left Blank					3.23		
Roof and ceiling only (tributary width of 0.6 m maximum) ⁽⁵⁾	2 – 38 × 89	2.68	2.34	2.13	1.97	1.86	1.97		
	2 – 38 × 140	4.21	3.68	3.34	3.10	2.92	3.10		
	2 – 38 × 184	5.50	4.84	4.39	4.08	3.84	4.08		
	2 – 38 × 235	6.61	5.97	5.56	5.21	4.90	5.21		
	2 – 38 × 286	7.66	6.92	6.44	6.09	5.82	6.09		
Roof and ceiling only (tributary width of 4.9 m maximum) ⁽⁶⁾	2 – 38 × 89	1.31	1.13	1.00	0.91	0.84	0.91		
	2 – 38 × 140	1.87	1.61	1.43	1.30	1.20	1.30		
	2 – 38 × 184	2.27	1.95	1.74	1.58	1.42	1.58		
	2 – 38 × 235	2.78	2.39	2.13	1.92	1.71	1.92		
	2 – 38 × 286	3.23	2.77	2.47	2.17	1.94	2.17		
Roof, ceiling and 1 storey ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	1.01	0.93	0.86	0.81	0.76	0.69		
	2 – 38 × 140	1.44	1.32	1.23	1.14	1.05	0.95		
	2 – 38 × 184	1.75	1.61	1.47	1.34	1.23	1.12		
	2 – 38 × 235	2.14	1.96	1.76	1.60	1.48	1.35		
	2 – 38 × 286	2.49	2.22	2.00	1.82	1.69	1.55		
Roof, ceiling and 2 storeys ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	0.91	0.85	0.80	0.76	0.72	0.60		
	2 – 38 × 140	1.29	1.21	1.13	1.05	0.98	0.82		
	2 – 38 × 184	1.57	1.44	1.33	1.24	1.16	0.98		
	2 – 38 × 235	1.90	1.73	1.60	1.49	1.40	1.19		
	2 – 38 × 286	2.15	1.97	1.82	1.70	1.60	1.37		
Roof, ceiling and 3 storeys ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	0.85	0.81	0.77	0.74	0.69	0.55		
	2 – 38 × 140	1.21	1.14	1.06	1.00	0.95	0.76		
	2 – 38 × 184	1.43	1.33	1.25	1.18	1.12	0.91		
	2 – 38 × 235	1.72	1.60	1.50	1.42	1.35	1.10		
	2 – 38 × 286	1.95	1.82	1.72	1.63	1.55	1.27		

Notes to Table 9.23.12.3.-B:

- (1) Where structural sheathing is used, lintel spans may be increased by 15%. Structural sheathing consists of a minimum 9.5 mm thick structural panel conforming to CSA O121, CSA O151, CSA O325 or CSA O437.0 fastened with at least two rows of fasteners to the exterior face of the lintel, and a single row to the top plates and studs. Fasteners shall conform to Table 9.23.3.5.-A.
- (2) A single piece of 89 mm thick lumber may be used in lieu of 2 pieces of 38 mm thick lumber on edge.
- (3) If floor joists span the full width of the building without support, lintel spans shall be reduced by 15% for "Roof, ceiling and 1 storey", by 20% for "Roof, ceiling and 2 storeys", and by 25% for "Roof, ceiling and 3 storeys".
- (4) For ends of lintels fully supported by walls, provide minimum bearing length of 38 mm for lintel spans up to 3 m, or minimum bearing length of 76 mm for lintel spans greater than 3 m.
- (5) Spans for 0.6 m tributary width are calculated for lintels in end walls that support only a 0.6 m width of roof and ceiling, but do not support roof joists, roof rafters or roof trusses.
- (6) Lintel spans are calculated based on a maximum floor joist, roof joist or rafter span of 4.9 m and a maximum roof truss span of 9.8 m. Lintel spans may be increased by 5% if rafter and joist spans are not more than 4.3 m and roof truss spans are not more than 8.6 m. Spans may be increased by 10% if rafter and joist spans are not more than 3.7 m and roof trusses are not more than 7.4 m.
- (7) Spans apply only where the floors serve residential areas as described in Table 4.1.5.3., or the uniformly distributed live load does not exceed that specified for residential areas as described in Table 4.1.5.3.

Table 9.23.12.3.-C

Maximum Spans for Spruce – Pine – Fir Lintels – No. 1 or No. 2 Grade – Non-Structural Sheathing⁽¹⁾
 Forming Part of Sentences 9.23.2.8.(1), 9.23.4.5.(1), 9.23.12.3.(1) and (3)

Lintel Supporting	Lintel Size, mm ⁽²⁾	Maximum Span, m ⁽³⁾⁽⁴⁾						
		Exterior Walls					Interior Walls	
		Specified Snow Load, kPa						
		1.0	1.5	2.0	2.5	3.0		
Limited attic storage and ceiling	2 – 38 × 89	This Area Intentionally Left Blank					1.27	
	2 – 38 × 140	This Area Intentionally Left Blank					1.93	
	2 – 38 × 184	This Area Intentionally Left Blank					2.35	
	2 – 38 × 235	This Area Intentionally Left Blank					2.88	
	2 – 38 × 286	This Area Intentionally Left Blank					3.34	
Roof and ceiling only (tributary width of 0.6 m maximum) ⁽⁵⁾	2 – 38 × 89	2.55	2.23	2.02	1.88	1.77	1.88	
	2 – 38 × 140	4.01	3.50	3.18	2.96	2.78	2.96	
	2 – 38 × 184	5.27	4.61	4.18	3.88	3.66	3.88	
	2 – 38 × 235	6.37	5.76	5.34	4.96	4.67	4.96	
	2 – 38 × 286	7.38	6.67	6.21	5.87	5.61	5.87	
Roof and ceiling only (tributary width of 4.9 m maximum) ⁽⁶⁾	2 – 38 × 89	1.27	1.11	1.01	0.93	0.87	0.93	
	2 – 38 × 140	1.93	1.66	1.48	1.35	1.25	1.35	
	2 – 38 × 184	2.35	2.02	1.80	1.64	1.52	1.64	
	2 – 38 × 235	2.88	2.47	2.20	2.01	1.84	2.01	
	2 – 38 × 286	3.34	2.87	2.56	2.33	2.09	2.33	
Roof, ceiling and 1 storey ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	1.05	0.96	0.89	0.84	0.79	0.74	
	2 – 38 × 140	1.49	1.37	1.27	1.19	1.13	1.02	
	2 – 38 × 184	1.82	1.67	1.55	1.44	1.33	1.20	
	2 – 38 × 235	2.22	2.04	1.89	1.73	1.59	1.45	
	2 – 38 × 286	2.58	2.36	2.15	1.96	1.81	1.66	
Roof, ceiling and 2 storeys ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	0.94	0.88	0.83	0.79	0.76	0.64	
	2 – 38 × 140	1.34	1.26	1.19	1.13	1.06	0.88	
	2 – 38 × 184	1.63	1.53	1.44	1.33	1.25	1.05	
	2 – 38 × 235	1.99	1.87	1.72	1.60	1.50	1.27	
	2 – 38 × 286	2.31	2.12	1.96	1.82	1.71	1.45	
Roof, ceiling and 3 storeys ⁽³⁾⁽⁶⁾⁽⁷⁾	2 – 38 × 89	0.88	0.83	0.80	0.77	0.74	0.59	
	2 – 38 × 140	1.25	1.19	1.14	1.08	1.02	0.81	
	2 – 38 × 184	1.52	1.44	1.35	1.27	1.21	0.97	
	2 – 38 × 235	1.86	1.73	1.62	1.53	1.45	1.17	
	2 – 38 × 286	2.11	1.96	1.84	1.74	1.66	1.35	

Notes to Table 9.23.12.3.-C:

- (1) Where structural sheathing is used, lintel spans may be increased by 15%. Structural sheathing consists of a minimum 9.5 mm thick structural panel conforming to CSA O121, CSA O151, CSA O325 or CSA O437.0 fastened with at least two rows of fasteners to the exterior face of the lintel, and a single row to the top plates and studs. Fasteners shall conform to Table 9.23.3.5.-A.
- (2) A single piece of 89 mm thick lumber may be used in lieu of 2 pieces of 38 mm thick lumber on edge.
- (3) If floor joists span the full width of the building without support, lintel spans shall be reduced by 15% for "Roof, ceiling and 1 storey", by 20% for "Roof, ceiling and 2 storeys", and by 25% for "Roof, ceiling and 3 storeys".
- (4) For ends of lintels fully supported by walls, provide minimum bearing length of 38 mm for lintel spans up to 3 m, or minimum bearing length of 76 mm for lintel spans greater than 3 m.
- (5) Spans for 0.6 m tributary width are calculated for lintels in end walls that support only a 0.6 m width of roof and ceiling, but do not support roof joists, roof rafters or roof trusses.
- (6) Lintel spans are calculated based on a maximum floor joist, roof joist or rafter span of 4.9 m and a maximum roof truss span of 9.8 m. Lintel spans may be increased by 5% if rafter and joist spans are not more than 4.3 m and roof truss spans are not more than 8.6 m. Spans may be increased by 10% if rafter and joist spans are not more than 3.7 m and roof trusses are not more than 7.4 m.
- (7) Spans apply only where the floors serve residential areas as described in Table 4.1.5.3., or the uniformly distributed live load does not exceed that specified for residential areas as described in Table 4.1.5.3.

Table 9.23.12.3.-D

Maximum Spans for Glued-Laminated Timber Lintels – 20f-E Stress Grade – Exterior Walls – Roof and Ceiling Load Only
 Forming Part of Sentences 9.23.2.8.(1), 9.23.4.5.(1), 9.23.12.3.(1) and (3)

Lintel Size, mm	Maximum Span, m ⁽¹⁾⁽²⁾⁽³⁾														
	Specified Snow Load, kPa														
	1.0			1.5			2.0			2.5			3.0		
	Supported Length, m ⁽⁴⁾⁽⁵⁾														
	2.4	3.6	4.8	2.4	3.6	4.8	2.4	3.6	4.8	2.4	3.6	4.8	2.4	3.6	4.8
130 × 304	6.23	5.63	5.24	5.63	5.09	4.73	5.24	4.73	4.40	4.95	4.48	4.17	4.73	4.28	3.87
80 × 380	6.52	5.89	5.48	5.89	5.32	4.96	5.48	4.96	4.52	5.19	4.69	4.11	4.96	4.39	3.80
130 × 342	6.80	6.15	5.72	6.15	5.56	5.17	5.72	5.17	4.81	5.41	4.89	4.55	5.17	4.67	4.35
80 × 418	7.00	6.33	5.89	6.33	5.72	5.32	5.89	5.32	4.96	5.57	5.03	4.52	5.32	4.81	4.18
130 × 380	7.36	6.65	6.19	6.65	6.01	5.59	6.19	5.59	5.21	5.86	5.29	4.92	5.59	5.06	4.70
80 × 456	7.48	6.76	6.29	6.76	6.10	5.68	6.29	5.68	5.29	5.95	5.37	4.93	5.68	5.13	4.56
130 × 418	7.91	7.15	6.65	7.15	6.46	6.01	6.65	6.01	5.59	6.29	5.68	5.29	6.01	5.43	5.05
80 × 494	7.94	7.17	6.68	7.17	6.48	6.03	6.68	6.03	5.61	6.31	5.71	5.31	6.03	5.45	4.94
80 × 532	8.39	7.58	7.06	7.58	6.85	6.38	7.06	6.38	5.93	6.67	6.03	5.61	6.38	5.76	5.32
130 × 456	8.44	7.63	7.10	7.63	6.89	6.41	7.10	6.41	5.97	6.71	6.07	5.65	6.41	5.80	5.39

Notes to Table 9.23.12.3.-D:

- (1) Spans are valid for glued-laminated timber conforming to CAN/CSA-O122 and CSA O177.
- (2) Provide a minimum bearing length of 89 mm. (Alternatively, the bearing length may be calculated in accordance with Part 4.)
- (3) Top edge of lintel assumed to be fully laterally supported.
- (4) Supported length means half the length of trusses or rafters, plus the length of overhang beyond the wall.
- (5) For intermediate supported lengths, straight interpolation may be used.

Part 10

Change of Use

10.1. General

10.1.1. Scope 3

10.2. Classification of Existing Buildings

10.2.1. Classification 3

10.3. Requirements

10.3.1. General 4

10.3.2. Performance Level 4

10.4. Compliance Alternatives

10.4.1. Compliance Alternatives 6

Part 10

Change of Use (See Note A-10)

Section 10.1. General

10.1.1. Scope

10.1.1.1. Scope

- (1) The scope of this Part shall be as described in Subsection 1.3.3. of Division A.

10.1.1.2. Change in Major Occupancy

- (1) The following changes of use are also deemed to be a change in *major occupancy* for the purposes of this Part:
- (a) a *suite* of a Group C *major occupancy* is converted into more than one *suite* of a Group C *major occupancy*,
 - (b) a *suite* or part of a *suite* of a Group A, Division 2 or Group A, Division 4 *major occupancy* is converted to a *gaming premises*,
 - (c) a *farm building* or part of a *farm building* is changed to another *major occupancy* other than a Group G *major occupancy*,
 - (d) a *building* or part of a *building* is changed to a *post-disaster building*,
 - (e) a *building* or part of a *building* is changed to a *retirement home*,
 - (f) the use of a *building* or part of a *building* is changed and the previous *major occupancy* of the *building* or part of the *building* cannot be determined, or
 - (g) a *farm building* or part of a *farm building* is changed to a Group G, Division 1 *major occupancy*.

Section 10.2. Classification of Existing Buildings

10.2.1. Classification

10.2.1.1. Classification of Major Occupancy

- (1) Every existing *building* or part of it shall be classified according to its *major occupancy* in accordance with the requirements of Part 2 or Subsection 3.1.2.

10.2.1.2. Classification According to Construction and Occupancy

- (1) Except as provided in Sentence (2), for the purposes of this Part, existing *buildings* shall be classified as to their *construction* and *occupancy* as provided for in Sentence 11.2.1.1.(1).

- (2) For the purpose of Parts 10 and 11, the calculation of the *construction index* and *hazard index* for Group G *major occupancy* is permitted to be based on Group F, Division 2 *major occupancy*.

10.2.1.3. Building Size and Construction

r1 (1) The requirements of Articles 2.2.2.3. to 2.2.2.8. and 3.2.2.20. to 3.2.2.93. do not apply to this Part.

Section 10.3. Requirements

10.3.1. General

10.3.1.1. General

- e2 (1) Except as provided in Section 10.4., a *building* or part of a *building* subject to a change of *major occupancy* shall conform to the requirements of Subsection 3.2.6., Sections 3.7., 3.11. and 3.12., Sentences 6.3.1.1.(2) and 6.3.2.7.(1), Subsections 9.5.1. and 9.5.3., 9.5.3A. to 9.5.3F. and 9.5.4., Sentences 9.6.1.4.(3), (4), Article 9.7.2.3., Sentences 9.8.8.1.(4) to (8) and 9.9.10.1.(1) to (7), Subsection 9.10.17., Sections 9.31. and 9.32., Sentence 9.33.6.13.(7.1), and Subsections 9.34.1. to 9.34.3. as they apply to the new *major occupancy* that the *building* or part of a *building* is to support.
- (2) Where a *major occupancy* is changed to a Group B, Division 2 *major occupancy*, heating, ventilating, and air conditioning systems shall conform to the requirements of Sentence 6.2.1.1.(1).
- (3) Where a *major occupancy* is changed to a Group B, Division 3 *major occupancy*, ventilation, air circulation, and filtration systems, shall conform to the requirements of Sentence 6.2.1.1.(1).

10.3.2. Performance Level

10.3.2.1. General

- (1) The *performance level* of a *building* after the change of *major occupancy* shall not be less than the *performance level* prior to the change of *major occupancy*.
- (2) For the purposes of Sentence (1), reduction of *performance level* shall be determined in accordance with Article 10.3.2.2.
- (3) For the purpose of this Subsection, where a permit to construct a *farm building* has been applied for before January 1, 2025, the *performance level* of the *farm building* is permitted to be evaluated based on the applicable requirements of Ontario Regulation 332/12 (Building Code) made under the Act, as it read on December 31, 2024.

10.3.2.2. Reduction in Performance Level

- (1) Except as provided in Sentence (2), the *performance level* of a *building* or part of a *building* is reduced where the existing structural floor and roof framing systems and their supporting members are not adequate to support the proposed *dead loads* and *live loads* of the new *major occupancy* that the *building* is to support.
- (2) The inadequacy of the existing structural floor or roof framing system and its supporting members to support the proposed *dead loads* and *live loads* does not reduce the *performance level* of the *building* if the portion of the floor affected by the proposed loads is restricted to the loading it will support and signs stating the restrictions are posted.
- (3) Except as provided in Section 10.4., the *performance level* of a *building* or part of a *building* is reduced where the early warning and evacuation systems requirements of the *building* do not meet the early warning and evacuation systems requirements set out in Table 10.3.2.2.-A for the new *major occupancy* that the *building* is to support.

Table 10.3.2.2.-A
For Evaluation of Early Warning/Evacuation
 Forming Part of Sentence 10.3.2.2.(3)⁽²⁾

Early Warning / Evacuation Evaluation ⁽²⁾	Compliance Alternative ⁽¹⁾
Early Warning and Evacuation to be evaluated 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 9.9.11.; (d) lighting of exits, lighting of access to exits and emergency lighting in Subsection 3.2.7. or 9.9.12.; (e) fire alarm system in Subsection 3.2.4. or 9.10.18.; (f) smoke alarms in Subsection 9.10.19.; (g) travel distance and number of exits in other Parts of this Division; (h) smoke control measures, and at least one elevator to permit transport of firefighters 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 3.3.1.13. and 3.4.6.16., 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.

Notes to Table 10.3.2.2.-A:

- (1) See Tables 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) In the case of farm buildings, Early Warning and Evacuation to be evaluated against the corresponding Part 2 requirements to items (a) to (e) and (g) and (j) in this Table.
- (4) Except as provided in Sentence (5), the performance level of an existing building is reduced where a change in use will result in a change of the major occupancy of all or part of an existing building to another major occupancy of a greater hazard index.
- (5) Except as provided in Sentence (6), if the hazard index of the new major occupancy is greater than the hazard index of the existing major occupancy, the performance level is not reduced where the hazard index of the new major occupancy is not greater than the construction index of the existing building.
- (6) 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 new major occupancy provided,
 - (a) the building does not contain a Group B, Division 1, a Group C, or a Group F, Division 1 occupancy, and
 - (b) firefighting access complying with Articles 3.2.5.1. to 3.2.5.5. or Subsection 9.10.20. is provided.
- (7) Except as provided in Sentence (8), the performance level of a building or part of a building is reduced in an existing building of combustible construction where,
 - (a) the occupancy is changed to a residential occupancy in all or part of the building, and
 - (b) if the building was new, it would have been required to be of noncombustible construction or to be constructed in accordance with Article 3.2.2.51. or 3.2.2.60.
- (8) A change in the occupancy of a building or part of a building to a residential occupancy does not reduce the performance level of the building or part of the building where,
 - (a) the building is sprinklered, and
 - (b) the building does not exceed 6 storeys in building height.
- (9) The performance level of a building or part of a building is reduced where the new major occupancy in an existing building of multiple occupancy is not separated from adjoining major occupancies by fire separations having fire-resistance ratings conforming to Article 3.1.3.1., Subsection 9.10.9. or Table 10.3.2.2.-B.

Table 10.3.2.2.-B⁽¹⁾
Additional Upgrading for Multiple Major Occupancies
 Forming Part of Sentence 10.3.2.2.(9)

New Major Occupancy	Code Requirements	Compliance Alternative	
All	Table 3.1.3.1. and Subsection 9.10.9. Where:	For Existing Building Reduce to	If Sprinklered Reduce to
	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

Notes to Table 10.3.2.2.B:

- (1) For buildings with multiple major occupancies only, where there is a change in major occupancy.
 - (10) The performance level of a building is reduced where the building after the change of major occupancy will not comply with Article 3.1.3.2. or 9.10.9.14.
 - (11) The performance level of a building or part of a building is reduced where, after a change of major occupancy,
 - (a) the total daily design sanitary sewage flow of the new 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 that will, under the new major occupancy, be discharged to a sewage system serving the building is prohibited by Article 8.1.3.1.
 - (12) The performance level of an existing building or part of an existing building is reduced where,
 - (a) the use of the building or part of the building is changed to a retirement home, and
 - (b) any of the following applies:
 - (i) the retirement home is not sprinklered throughout,
 - (ii) Clause 3.2.6.8.(1)(b) or (c), as applicable, requires that a voice communication system conforming to Article 3.2.4.22. be provided in the building and such a system is not provided in the building, or
 - (iii) the retirement home contains one or more doors to suites or sleeping rooms not within suites, other than doors leading directly to the exterior, that are not equipped with self-closing devices.

Section 10.4. Compliance Alternatives

10.4.1. Compliance Alternatives

10.4.1.1. Substitution

- (1) Except as provided in Sentence (3), a compliance alternative to a requirement contained in Part 3, 4, 6 or 8 that is 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 the requirement 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) Except as provided in Sentence (3), a compliance alternative to a requirement contained in Part 9 or 12 shown in Tables 11.5.1.1.-C, 11.5.1.1.-D/E or 11.5.1.1.-F may be substituted for the requirement without satisfying the chief building official that the requirement is impracticable.
- (3) Where the building has been in existence for less than five years, compliance alternatives may only be used in respect of requirements of this Division that are referenced in Sentences 10.3.2.2.(3), (5) and Table 10.3.2.2.-B.

Part 11

Renovation

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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 Subsection 1.3.3. of Division A.

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 its *construction index* as provided for in this Part, including Table 11.2.1.1.-A, and (See Note A-11.2.1.1.(1)(a))
 - (b) *occupancy* on the basis of its *hazard index* as provided for in this Part, including Tables 11.2.1.1.-B to 11.2.1.1.-N. (See Note A-11.2.1.1.(1)(b))

- (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) firefighting access complying with Articles 3.2.5.1. to 3.2.5.5. or Subsection 9.10.20. is provided.
- r1 (3) The requirements of Articles 2.2.2.3. to 2.2.2.8. and 3.2.2.20. to 3.2.2.93. do not apply to this Part.
- (4) For the purpose of this Part, the calculation of the *construction index* and *hazard index* for a Group G *major occupancy* is permitted to be based on a Group F, Division 2 *major occupancy*.

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 Article 2.2.1.2., 3.1.3.2. or 9.10.9.14.

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. (See Note A-11.3.1.1.(1))

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. (See Note A-11.3.1.2.(1))

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.

11.3.3. Renovation

11.3.3.1. Basic Renovation (See Note A-11.3.3.1.)

(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* or the structural adequacy or will not create an unhealthy environment in the *building*.

(2) *Construction* in respect of a Group B, Division 3 *occupancy*, a *hotel* or a *retirement home* may be carried out in accordance with Sentence (1) only if the *construction* will be in conformance with the Fire Code made under the *Fire Protection and Prevention Act, 1997*.

11.3.3.2. Extensive Renovation (See Note A-11.3.3.2.)

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

(2) Except as provided in Section 11.5., the proposed *construction* within an existing *suite* shall comply with the requirements of Section 3.8. where,

- (a) new interior walls or floor assemblies are installed,
- (b) the *suite* has an area greater than 300 m², and
- (c) the *suite* is located in,
 - (i) a *floor area* where the existing difference in elevation between the adjacent ground level and the floor level is not more than 200 mm, or
 - (ii) a normally occupied *floor area* which is accessible by a passenger type elevator or other platform equipped passenger elevating device from an entrance *storey* where the existing difference in elevation between the adjacent ground level and the entrance *storey* level is not more than 200 mm.

(3) Except as provided in Section 11.5., the proposed *construction* within an existing *suite*, other than a *suite* described in Sentence (2) or a *suite* in a *building* described in Clause 3.8.1.1.(1)(a), (b), (c) or (d), shall comply with the requirements of Sentences 3.8.1.3.(6), 3.8.2.3.(6), 3.8.3.1.(6), 3.8.3.3.(19), 3.8.3.7.(1), 3.8.3.15.(5) and 3.8.3.16.(4) where new interior walls or floor assemblies are installed. (See Note A-11.3.3.2.(3))

(4) Except as provided in Sentence (5), where existing interior walls or ceilings or floor assemblies or roof assemblies are substantially removed on any *storey* in an existing *building* and new interior walls, ceilings, floor assemblies or roof assemblies are installed, the *storey* shall be *sprinklered* if,

- (a) the *storey* will contain a Group C *major occupancy*, and
- (b) the *building* is over 3 *storeys* in *building height*.

(5) Sentence (4) does not apply where the *building*,

- (a) conforms to Subclause 3.2.2.50.(1)(a)(ii), and
- (b) contains *dwelling units* having *means of egress* conforming to Sentence 3.3.4.4.(8).

(6) Where existing interior walls or ceilings or floor assemblies or roof assemblies are substantially removed and new interior walls, ceilings, floor assemblies or roof assemblies are installed in an existing *building* or part of an existing *building* that is a *retirement home*, the following requirements apply:

- (a) the *retirement home* shall be *sprinklered*,
- (b) a voice communication system conforming to Article 3.2.4.23. shall be provided in the *building*, if Clause 3.2.6.8.(1)(b) or (c), as applicable, requires that such a voice communication system be provided in the *building*, and
- (c) doors to *suites* and sleeping rooms not within *suites* in the *retirement home*, other than doors leading directly to the exterior, shall be equipped with self-closing devices.

11.3.4. Plumbing

11.3.4.1. Extension, Material Alteration or Repair

- (1) Despite Subsections 11.3.1. to 11.3.3., when an existing *building* is extended or subject to material alteration or repair, Part 7 applies,
- (a) to the design and *construction* of *plumbing* in the extensions and those parts of the *building* subject to material alteration and repair, and
 - (b) to *plumbing* which is adversely affected by the extension, alteration or repair.

11.3.5. Sewage Systems

11.3.5.1. Existing Septic Tanks

- (1) Despite Subsections 11.3.1. to 11.3.3., where an existing *septic tank* is subject to material alteration, repair or replacement, the *construction* of the *septic tank* shall comply with Part 8.

11.3.5.2. Vertical Separations and Existing Sewage Systems

- (1) Despite Subsections 11.3.1. to 11.3.3., where an existing *sewage system* is extended or is subject to material alteration or repair, the requirements respecting the vertical separation to the water table set out in Part 8 apply to the extended, altered or repaired portions of the *sewage system* as well as to the existing portions of the *sewage system*.

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.
- (4) For the purpose of this Subsection, where a permit to construct a *farm building* has been applied for before January 1, 2025, the *performance level* of the *farm building* is permitted to be evaluated based on the applicable requirements of Ontario Regulation 332/12 (Building Code) made under the Act, as it read on December 31, 2024.

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 provided 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 3.4.3.2.

11.4.2.3. Change of Major Occupancy

- (1) Except as provided 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*,
 - (c) the conversion of a *suite* or part of a *suite* of a Group A, Division 2 or a Group A, Division 4 *major occupancy* into a *gaming premises*,
 - (d) the change of a *farm building* or part of a *farm building* to another *major occupancy other than a Group G major occupancy*,
 - (e) the change of a *building* or part of a *building* to a *post-disaster building*,
 - (f) the change of a *building* or part of a *building* to a *retirement home*,
 - (g) 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, or
 - (h) the change of a *farm building* or part of a *farm building* to a Group G, Division 1 *major occupancy*.
- (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 (h) is also 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 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 2.2.1.4., 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 of *noncombustible construction* or to be constructed in accordance with Article 3.2.2.51. or 3.2.2.60.

(6) Despite Clause (1)(a), the *performance level* of an existing *building* is reduced where proposed *construction* will result in the change of the *major occupancy* of all or part of an existing *building* to a Group C *major occupancy* in a *building* over 3 *storeys* in *building height*, except in a *building* conforming to Subclause 3.2.2.50.(1)(a)(ii) and having an egress facility conforming to Sentence 3.3.4.4.(8).

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* that,

- (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.

11.4.2.6. Extension of Buildings of Combustible Construction

(1) The *performance level* of an existing *building* of *combustible construction* is reduced where the existing *building* is extended by adding a *storey* or *storeys* such that the extended *building* will be more than four *storeys* in *building height*.

11.4.3. Compensating Construction

11.4.3.1. General (See Note A-11.4.3.1.)

(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,
- 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
 - 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),
- remedial measures shall be taken to support the proposed loads, or
 - 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.

(See Note A-11.4.3.2.(1))

11.4.3.3. Increase in Occupant Load (See Note A-11.4.3.3.)

- (1) Where the *performance level* of an existing *building* is reduced under Sentence 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,
- 14 persons or fewer 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
 - 16 persons or fewer 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 Sentences 2.4.2.1.(1) and 6.3.1.1.(2), Subsection 3.7.4. and Article 9.31.1.1.

11.4.3.4. Change in Major Occupancy (See Note A-11.4.3.4.)

- (1) Where the *performance level* of an existing *building* is reduced under Clause 11.4.2.3.(1)(a), (b), (c), (d), (e) or (g), 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) A *building* or part of the *building* subject to a change of *major occupancy* shall conform to the requirements of Articles 2.4.2.3. to 2.4.2.5., Subsection 3.2.6., Sections 3.7., 3.11., 3.12., Sentences 6.3.1.1.(2), and 6.3.2.7.(1) and 9.33.6.13.(7.1), Subsections 9.5.1. and 9.5.3., 9.5.3A. to 9.5.3F. and 9.5.4., Section 9.7., Subsection 9.10.17., Sections 9.31. and 9.32., and Subsections 9.34.1. to 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 the *fire separations* 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 the *building* to be of *noncombustible construction* or to be constructed in accordance with Article 3.2.2.51. or 3.2.2.60. is satisfied if the *building* is *sprinklered*.

(6) Where the *performance level* is reduced under Sentence 11.4.2.3.(6), the *storey* subject to the change shall be *sprinklered*.

(7) Where the *performance level* of an existing *building* is reduced under Clause 11.4.2.3.(1)(f), the following requirements apply:

- (a) the *retirement home* shall be *sprinklered*,
- (b) a voice communication system conforming to Article 3.2.4.22. shall be provided in the *building*, and
- (c) doors to *suites* and sleeping rooms not within *suites* in the *retirement home*, other than doors leading directly to the exterior, shall be equipped with self-closing devices.

(8) Where a *major occupancy* is changed to a Group B, Division 2 *major occupancy*, heating, ventilating, *air conditioning* systems shall conform to the requirements of Sentence 6.2.1.1.(1).

(9) Where a *major occupancy* is changed to a Group B, Division 3 *major occupancy*, ventilation, air circulation, and filtration systems shall conform to the requirements of Sentence 6.2.1.1.(1).

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.

11.4.3.7. Extension of Buildings of Combustible Construction

(1) Where the *performance level* of an existing *building* is reduced under Article 11.4.2.6., the *building* shall be *sprinklered*.

Section 11.5. Compliance Alternatives

11.5.1. Compliance Alternatives (See Note A-11.5.1.)

11.5.1.1. Compliance Alternatives

(1) A *compliance alternative* shown in Table 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, 6 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*.