Review this document in conjunction with the National Building Code-2019 Alberta Edition.

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3.1.3.2. Prohibition of Occupancy Combinations 4) A building conforming to Article 3.2.2.50. is permitted to contain a storage garage below the fourth storey. (See Appendix A-3.1.3.2.(3) and (5).) (See also Sentence 4.4.2.1.(1).)	3.1.3.2. Prohibition of Occupancy Combinations 4) A building conforming to Article 3.2.2.50. is permitted to contain a storage garage below the fourth storey. (See Appendix A-3.1.3.2.(3) and (5).) (See also Sentence 4.4.2.1.(1).) 4) 5) *** existing sentences renumbered ***	Deleted Sentence (4).
3.1.4.2. Protection of Foamed Plastics 1) Foamed plastics that form part of a wall or ceiling assembly in a building of combustible construction shall be protected from adjacent spaces in the building, other than adjacent concealed spaces within attic or roof spaces, crawl spaces, and wall assemblies, a),b),c)etc.	3.1.4.2. Protection of Foamed Plastics (See Note A-3.1.4.2.) 1) Foamed Except as permitted in Sentence (2), foamed plastics that form part of a wall or ceiling assembly in a building of combustible construction shall be protected from adjacent spaces in the building, other than adjacent concealed spaces within attic or roof spaces, crawl spaces, and wall and ceiling assemblies, a) by one of the interior finishes described in Subsections 9.29.4. to 9.29.9., b) provided the building does not contain a Group A, Group B or Group C major occupancy, by sheet metal i) mechanically fastened to the supporting assembly independent of the insulation, ii) not less than 0.38 mm thick, and iii) with a melting point not below 650°C, or c) by any thermal barrier that meets the requirements of Sentence 3.1.5.12. 3.1.5.15.(2) (see Appendix A Note A-3.1.4.2.(1)(c)). (See Note A-3.1.4.2.(1).)	Inserted new Sentences (2) and (3).
	2) A walk-in cooler or freezer consisting of factory-assembled wall, floor or ceiling panels containing foamed plastics is permitted in a building required to be of combustible construction, provided the panels a) are protected on both sides by sheet metal not less than 0.38 mm thick having a melting point not less than 650°C, b) do not contain an air space, and c) when a sample panel with an assembled joint typical of field installation is subjected to the applicable test described in Subsection 3.1.12., have a flame-spread rating not more than that permitted for the space in which they are located or the space that they bound, as applicable. (See Note A-3.1.4.2.(2) and 3.1.5.7.(3).) 3) The flame-spread rating of doors containing foamed plastics shall comply with Sentences 3.1.13.2.(1) to (3).	

3.1.4.3. Wires and Cables 2) Except as permitted in Sentence (3), optical fibre cables and electrical wires and cables with combustible insulation, jackets or sheathes that are used for the transmission of voice, sound or data and are installed in a plenum in a building permitted to be of in conformance with the Vertical Flame Test - Cables in Cable Trays in Clause 4.11.40 of in Conformance with the Vertical Flame Test - Cables in Cable Trays in Clause 4.11.40 of in Conformance with the Vertical Flame Test - Cables in Cable Trays in Clause 4.11.40 of in Conformance with the Vertical Flame Test - Cables in Cable Trays in Clause 4.11.40 of in Conformance with the Vertical Flame Test - Cables in Cable Trays in Clause 4.11.40 of in Conformance with the Vertical Flame Test - Cables in Cable Trays in Clause 4.11.40 of in Conformance with the Vertical Flame Test - Cables in Cable Trays in Clause A.11.40 of Sentence (2). Sentence [2]. ### Conformance Vision Systems need not comply with the requirements of Sentence [2]. ### Conformance Vision Systems need not comply with the requirements of Sentence [2]. ### Conformance Vision Systems need not comply with the requirements of Sentence [2]. ### Conformance Vision Systems need not comply with the requirements of Sentence [2]. ### Conformance Vision Systems need not comply with the requirements of Sentence [2]. ### Conformance Vision Systems need not comply with the requirements of Sentence [2]. ### Conformance Vision Systems need not comply with the requirements of Sentence [2]. ### Conformance Vision Systems need not comply the Systems of Sentence (3) and (a) optical fibre cables and electrical wires and Cables with combustable malation, jackets on sepate to tall year of the Transmission of Systems and Cables with combustable malation, jackets on Sentence (3) and Cables on Sentence (4) and Cables on Sentence (4) and Cables on Sent	ABC 2014	NBC(AE) 2019	Comments
2) Except as permitted in Sentence (3), optical fibre cables and electrical wires and cables with combistible insulation, jackets or sheathes that are used for the transmission of voice, sound or data and are installed in a plenum in a building permitted to be of in conformance with the Vertical Flame Test - Cables in Cable Trays in Cause 4.11.4 of 15.6 A 22.2 No. 3.3. "Test Methods for Electrical Wires and Cables," (FI drating). 3) Cables or wires within plenum spaces that are used for the transmission of signals in the alarm, security, nation, and televation broadcasting, closed circuit television or community television systems need not comply with the requirements of Sentence (2). Sentence (2): Sentence (2): Sentence (2): All Provided Provid			
6) Roofs in heavy timber construction shall be of tongued and grooved phenolic-bonded plywood not less than 28 mm thick, or glued-laminated or solid sawn plank that is a) not less than 38 mm thick, splined or tongued and grooved, or b) not less than 38 mm wide and 64 mm deep set on edge and laid so that no continuous line of end joints will occur except at the points of support 3.1.4.8. Exterior Cladding 1) Not less than 90% of the exterior cladding on each exterior wall of buildings conforming to Article 3.2.2.50. or 3.2.2.58. shall consist of a) noncombustible cladding, or b) a wall assembly that satisfies the criteria of Sentences 3.1.5.5.(3) and (4) when tested in accordance with CAN/ULC-5134, "Fire Test of Exterior Wall Assemblies." (See Appendix A.) (See also A-3.1.5.5.(3) and A-3.1.5.5.(4) in Appendix A.) (See Appendix Note & -3.1.4.8. (1).) (See also Notes A-3.1.5.5.(3)) (See also Notes A-3.1.5.5.(4)) in A-3.1.5.5.(4) in A-3.1.5.5.(4	2) Except as permitted in Sentence (3), optical fibre cables and electrical wires and cables with <i>combustible</i> insulation, jackets or sheathes that are used for the transmission of voice, sound or data and are installed in a <i>plenum</i> in a <i>building</i> permitted to be of in conformance with the Vertical Flame Test - Cables in Cable Trays in Clause 4.11.4 of CSA C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables," (FT4 rating). 3) Cables or wires within <i>plenum</i> spaces that are used for the transmission of signals in fire alarm, security, radio, and television broadcasting, closed circuit television or community television systems need not comply with the requirements of Sentence (2).	2) Except as permitted in Sentence Sentences (3) and (4), optical fibre cables and electrical wires and cables with combustible insulation, jackets or sheathes that are used for the transmission of voice, sound or data and are installed in a plenum in a building permitted to be of combustible construction shall exhibit the following characteristics a) a horizontal flame distance of not more than 1.5 m, b) an average optical smoke density of not more than 0.15, and c) a peak optical smoke density of not more than 0.5. 3) Except as permitted in Sentence (4), where totally enclosed noncombustible raceways are used in a plenum, exposed components of wiring systems with combustible insulation, jackets or sheathes, including optical fibre cables and electrical wires and cables that are used for the transmission of voice, sound or data, that are installed in the plenum or that extend not more than 9 m from the plenum, including drop down to the floor level, are permitted, provided they exhibit a vertical char of not more than 1.5 m when tested in conformance with the Vertical Flame Test—Cables in Cable Trays (FT6 rating) in Clause 4.11.4 of CSA C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables," (FT4 rating)." 4) 3)Cables or wires within plenum spaces plenums that are used for the transmission of signals in fire alarm, security, radio, and television broadcasting, closed circuit television or community television systems need not comply with the requirements of Sentence (2).	Inserted new Sentence (3).
1) Not less than 90% of the exterior cladding on each exterior wall of buildings conforming to Article 3.2.2.50. or 3.2.2.58. shall consist of a) noncombustible cladding, or b) a wall assembly that satisfies the criteria of Sentences 3.1.5.5.(3) and (4) when tested in accordance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies." (See Appendix A.) (See also A-3.1.5.5.(3) and A-3.1.5.5.(4) in Appendix A.) 1) Not less than 90% of the exterior cladding on each exterior wall of buildings conforming to Article 3.2.2.50. or 3.2.2.58. shall consist of a) noncombustible cladding, or b) a wall assembly that satisfies the criteria of Sentences Clause 3.1.5.5.(31) and (4) when tested in accordance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies." b). (See Appendix Note A-3.1.5.5.(31) (See also Notes A-3.1.5.5.(31) (b)(1) and A-3.1.5.5.(4) in	6) Roofs in heavy timber construction shall be of tongued and grooved phenolic-bonded plywood not less than 28 mm thick, or glued-laminated or solid sawn plank that is a) not less than 38 mm thick, splined or tongued and grooved, or b) not less than 38 mm wide and 64 mm deep set on edge and laid so that no	6) Roofs in heavy timber construction shall be of tongued and grooved phenolic-bonded plywood, strandboard or waferboard not less than 28 mm thick, or glued-laminated or solid sawn plank that is a) not less than 38 mm thick, splined or tongued and grooved, or b) not less than 38 mm wide and 64 mm deep set on edge and laid so that no	
3.1.5.2. Minor Combustible Components 3.1.5.2. Minor Combustible Components	1) Not less than 90% of the exterior cladding on each exterior wall of <i>buildings</i> conforming to Article 3.2.2.50. or 3.2.2.58. shall consist of a) <i>noncombustible</i> cladding, or b) a wall assembly that satisfies the criteria of Sentences 3.1.5.5.(3) and (4) when tested in accordance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies." (See Appendix A.) (See also A-3.1.5.5.(3) and A-3.1.5.5.(4) in Appendix A.)	1) Not less than 90% of the exterior cladding on each exterior wall of <i>buildings</i> conforming to Article 3.2.2.50. or 3.2.2.58. shall consist of a) <i>noncombustible</i> cladding, or b) a wall assembly that satisfies the criteria of Sentences Clause 3.1.5.5.(31) and (4) when tested in accordance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies."b). (See Appendix Note A-3.1.4.8.(1).) (See also Notes A-3.1.5.5.(31)(b)(I) and A-3.1.5.5.(4) in Appendix A1)(b)(ii).)	See article 3.1.5.5.

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1) The following minor combustible components are permitted in a building	1) The following minor combustible components are permitted in a building	
required to be of noncombustible construction:	required to be of noncombustible construction:	
a) paint (see also Sentence 3.1.5.10.(1)),	a) paint (see also Sentence 3.1.5.10.(1 Clause 3.1.13.1.(2)(b)),	
b) mastics and caulking materials, including foamed plastic air sealants,	b) self-adhesive tapes, mastics and caulking materials, including foamed plastic	
applied to provide a seal between the major components of exterior wall	air sealants, applied to provide a seal between the major components	
construction, (see also Article 3.6.4.3. for limits on the use of <i>combustible</i>		
materials in <i>plenum</i> spaces),		
3.1.5.5. Combustible Components for Exterior Walls	3.1.5.5. Combustible Components for Cladding on Exterior Walls	Deleted Sentence (3) and (4). See 3.1.5.6.
1) Except as required in Sentence (2), an exterior non-loadbearing wall assembly	1) Except as required provided in Sentence Sentences (2) and (3), an exterior	
that includes combustible components is permitted to be used in a building required	non-loadbearing wall assembly that includes combustible components cladding is	
to	permitted to be used <u>on an exterior wall assembly</u> in a <i>building</i> required to be of	
be of noncombustible construction provided	noncombustible construction, provided	
a) the building is	a) the building is	
i) not more than 3 storeys in building height, or	i) not more than 3 storeys in building height, or	
ii) sprinklered throughout,	ii) sprinklered throughout,	
b) the interior surfaces of the wall assembly are protected by a thermal barrier	b)the interior surfaces of the wall assembly are protected by a	
conforming to Sentence 3.1.5.12.(3), and	thermal barrier conforming to Sentence 3.1.5.12.(3), and	
c) the wall assembly satisfies the criteria of Sentences (3) and (4) when	b) c)the wall assembly satisfies the criteria of Sentences (3) and (4) when subjected	
subjected to testing in conformance with CAN/ULC-S134, "Fire Test of	to testing in conformance when tested in accordance with CAN/ULC-S134,	
Exterior Wall Assemblies."	"Fire Test of Exterior Wall Assemblies."," the wall assembly satisfies the	
(See Appendix A.)	following criteria for testing and conditions of acceptance (see Note	
2) Except as permitted by Articles 3.2.3.10. and 3.2.3.11., where the <i>limiting distance</i>	A-3.1.5.5.(1)(b)):	
in Tables 3.2.3.1.B. to 3.2.3.1.E. permits an area of <i>unprotected openings</i> of not more	i) flaming on or in the wall assembly does not spread more	
than 10% of the <i>exposing building face</i> , the construction requirements of Table	than 5 m above the opening (see Note A-3.1.5.5.(1)(b)(i)),	
3.2.3.7.	<u>and</u>	
shall be met.	ii) (See Appendix A.) the heat flux during the flame exposure	
3) Flaming on or in the wall assembly shall not spread more than 5 m above	on the wall assembly is not more than 35 kW/m 2 measured at 3.5 m above the	
the opening during or following the test procedure referenced in Sentence (1).	opening (see Note A-3.1.5.5.(1)(b)(ii)).	
(See Appendix A.)	2) Except as permitted by Articles 3.2.3.10. and 3.2.3.11., where the <i>limiting distance</i>	
4) The heat flux during the flame exposure on a wall assembly shall be not	in Tables 3.2.3.1B. to 3.2.3.1E. permits an area of <i>unprotected openings</i> of not	
more than 35 kW/m 2 measured 3.5 m above the opening during the test procedure	more than 10% of the <i>exposing building face</i> , the construction requirements of Table	
referenced in Sentence (1). (See Appendix A.)	3.2.3.7. shall be met.	
5) A wall assembly permitted by Sentence (1) that includes combustible cladding of	3)Flaming on or in the wall assembly shall not spread more than 5 m above the	
fire-retardant-treated wood shall be tested for fire exposure after the cladding has	opening during or following the test procedure referenced in Sentence (1). (See	
been	Appendix A.)	
subjected to an accelerated weathering test as specified in ASTM D 2898,	4)The heat flux during the flame exposure on a wall assembly shall be not more	
"Accelerated	than 35 kW/m 2 measured 3.5 m above the opening during the test procedure	
Weathering of Fire-Retardant-Treated Wood for Fire Testing."	referenced in Sentence (1). (See Appendix A.)	
	3) 5) A wall assembly permitted by Sentence (1) that includes <i>combustible</i> cladding of	
	fire-retardant-treated wood shall be tested for fire exposure after the cladding has	
	been subjected to an accelerated weathering test as specified in ASTM D 2898,	
	"Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing."	

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	3.1.5.6. Combustible Components in Exterior Walls	Inserted new article.
	3.1.5.7. Factory-Assembled Panels	Inserted new article.
3.1.5.6. Nailing Elements	3.1.5.8. 3.1.5.6. Nailing Elements	Renumbered Article 3.1.5.6. To 3.1.5.12.
3.1.5.7. Combustible Millwork	3.1.5.9. 3.1.5.7. Combustible Millwork	
3.1.5.8. Combustible Flooring Elements	3.1.5.10. 3.1.5.8. Combustible Flooring Elements	
3.1.5.9. Combustible Stairs in Dwelling Units	3.1.5.11. 3.1.5.9. Combustible Stairs in Dwelling Units	
3.1.5.10. Combustible Interior Finishes	3.1.5.12. 3.1.5.10. Combustible Interior Finishes	
1) Combustible interior finishes, including paint, wallpaper, and other interior	1) Combustible interior finishes, including paint, wallpaper, and other Except as	
finishes not more than 1mm thick, are permitted in a building required to be of	permitted in Sentences (2) and (3), combustible interior wall and ceiling finishes	
noncombustible construction.	referred to in Clause 3.1.13.1.(2)(b) that are not more than 1 mm thick, are permitted	
2) Combustible interior wall finishes, other than foamed plastics, are permitted in a	in a building required to be of noncombustible construction.	
building required to be of noncombustible construction provided they	2) Combustible interior wall finishes, other than <u>foamed plastics</u> , that are not more	
a) are not more than 25 mm thick, and	than 25 mm thick are permitted in a building required to be of noncombustible	
b) have a flame-spread rating not more than 150 on any exposed surface, or	construction, provided they	
any surface that would be exposed by cutting through the material in any direction.	a)are not more than 25 mm thick, and b) have a flame-spread rating not more than	
3) Combustible interior ceiling finishes, other than foamed plastics, are permitted in a	150 on any exposed surface, or any surface that would be exposed by cutting through	
building required to be of noncombustible construction provided they	the material in any direction.	
a) are not more than 25 mm thick, except for exposed fire-retardant-treated wood	3) Combustible Except as provided in Sentence (4), combustible interior ceiling	
battens, and	finishes, other than foamed plastics, that are not more than 25 mm thick are	
b) have a <i>flame-spread rating</i> not more than 25 on any exposed surface, or on	permitted in a <i>building</i> required to be of <i>noncombustible construction</i> , provided they	
any surface that would be exposed by cutting through the material in any	a)are not more than 25 mm thick, except for exposed fire-retardant treated wood	
direction, or are of <i>fire-retardant-treated wood</i> , except that not more than	battens, and b) have a flame-spread rating not more than 25 on any exposed surface,	
10% of the ceiling area within each <i>fire compartment</i> is permitted to have a	or on	
flame-spread rating not more than 150.	any surface that would be exposed by cutting through the material in any direction,	
	Of	
	are of <i>fire retardant-treated wood</i> , except that not more than 10% of the ceiling area	
	within each <i>fire compartment</i> is permitted to have a <i>flame-spread rating</i> not more than 150.	
	4) Combustible interior ceiling finishes made of fire-retardant-treated wood are	
	permitted in a <i>building</i> required to be of <i>noncombustible construction</i> , provided they	
	are not more than 25 mm thick or are exposed <i>fire-retardant-treated wood</i> battens.	
3.1.5.11.Gypsum Board	3.1.5.13. 3.1.5.11. Gypsum Board	Renumbered Article.
3.1.5.12. Combustible Insulation and its Protection	3.1.5.14. 3.1.5.12. Combustible Insulation and its Protection	
1) Combustible insulation, other than foamed plastics, is permitted in a building	(See Notes A-3.1.4.2. and A-3.1.4.2.(1).)	
required to be of noncombustible construction provided that it has a flame-spread	1) Foamed plastic insulation shall conform to Article 3.1.5.15.	
rating not more than 25 on any exposed surface, or any surface that would be	2) 1) Combustible insulation, other than foamed plastics, is permitted in a building	
exposed by cutting through the material in any direction, where the insulation is not	required to be of noncombustible construction provided that it has with a flame-	
protected as described in Sentences (3) and (4).	spread rating not more than 25 on any exposed surface, or any surface that would be	
	exposed by cutting through the material in any direction, where the insulation is not	
	protected as described in Sentences (3) and (4).2)Foamed is permitted in a building	
	required to be of non-combustible construction.	
	3) Combustible insulation is permitted to be installed above roof decks, outside of	

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	foundation walls below ground level, and beneath concrete slabs-on-ground of	
	buildings	
	required to be of noncombustible construction.	
	4) Except as provided in Sentences (5) and (6), combustible insulation with a	
	flame-spread rating more than 25 but not more than 500 on any exposed surface, or	
	any surface that would be exposed by cutting through the material in any direction, is	
	permitted in a <i>building</i> required to be of <i>noncombustible construction</i> , provided	
	the insulation is protected from adjacent space in the building, other than adjacent	
	concealed spaces within wall assemblies, by a thermal barrier consisting of	
	a) not less than 12.7 mm thick gypsum board mechanically fastened to a	
	supporting assembly independent of the insulation,	
	b) lath and plaster, mechanically fastened to a supporting assembly	
	independent of the insulation,	
	c) masonry, or	
	d) concrete.	
	5) Combustible insulation with a flame-spread rating more than 25 but not more	
	than 500 on any exposed surface, or any surface that would be exposed by cutting	
	through the material in any direction, is permitted in the exterior walls of a <i>building</i>	
	required to be of noncombustible construction that is not sprinklered and is more	
	than 18 m high, measured from grade to the underside of the roof, provided the	
	insulation is protected from adjacent space in the building, other than adjacent	
	concealed spaces within wall assemblies, by a thermal barrier consisting of	
	a) gypsum board not less than 12.7 mm thick, mechanically fastened to a	
	supporting assembly independent of the insulation and with all joints either	
	backed or taped and filled,	
	b) lath and plaster, mechanically fastened to a supporting assembly	
	independent of the insulation,	
	c) masonry or concrete not less than 25 mm thick, or	
	d) any thermal barrier that, when tested in conformance with CAN/ULC-S101,	
	"Fire Endurance Tests of Building Construction and Materials," will not	
	develop an average temperature rise more than 140°C or a maximum	
	temperature rise more than 180°C at any point on its unexposed face within 10	
	min (see Note A-3.1.5.14.(5)(d)) (see also Article 3.2.3.7.).	
	6) Combustible insulation with a flame-spread rating more than 25 but not more	
	than 500 on any exposed surface, or any surface that would be exposed by cutting	
	through the material in any direction, is permitted in the interior walls, within ceilings	
	and within roof assemblies of a building required to be of noncombustible	
	construction that is not sprinklered and is more than 18 m high, measured from grade	
	to the underside of the roof, provided the insulation is protected from adjacent space	
	in the building, other than adjacent concealed spaces within wall assemblies, by a	
	thermal barrier consisting of	
	a) Type X gypsum board not less than 15.9 mm thick, mechanically fastened to a	
	supporting assembly independent of the insulation and with all joints either	1

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	<u>backed or taped and filled, conforming to</u> <u>i) ASTM C 1177/C 1177M, "Glass Mat Gypsum Substrate for</u>	
	<u>Use as Sheathing,"</u>	
	ii) ASTM C 1178/C 1178M, "Coated Glass Mat	
	Water-Resistant Gypsum Backing Panel,"	
	<u>iii) ASTM C 1396/C 1396M, "Gypsum Board,"</u>	
	iv) ASTM C 1658/C 1658M, "Glass Mat Gypsum Panels," or	
	v) CAN/CSA-A82.27-M, "Gypsum Board,"	
	b) non-loadbearing masonry or concrete not less than 50 mm thick,	
	c) loadbearing masonry or concrete not less than 75 mm thick, or	
	d) any thermal barrier that, when tested in conformance with CAN/ULC-S101,	
	"Fire Endurance Tests of Building Construction and Materials,"	
	i) does not develop an average temperature rise more than 140°C or a maximum temperature rise more than 180°C at any point on its unexposed face within 20 min,	
	and	
	ii) remains in place for not less than 40 min.	
	il) Terriains in place for flot less than 40 min.	
3.1.5.12. Combustible Insulation and its Protection	3.1.5.15. Foamed Plastic Insulation	Combustible insulation and Foam plastic are in
	(See Notes A-3.1.4.2. and A-3.1.4.2.(1).)	separate Articles.
	1) Foamed plastic insulation is permitted to be installed above roof decks, outside of	
	foundation walls below ground level, and beneath concrete slabs-on-ground of a	"Foamed plastic" is no longer a defined term.
	building required to be of noncombustible construction.	
	2) Except as provided in Sentences (3) and (4), foamed plastic insulation	See 3.1.5.6. and 3.1.5.7
consisting of	Having with a flame-spread rating not more than 25 500 on any exposed surface, or	
a) not less than 12.7 mm thick gypsum board mechanically fastened to a	any surface that would be exposed by cutting through the material in any direction, is	
supporting assembly independent of the insulation,	permitted in a <i>building</i> required to be of <i>noncombustible construction</i> , provided the	
b) lath and plaster, mechanically fastened to a supporting assembly independent of	insulation is protected from adjacent space in the building, other than adjacent	
	concealed spaces within wall assemblies, by a thermal barrier consisting of	
	a) not less than 12.7 mm thick gypsum board mechanically fastened to a	
	supporting assembly independent of the insulation,	
	b) lath and plaster, mechanically fastened to a supporting assembly	
	independent of the insulation,	
	c) masonry,	
	d) concrete, or	
	e) any thermal barrier that meets the requirements of classification B when	
-	tested in conformance with CAN/ULC-S124, "Test for the Evaluation of	
	Protective Coverings for Foamed Plastic (see Appendix A)." 2) Combustible Foamed plastic insulation basing with a flame spread rating more	
	3) Combustible Foamed plastic insulation having with a flame-spread rating more than 25 but not more than 500 on an any exposed surface, or any surface that would	
	be exposed	
	by cutting through the material in any direction, is permitted in the exterior walls of a	
	building required to be of noncombustible construction, provided the insulation is	
thermal parties consisting of	protected from adjacent space in the building, other than adjacent concealed spaces	

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supporting assembly independent of the insulation and with all joints either backed or taped and filled, b) lath and plaster, mechanically fastened to a supporting assembly independent of the insulation, c) masonry or concrete not less than 25 mm thick, or d) any thermal barrier that, when tested in conformance with CAN/ULC-S101, "Fire Endurance Tests of Building Construction and Materials," will not develop an average temperature rise more than 140°C or a maximum temperature rise more than 180°C at any point on its unexposed face within 10 min (see also Article 3.2.3.7.).	within wall assemblies, by a thermal barrier as described in Sentence (2), except that in a building that is not sprinklered throughout and is more than 18 m high, measured between from grade and to the floor level underside of the top storey, roof, provided the insulation shall be is protected from adjacent space in the building, other than adjacent concealed spaces within wall assemblies, by a thermal barrier consisting of a) gypsum board not less than 12.7 mm thick, mechanically fastened to a supporting assembly independent of the insulation and with all joints either backed or taped and filled, b) lath and plaster, mechanically fastened to a supporting assembly independent of the insulation, c) masonry or concrete not less than 25 mm thick, or d) any thermal barrier that, when tested in conformance with CAN/ULC-S101, "Fire Endurance Tests of Building Construction and Materials," will does not develop an average temperature rise more than 140°C or a maximum temperature rise more than 180°C at any point on its unexposed face within 10 min (see Note A-3.1.5.14.(5)(d)) (see also Article 3.2.3.7.).	
3.1.5.12. Combustible Insulation and its Protection 4) <i>Combustible</i> insulation having a <i>flame-spread rating</i> more than 25 but not more than 500 on any exposed surface, or any surface that would be exposed by cutting through the material in any direction, is permitted in the interior walls, within ceilings	3.1.5.15. Foamed Plastic Insulation 4) Combustible Foamed plastic insulation having with a flame-spread rating more than 25 but not more than 500 on any exposed surface, or any surface that would be exposed by cutting through the material in any direction, is permitted in the interior	"Foamed plastic" is no longer a defined term.
and within roof assemblies of a <i>building</i> required to be of <i>noncombustible construction</i> , provided the insulation is protected from adjacent space in the <i>building</i> , other than adjacent concealed spaces within wall assemblies, by a <i>thermal barrier</i> as described in Sentence (2), except that in a <i>building</i> that is not <i>sprinklered</i> throughout	walls, within ceilings and within roof assemblies of a <i>building</i> required to be of <i>non-combustible construction</i> , provided the insulation is protected from adjacent space in the <i>building</i> , other than adjacent concealed spaces within wall assemblies, by a <i>thermal barrier</i> as described in Sentence (2), except that in a <i>building</i> that is not	Combustible insulation and Foam plastic are in separate Articles.
and is more than 18 m high, measured between <i>grade</i> and the floor level of the top <i>storey</i> , the insulation shall be protected by a <i>thermal barrier</i> consisting of a) Type X gypsum board not less than 15.9 mm thick, mechanically fastened to a supporting assembly independent of the insulation and with all joints either backed or taped and filled, conforming to i) ASTM C 1396/C 1396M, "Gypsum Board," or ii) CAN/CSA-A82.27-M, "Gypsum Board," b) non- <i>loadbearing</i> masonry or concrete not less than 50 mm thick, c) <i>loadbearing</i> masonry or concrete not less than 75 mm thick, or d) any <i>thermal barrier</i> that, when tested in conformance with CAN/ULC-S101, "Fire Endurance Tests of Building Construction and Materials," i) will not develop an average temperature rise more than 140°C or a maximum temperature rise more than 180°C at any point on its unexposed face within 20 min, and ii) will remain in place for not less than 40min. 5) <i>Combustible</i> insulation, including <i>foamed plastics</i> , installed above roof decks,	sprinklered throughout and is more than 18 m high, measured between from grade and to the floor level underside of the top storey, roof, provided the insulation shall be is protected from adjacent space in the building, other than adjacent concealed spaces within wall assemblies, by a thermal barrier consisting of a) Type X gypsum board not less than 15.9 mm thick, mechanically fastened to a supporting assembly independent of the insulation and with all joints either backed or taped and filled, conforming to i) ASTM C 1177/C 1177M, "Glass Mat Gypsum Substrate for Use as Sheathing," ii) ASTM C 1178/C 1178M, "Coated Glass Mat Water-Resistant Gypsum Backing Panel," iii) i) ASTM C 1396/C 1396M, "Gypsum Board," or iv) ii) CAN/CSA-A82.27-M, "Gypsum Board," b) non-loadbearing masonry or concrete not less than 50 mm thick, c) loadbearing masonry or concrete not less than 75 mm thick, or d) any thermal barrier that, when tested in conformance with CAN/ULC-S101, "Fire Endurance Tests of Building Construction and Materials,"	See 3.1.5.6. and 3.1.5.7

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outside of <i>foundation</i> walls below ground level and beneath concrete slabs-on-	i) will does not develop an average temperature rise more than	
ground is permitted to be used in a <i>building</i> required to be of <i>noncombustible</i>	140°C or a maximum temperature rise more than 180°C at	
construction.	any point on its unexposed face within 20 min, and	
6) Thermosetting <i>foamed plastic</i> insulation having a <i>flame-spread rating</i> not more	ii) will remain remains in place for not less than 40 min.	
than 500 that forms part of a factory-assembled exterior wall panel that does not	5) Combustible insulation, including foamed plastics, installed above roof decks,	
incorporate an air space is permitted to be used in a building required to be of	outside of foundation walls below ground level and beneath concrete slabs-on-	
noncombustible construction provided	ground is permitted to be used in a building required to be of noncombustible	
a) the <i>foamed plastic</i> is protected on both sides by sheet steel not less than	construction.	
0.38 mm thick that will remain in place for not less than 10 min when the	6)Thermosetting foamed plastic insulation having a flame-spread rating not more	
wall panel is tested in conformance with CAN/ULC-S101, "Fire Endurance	than 500 that forms part of a factory assembled exterior wall panel that does not	
Tests of Building Construction and Materials,"	incorporate an air space is permitted to be used in a building required to be of	
b) the <i>flame-spread rating</i> of the wall panel, determined by subjecting a	noncombustible construction provided	
sample including an assembled joint to the appropriate test described in	a)the foamed plastic is protected on both sides by sheet steel not less than	
Subsection 3.1.12., is not more than the <i>flame-spread rating</i> permitted for the	0.38 mm thick that will remain in place for not less than 10 min when the	
room or space that it bounds,	wall panel is tested in conformance with CAN/ULC-S101, "Fire	
c) the building does not contain a Group B or Group C major occupancy, and	Endurance Tests of Building Construction and Materials,"	
d) the building is not more than 18 m high, measured between grade and the	b)the flame-spread rating of the wall panel, determined by subjecting a sample	
floor level of the top <i>storey</i> .	including an assembled joint to the appropriate test described in	
7) A factory-assembled non-loadbearing interior or exterior wall or ceiling panel	Subsection 3.1.12., is not more than the <i>flame-spread rating</i> permitted for	
containing foamed plastic insulation having a flame-spread rating of not more than	the room or space that it bounds,	
500 is permitted to be used in a <i>building</i> required to be of <i>noncombustible</i>	c)the building does not contain a Group B or Group C major occupancy, and	
construction provided	d)the building is not more than 18 m high, measured between grade and the	
a) the building is sprinklered,	floor level of the top storey.	
b) the building is not more than 18 m high, measured between grade and the	7)A factory-assembled non-loadbearing interior or exterior wall or ceiling panel	
floor level of the uppermost storey,	containing foamed plastic insulation having a flame-spread rating of not more than	
c) the building does not contain a Group A, Group B, or Group C major	500 is permitted to be used in a building required to be of noncombustible	
occupancy,	construction provided	
d) the panel does not contain an air space,	a)the building is sprinklered,	
e) the panel, when tested in conformance with CAN/ULC-S138, "Test for Fire	b)the building is not more than 18 m high, measured between grade and the	
Growth of Insulated Building Panels in a Full-Scale Room Configuration,"	floor level of the uppermost storey,	
meets the criteria defined in the document, and	c)the building does not contain a Group A, Group B, or Group C major	
f) the flame-spread rating of the panel, determined by subjecting a sample that	occupancy,	
includes an assembled joint typical of field installation to the appropriate	d)the panel does not contain an air space,	
test described in Subsection 3.1.12., is not more than the <i>flame-spread rating</i>	a)the panel, when tested in conformance with CAN/ULC-S138, "Test for Fire	
permitted for the room or space that it bounds.	Growth of Insulated Building Panels in a Full-Scale Room Configuration,"	
	meets the criteria defined in the document, andb)the flame-spread rating of the	
	panel, determined by subjecting a sample that includes an assembled joint	
	typical of field installation to the appropriate test described in Subsection 3.1.12., is	
	not more than the <i>flame-spread rating</i> permitted for the room or space that it	
	bounds.	
3.1.8.4. Determination of Ratings	3.1.8.4. Determination of Ratings and Classifications	Inserted new Sentence (3) and (4)
	1) Except as permitted by Sentences (2) and 3.1.8.14. 3.1.8.16.(1), the fire-protection	
	rating of a closure shall be determined based on the results of tests conducted in	

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1) Except as permitted by Sentences (2) and 3.1.8.14.(1), the fire-protection rating of	conformance with the appropriate provisions in in accordance with	
a <i>closure</i> shall be determined based on the results of tests conducted in conformance	a) CAN/ULC-S104, "Fire Tests of Door Assemblies,"	
with the appropriate provisions in	b) CAN4/ULC-S106-M,106, "Fire Tests of Window and Glass Block Assemblies," or	
a) CAN/ULC-S104, "Fire Tests of Door Assemblies,"	c) CAN/ULC-S112, "Fire Test of Fire Damper Assemblies." (See Articles 3.1.8.15. to	
b) CAN4-S106-M, "Fire Tests of Window and Glass Block Assemblies," or	3.1.8.17. to 3.1.8.19. for additional requirements for <i>closures</i> .)	
c) CAN/ULC-S112, "Fire Test of Fire Damper Assemblies." (See Articles 3.1.8.15. to	2) Except as permitted by Sentence 3.1.8.10. 3.1.8.12.(1), the fire-protection rating of	
3.1.8.17. for additional requirements for <i>closures</i> .)	a closure shall conform to Table 3.1.8.4. for the required fire-resistance rating of the	
2) Except as permitted by Sentence 3.1.8.10.(1), the <i>fire-protection rating</i> of a <i>closure</i>	fire separation.	
shall conform to Table 3.1.8.4. for the required <i>fire-resistance rating</i> of the <i>fire</i>	3) The leakage rate of smoke dampers and combination smoke/fire dampers shall	
separation.	a) be determined in accordance with the applicable provisions in	
	CAN/ULC-S112.1, "Leakage Rated Dampers for Use in Smoke Control	
	Systems," and	
	b) conform to Class I, II or III of that standard.	
	4) The leakage rate of a door assembly shall be determined in accordance with	
	ANSI/UL-1784, "Air Leakage Tests of Door Assemblies and Other Opening	
	<u>Protectives."</u>	
	*** No Change for Table 3.1.8.4.***	
3.1.5.13. Combustible Elements in Partitions	3.1.5.16. 3.1.5.13. Combustible Elements in Partitions	Renumbered Article 3.1.5.13 to 3.1.5.21
3.1.5.14. Storage Lockers in Residential Buildings	3.1.5.17. 3.1.5.14. Storage Lockers in Residential Buildings	
3.1.5.15. Combustible Ducts	3.1.5.18. 3.1.5.15. Combustible Ducts	
3.1.5.16. Combustible Piping Materials	3.1.5.19. 3.1.5.16. Combustible Piping Materials	
3.1.5.17. Combustible Plumbing Fixtures	3.1.5.20. 3.1.5.17. Combustible Plumbing Fixtures	
3.1.5.18. Wires and Cables	3.1.5.21. 3.1.5.18. Wires and Cables	
3.1.5.19. Combustible Travelling Cables for Elevators	3.1.5.22. 3.1.5.19. Combustible Travelling Cables for Elevators	
3.1.5.20. Non-metallic Raceways	3.1.5.23. 3.1.5.20. Non-metallic Raceways	
3.1.5.21. Decorative Wood Cladding	3.1.5.24. 3.1.5.21. Decorative Wood Cladding	
3.1.8.5. Installation of Closures	3.1.8.5. Installation of Closures	Inserted new Sentence (3), (6), and (7)
1) Except where <i>fire dampers</i> , window assemblies and glass block are used as	1) Except where fire dampers, window assemblies and glass block are used as	
closures, closures of the same fire-protection rating installed on opposite sides of the	closures, closures of the same fire-protection rating installed on opposite sides of the	
same opening are deemed to have a fire-protection rating equal to the sum of the	same opening are deemed to have a fire-protection rating equal to the sum of the	
fire-protection ratings of the closures. (See A-3.1.8.1.(2) in Appendix A.)	fire-protection ratings of the closures. (See Note A-3.1.8.1.(2) in Appendix A.)	
2) Except as otherwise specified in this Part, every door, window assembly or glass	2) Except as otherwise specified in this Part, every door, <u>fire damper</u> , window	
block used as a <i>closure</i> in a required <i>fire separation</i> shall be installed in conformance	assembly or glass block used as a closure in a required fire separation shall be	
with NFPA 80, "Fire Doors and Other Opening Protectives." (See A-3.1.8.1.(2) in	installed in conformance with NFPA 80, "Fire Doors and Other Opening Protectives."	
Appendix A.)	(See <u>Note</u> A-3.1.8.1.(2) in Appendix A.)	
3) If a door is installed such that it could damage the integrity of a <i>fire separation</i> if its	3) Except as otherwise specified in this Part, every smoke damper or combination	
swing is unrestricted, door stops shall be installed to prevent the damage.	smoke/fire damper used as a closure in a required fire separation shall be installed in	
4) Protective guarding devices shall be	conformance with NFPA 105, "Smoke Door Assemblies and Other Opening	
a) provided where necessary to prevent damage to the mechanical components of	<u>Protectives."</u>	
doors in fire separations, and	4) 3) If a door is installed such that it could damage the integrity of a fire	
b) installed so as not to interfere with the proper operation of the doors.	separation if its swing is unrestricted, door stops shall be installed to prevent the	

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3.1.8.7. Fire Dampers 1) Except as permitted by Article 3.1.8.8., a duct that penetrates an assembly	damage. 5) 4) Protective guarding devices shall be a) provided where necessary to prevent damage to the mechanical components of doors in <i>fire separations</i> , and b) installed so as not to interfere with the proper operation of the doors. 6) A leakage-rated door assembly complying with Sentence 3.1.8.4.(4) shall be installed in a) <i>fire separations</i> in protected <i>floor areas</i> referred to in Clause 3.3.1.7.(1)(b), b) <i>fire separations</i> in care or treatment occupancies referred to in Sentence 3.3.3.5.(4), and c) <i>firewalls</i> that are a <i>horizontal exit</i> referred to in Sentence 3.3.3.5.(3). 7) Leakage-rated door assemblies required by Sentence (6) shall be installed in accordance with NFPA 105, "Smoke Door Assemblies and Other Opening Protectives." 3.1.8.7. Location of Fire Dampers and Smoke Dampers 1) Except as permitted by provided in Article 3.1.8.8., a duct that penetrates an	Inserted new Sentence (2)
required to be a <i>fire separation</i> shall be equipped with a <i>fire damper</i> . 2) A <i>fire damper</i> required by Sentence (1) shall have a <i>fire-protection rating</i> conforming to Sentence 3.1.8.4.(2).	assembly required to be a fire separation shall be equipped with a fire damper. 2) A fire damper required by Sentence (1) shall have having a fire-protection rating conforming to Sentence 3.1.8.4.(2) shall be installed in conformance with Article 3.1.8.10. in ducts or air-transfer openings that penetrate an assembly required to be a fire separation. 2) Except as provided in Article 3.1.8.9., a smoke damper or a combination smoke/fire damper shall be installed in conformance with Article 3.1.8.11. in ducts or air-transfer openings that penetrate an assembly required to be a fire separation, where the fire separation a) separates a public corridor, b) contains an egress door referred to in Sentence 3.4.2.4.(2), c) serves an assembly, care, treatment, detention or residential occupancy, or d) is installed to meet the requirements of Clause 3.3.1.7.(1)(b) or Sentence 3.3.3.5.(4).	
3.1.8.8. Fire Dampers Waived	3.1.8.8. Fire Dampers Waived	
1) Fire dampers need not be provided in noncombustible branch ducts that have a	1) Fire dampers need not be provided in noncombustible branch ducts that have a	Sentence (6) moved to a new article, see 3.1.8.9.
melting point above 760°C and that penetrate a required <i>fire separation</i> provided the ducts	melting point above 760°C and that penetrate a required <i>fire separation</i> provided the ducts Except as provided in Sentence (2), the requirement for <i>fire dampers</i> stated in	
a) serve only air-conditioning units or combined air-conditioning and heating	Sentence 3.1.8.7.(1) is permitted to be waived for	
units discharging air not more than 1.2 m above the floor and have a	a) ducts that serve commercial cooking equipment (see also Article 6.3.1.7.),	
cross-sectional area not more than 0.013 m ₂ , or	b) continuous noncombustible ducts having a melting point above 760°C that	
b) are connected to <i>exhaust duct</i> risers that are under negative pressure and in	penetrate a vertical fire separation required by Sentence 3.3.1.1.(1) between	
which the airflow is upward as required by Article 3.6.3.4. and the branch	suites of assembly, mercantile, low-hazard industrial, medium-hazard industrial or	
ducts are carried up inside the riser not less than 500 mm.	high-hazard industrial occupancy,	
2) A duct penetrating a vertical <i>fire separation</i> not required to have a <i>fire-resistance</i>	c) ducts or air-transfer openings that penetrate a vertical fire separation not	
rating need not be equipped with a fire damper at the fire separation.	required to have a fire-resistance rating, or	
3) A noncombustible duct that penetrates a horizontal fire separation not required to	d) noncombustible ducts or air-transfer openings that penetrate a horizontal fire	

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have a fire-resistance rating need not be equipped with a fire damper at the fire	separation not required to have a fire-resistance rating.	
separation.	2) The requirement for <i>fire dampers</i> stated in Sentence 3.1.8.7.(1) is permitted to be	
4) A noncombustible duct that penetrates a fire separation that separates a vertical	waived for noncombustible branch ducts having a melting point above 760°C that	
service space from the remainder of the building need not be equipped with a fire	penetrate a fire separation,	
damper	a) provided the ducts	
at the fire separation provided	i) a) have a cross-sectional area not more than 0.013 m2 and serve only air-	
a) the duct has a melting point above 760°C, and	conditioning units or combined air-conditioning and heating units discharging air not	
b) each individual duct exhausts directly to the outside at the top of the vertical	more than 1.2 m above the floor and have a cross-sectional area not	
service space.	more than 0.013 m2,, or	
5) A continuous noncombustible duct having a melting point above 760°C that	ii) b) are connected to extend not less than 500 mm inside	
penetrates a vertical fire separation as required by Sentence 3.3.1.1.(1) between	exhaust duct risers that are under negative pressure and in	
suites of	which the airflow is upward as required by Article 3.6.3.4. and the branch ducts are	
other than residential, care, treatment or detention occupancy need not be equipped	carried up inside the riser not less than 500 mm.3.6.3.4., or	
with a	2)A duct penetrating a vertical fire separation not required to have a fire resistance	
fire damper at the fire separation, provided the duct is tightly sealed at the	rating need not be equipped with a fire damper at the fire separation.	
penetration	3)A noncombustible duct that penetrates a horizontal fire separation not required	
on all sides and extends for at least 1 m on both sides of the fire separation without	to have a fire-resistance rating need not be equipped with a fire damper at the fire	
any openings.	separation.	
6) A duct that serves commercial cooking equipment and penetrates a required	b) 4\text{A noncombustible duct that penetrates a where the fire separation that}	
fire separation need not be equipped with a fire damper at the fire separation. (See	separates a vertical service space from the remainder of the building need not be	
also	equipped with a fire damper at the fire separation, provided	
Article 6.2.2.7.)	a)the duct has a melting point above 760°C, andb) each individual duct exhausts	
	directly to the outside outdoors at the top of the vertical service space.	
	5) A continuous <i>noncombustible</i> duct having a melting point above 760°C that	
	penetrates a vertical fire separation as required by Sentence 3.3.1.1.(1) between	
	suites of other than residential, care, treatment or detention occupancy need not be	
	equipped with a fire damper at the fire separation, provided the duct is tightly sealed	
	at the penetration on all sides and extends for at least 1 m on both sides of the fire	
	separation without any openings.	
	6) A duct that serves commercial cooking equipment and penetrates a required	
	fire separation need not be equipped with a fire damper at the fire separation. (See	
	alsoArticle 6.2.2.7.)	
	3.1.8.9. Smoke Dampers Waived	Inserted new article
3.1.8.9. Installation of Fire Dampers	3.1.8.10. 3.1.8.9 Installation of Fire Dampers	Renumbered Article
	3.1.8.11. Installation of Smoke Dampers	Inserted new article
3.1.8.10. Twenty-Minute Closures	3.1.8.12. 3.1.8.10. Twenty-Minute Closures	Renumbered Article
3.1.8.11. Self-closing Devices	3.1.8.13. 3.1.8.11. Self-closing Devices	Renumbered Article

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3.1.8.12. Hold-Open Devices	3.1.8.14. 3.1.8.12. Hold-Open Devices	
1) A hold-open device is permitted on a door in a required <i>fire separation</i> , other than	1) A Except as provided in Sentences 3.1.8.10.(2) and 3.1.8.11.(3), a hold-open	
an exit stair door in a building more than 3 storeys in building height, and on a door	device is permitted <u>to be used</u> on a <u>door</u> <u>closure</u> in a required <u>fire separation</u> , other	
for a vestibule required by Article 3.3.5.7., provided the device is designed to release	than on an exit stair door in a building more than 3 storeys in building height, and on	
the door in conformance with Sentences (2), (3) and (4).	a door for a vestibule required by Article 3.3.5.7., provided the device is designed to	
2) Except as required by Sentence (3), a hold-open device permitted by Sentence (1)	release the door <u>closure</u> in conformance with Sentences (2), (3) and (4) this Article.	
shall be designed to release by a signal from	2) Except as required by Sentence (3) provided in Sentences (5) and (6), where the	
a) an automatic sprinkler system,	<u>building</u> is provided with a fire alarm system, a hold-open device permitted by	
b) a heat-actuated device, or	Sentence (1) shall be designed to release by a signal from	Inserted new Sentence (5)
c) a smoke detector located as described in CAN/ULC-S524, "Installation of Fire Alarm	a) an automatic sprinkler system, in a single-stage system, upon any signal from the	
Systems."	fire alarm system, and b) in a 2-stage system,	
3) A hold-open device permitted by Sentence (1) shall be designed to release upon a	i) b)a heat-actuated device, or upon any alert signal from the fire alarm system, or	
signal from a smoke detector located as described in CAN/ULC-S524, "Installation of	ii) upon actuation of any adjacent smoke detectors.	
Fire Alarm Systems," if used on	3) c) a smoke detector Where the building is provided with a fire alarm system, a	
a) an exit door,	hold-open device permitted by Sentence (1) shall release upon a signal from a smoke	
b) a door opening into a <i>public corridor</i> ,	<u>detector</u> connected to the fire alarm system and located as described in	
c) an egress door referred to in Sentence 3.4.2.4.(2),	CAN/ULC-S524, "Installation of Fire Alarm Systems."	
d) a door serving	A hold-open device permitted by Sentence (1) shall be designed to release upon a	
i) an assembly occupancy,	signal from a smoke detector located as described in CAN/ULC-S524,	
ii) a care occupancy,	"Installation of Fire Alarm Systems," if," where the hold-open device is used on	
iii) a treatment occupancy,	a) an exit door,	
iv) a detention occupancy, or	b) a door opening into a <i>public corridor</i> ,	
v) a residential occupancy, or	c) an egress door referred to in Sentence 3.4.2.4.(2),	
e) a door required to function as part of a smoke control system.	d) a door closure serving i) an assembly occupancy,ii) a care occupancy,iii) treatment	
4) A hold-open device permitted by Sentence (1) shall be designed to release upon a	occupancy,iv)a detention occupancy, or v)a residential occupancy,	
signal from the building fire alarm system if a fire alarm system is provided, except	e) a door in a fire separation referred to in Clause 3.3.1.7.(1)(b) or	
that this requirement does not apply to	<u>Sentence 3.3.3.5.(4),</u> or	
a) a hold-open device on a door located between a corridor used by the public and an	f) e) a door required to function as part of a smoke control system.	
adjacent sleeping room in a treatment occupancy, or	4) A Where the <i>building</i> is not provided with a fire alarm system, a hold-open device	
b) a hold-open device that is designed to release by a heat-actuated device in	permitted by Sentence (1) shall be designed to release upon a signal from the	
conformance with Sentence (2).	building fire alarm system if a fire alarm system is provided, except that this	
	requirement does not apply toa)a hold-open device a smoke alarm located on each	
	side of the <i>fire separation</i> at ceiling level within 1.5 m horizontally of the <i>closure</i>	
	opening in the <i>fire separation</i> , where the hold-open device is used on <i>closures</i>	
	described in Clauses (3)(a) to (e).	
	5) Where a hold-open device is used on <i>closures</i> other than those described in	
	Sentences (3) and (4), it is permitted to be released upon actuation of a heat-	
	actuated device.	
	6) A hold-open device used on a door located between a corridor used by the	
	public and an adjacent sleeping room in a treatment occupancy, orb)a hold-open	
	device that is designed to release by a heat-actuated device in conformance with	
	need not release automatically as stated in Sentence (2).	
3.1.8.13. Door Latches	3.1.8.15. 3.1.8.13. Door Latches	Renumbered Article 3.1.8.13 to 3.1.8.17.

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3.1.8.14. Wired Glass and Glass Block	3.1.8.16. 3.1.8.14. Wired Glass and Glass Block	
3.1.8.15. Temperature Rise Limit for Doors	3.1.8.17. 3.1.8.15. Temperature Rise Limit for Doors	
3.1.8.16. Area Limits for Wired Glass and Glass Block	3.1.8.18. 3.1.8.16. Area Limits for Wired Glass and Glass Block	
3.1.8.17. Temperature Rise and Area Limits Waived	3.1.8.19. 3.1.8.17. Temperature Rise and Area Limits Waived	
3.1.9.3. Penetration by Wires, Cables and Outlet Boxes	3.1.9.3. Penetration by Wires, Cables and Outlet Boxes	Removed 3.1.9.3.(6), See new article 3.1.9.4
6) Outlet boxes that penetrate opposite sides of a wall assembly shall be offset where	6) Outlet boxes that penetrate opposite sides of a wall assembly shall be offset where	
necessary to maintain the integrity of the <i>fire separation</i> .	necessary to maintain the integrity of the fire separation.	
3.1.9.3. Penetration by Wires, Cables and Outlet Boxes	3.1.9.4. Penetration by Outlet Boxes	Inserted new article.
6) Outlet boxes that penetrate opposite sides of a wall assembly shall be offset where	(See Note A-3.1.9.4.)	
necessary to maintain the integrity of the fire separation.	1) Except as provided in Sentence (2), outlet boxes are permitted to penetrate the	
, , , , , , , , , , , , , , , , , , , ,	membrane of an assembly required to have a <i>fire-resistance rating</i> , provided they are	
	sealed at the penetration by a <i>fire stop</i> that has an FT rating not less than the	
	fire-resistance rating of the fire separation when subjected to the fire test method in	
	CAN/ULC-S115, "Fire Tests of Firestop Systems."	
	2) Except as provided in Sentences 3.1.9.1.(2) and (3), noncombustible outlet boxes	
	that penetrate a vertical <i>fire separation</i> or a membrane forming part of an assembly	
	required to have a <i>fire-resistance rating</i> need not conform to Sentence (1), provided	
	a) they do not exceed	
	i) 0.016 m2 in area, and	
	ii) an aggregate area of 0.065 m2 in any 9.3 m2 of surface area,	
	<u>and</u>	
	b) the annular space between the membrane and the noncombustible electrical	
	outlet boxes does not exceed 3 mm.	
	3) In addition to the requirements of Sentence (2), outlet boxes on opposite sides of a	
	vertical fire separation having a fire-resistance rating shall be separated by	
	a) a horizontal distance of not less than 600 mm, or	
	b) a fire block conforming to Article 3.1.11.7.	
3.1.9.4. Combustible Piping Penetrations	3.1.9.5. 3.1.9.4. Combustible Piping Penetrations	Renumbered Article
3.1.9.5. Openings through a Membrane Ceiling	3.1.9.6. 3.1.9.5. Openings through a Membrane Ceiling	Renumbered Article
3.1.9.6. Plenums	3.1.9.7. 3.1.9.6. Plenums	Renumbered Article
3.1.10.3. Continuity of Firewalls	3.1.10.3. Continuity of Firewalls	Removed Alberta specific sentence 3.1.10.3(3).
3) In a building of noncombustible construction, a firewallmay be offset at any	3)In a building of noncombustible construction, a firewall may be offset at any	
intermediate floor construction, provided	intermediate floor construction, provided	
a) the fire separation for the complete firewall assembly is continuous,	a)the fire separation for the complete firewall assembly is continuous,	
b) the offset floor construction and all supporting elements have a fire-resistance	b)the offset floor construction and all supporting elements have a	
rating not less than that required for the firewall, and	fire-resistance rating not less than that required for the firewall, and	
c) the materials conform to Sentence 3.1.10.2.(3).	c)the materials conform to Sentence 3.1.10.2.(3).	
3.1.11.7. Fire Block Materials	3.1.11.7. Fire Block Materials	
1) Except as permitted by Sentences (2) to (4) and (7), materials used to separate	1) Except as permitted by Sentences (2) to (4) and (7), materials used to	
concealed spaces into compartments shall remain in place and prevent the passage	separate concealed spaces into compartments fire blocks shall remain in place and	
of flames for not less than 15 min when subjected to the standard fire exposure in	prevent the passage of flames for not less than 15 min when subjected to the	
CAN/ULC-S101, "Fire Endurance Tests of Building Construction and Materials."	standard fire exposure in CAN/ULC-S101, "Fire Endurance Tests of Building	

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2) Gypsum board not less than 12.7 mm thick and sheet steel not less than 0.38 mm thick need not be tested in conformance with Sentence (1), provided all joints have continuous support. 3) In a building required to be of noncombustible construction, wood nailing elements described in Article 3.1.5.6. need not be tested in conformance with Sentence (1). 4) In a building permitted to be of combustible construction, in a combustible roof system permitted by Sentence 3.1.5.3.(2), and in a raised platform permitted by Sentence 3.1.5.8.(2), materials used to separate concealed spaces into compartments are permitted to be a) solid lumber not less than 38 mm thick, b) phenolic bonded plywood, waferboard, or strandboard not less than 12.5 mm thick with joints supported, or c) two thicknesses of lumber, each not less than 19 mm thick with joints staggered, where the width or height of the concealed space requires more than one piece of lumber not less than 38 mm thick to block off the space(5), (6), (7)	Construction and Materials." 2) Gypsum board not less than 12.7 mm thick and sheet steel not less than 0.38 mm thick need not be tested in conformance with Sentence (1), provided all joints have continuous support. 3) In a building required to be of noncombustible construction, wood nailing elements described in Article 3.1.5.6. 3.1.5.8. need not be tested in conformance with Sentence (1). 4) In a building permitted to be of combustible construction, in a combustible roof system permitted by Sentence 3.1.5.3.(2), and in a raised platform permitted by Sentence 3.1.5.8.(2), materials used to separate concealed spaces into compartments 3.1.5.10.(2), fire blocks are permitted to be a) solid lumber or a structural composite lumber product conforming to ASTM D 5456, "Evaluation of Structural Composite Lumber Products," not less than 38 mm thick, b) phenolic bonded plywood, waferboard, or oriented strandboard not less than 12.5 mm thick with joints supported, or c) two thicknesses of lumber or a structural composite lumber product conforming to ASTM D 5456, "Evaluation of Structural Composite Lumber Products," each not less than 19 mm thick with joints staggered, where the width or height of the concealed space requires more than one piece of lumber or structural composite lumber product not less than 38 mm thick to block off the space. (5), (6), (7)	Comments
 3.1.13.6. Corridors 1) Except as permitted by Sentences (2) and (3), the flame-spread rating shall be not more than 75 for the interior wall finish of a) a public corridor, b) a corridor used by the public in an assembly occupancy, or c) a corridor serving classrooms. 2) The flame-spread rating limit specified in Sentence (1) does not apply to corridors referred to in Sentence (1) provided the flame-spread rating is not more than a) 25 on the upper half of the wall, and b) 150 on the lower half of the wall. 3) The flame-spread rating limits specified in Sentences (1) and (2) for corridors referred to in Sentence (1) does not apply to a corridor in which the flame-spread rating is not more than 150 provided the building is sprinklered throughout. 4) The flame-spread rating limits specified in Sentences (1), (2) and (3) apply to occupancies in the corridor as well as to the corridor itself. 5) Except in a building that is sprinklered throughout, the interior ceiling finish of corridors and occupancies referred to in Sentences (1) and (4) shall have a flame-spread rating not more than 25. 	 3.1.13.6. Corridors 1) Except as permitted by Sentences (2) and (3), the flame-spread rating shall be not more than 75 for the interior wall finish of a) a public corridor, b) a corridor used by the public in an assembly occupancy, or c) a corridor serving classrooms. 2) The flame-spread rating limit for corridors specified in Sentence (1) does not apply to corridors referred to in Sentence (1) is permitted to be waived, provided the flame-spread rating is not more than a) 25 on the upper half of the wall, and b) 150 on the lower half of the wall. 3) The Where the floor area is sprinklered throughout, the flame-spread rating limits ratings for corridors specified in Sentences (1) and (2) for corridors referred to in Sentence (1) does not apply to a corridor in which the flame spread rating is not more than 150 provided the building is sprinklered throughout. shall be not more than 150. 4) The flame-spread rating limits ratings specified in Sentences (1), (2) and (3) apply to occupancies in the corridor as well as to the corridor itself. 	Inserted new sentence (6).

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	 5) Except in a building that is sprinklered throughout as provided in Sentence (6), the interior ceiling finish of corridors and occupancies referred to in Sentences (1) and (4) shall have a flame-spread rating not more than 25. 6) Where the floor area is sprinklered throughout, the flame-spread rating of the interior ceiling finish of corridors and occupancies referred to in Sentences (1) and (4) shall be not more than 150. 	
 3.1.15.2. Roof Coverings 2) A roof covering is not required to have a Class A, B or C classification for a) a tent, b) an air-supported structure, or c) a building of Group A, Division 2 occupancy not more than 2 storeys in building height and not more than 1 000 m2 in building area provided the roof covering is underlaid with noncombustible material. 	3.1.15.2. Roof Coverings 2) A roof covering is not required to have a Class A, B or C classification for a) a tent, b) an air-supported structure, or c) a building of Group A, Division 2 occupancy not more than 2 storeys in building height and not more than 1 000 m2 in building area provided the roof covering is underlaid with noncombustible material, or d) a steel building system referred to in Article 4.3.4.3., provided the roof covering consists of brick, masonry, concrete, metal sheets or metal shingles.	Inserted new Clause (2)(d).
3.2.1.7. Automatic Fire Suppression Systems 3) In addition to the requirements for sprinklers under Subsection 3.2.2., all floor areas or parts of floor areas of residential occupancy shall be sprinklered.	3.2.1.7. Automatic Fire Suppression Systems 3) In addition to the requirements for sprinklers under Subsection 3.2.2., all floor areas or parts of floor areas of residential occupancy shall be sprinklered.	All residential buildings are sprinklered in Alberta
 3.2.2.7. Superimposed Major Occupancies 3) A building that is wholly constructed in accordance with the building area and construction requirements of Article 3.2.2.50. is permitted to contain a) Group A, Division 2 and Group E major occupancies below the second storey, or b) a storage garage above the third storey (see also Sentence 4.4.2.1.(1).). 4) A building that is wholly constructed in accordance with the building area and construction requirements of Article 3.2.2.58. shall not contain a) Group A, Division 2, Group E, and Group F, Division 2 or 3 major occupancies above the second storey, or b) a storage garage above the third storey (see also Sentence 4.4.2.1.(1).). 	 3.2.2.7. Superimposed Major Occupancies 3) A building that is wholly constructed in accordance with the building area and construction requirements of Article 3.2.2.50. is permitted to shall not contain a) Group A, Division 2 and Group E major occupancies below above the third second storey, and or b) a storage garage below above the fourth third storey (see also Sentence 4.4.2.1.(1)-). 4) A building that is wholly constructed in accordance with the building area and construction requirements of Article 3.2.2.58. is permitted to shall not contain a) Group A, Division 2, Group E, and Group F, Division 2 or 3 major occupancies below above the third second storey, and or b) a storage garage below above the fourth third storey (see also Sentence 4.4.2.1.(1)-). 	
3.2.2.25. Group A, Division 2, up to 3 Storeys (See also Article 3.2.1.7.) 1) A building classified as Group A, Division 2 is permitted to conform to Sentence (2) provided a) it is not more than 3 storeys in building height, and b) it has a building area not more than the value in Table 3.2.2.25.	3.2.2.25. Group A, Division 2, up to 32 Storeys (See also Article 3.2.1.7.) 1) A building classified as Group A, Division 2 is permitted to conform to Sentence (2) provided a) it is not more than 32 storeys in building height, and b) it has a building area not more than the value in Table 3.2.2.25.	

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Table 3.2.2.25. Maximum Building Area, Group A, Division 2, up to 3_Storeys Forming Part of Sentence 3.2.2.25.(1)			Table 3.2.2.25. Maximum Building Area, Group A, Division 2, up to 32_Storeys Forming Part of Sentence 3.2.2.25.(1)					
No. of Storeys		Maximum Area, n	n2	No. of Storeys		Maximum Area, r	n2	
No. of Storeys	Facing 1 Street	Facing 2 Streets	Facing 3 Streets	No. of Storeys	Facing 1 Street	Facing 2 Streets	Facing 3 Streets	
1	1 600	2 000	2 400	1	1 600	2 000	2 400	
2	800	1 000	1 200	2	800	1 000	1 200	
3	400	500	600	3	400	500	600	
i) 4 800 m2 if ii) 2 400 m2 if	area not more than 1 storey in building I 2 storeys in building f 3 storeys in building	height, g height, or		ii) 2 400 m2 if 2	rea not more than storey in building h storeys in building storeys in building	neight, <u>or</u> height , or		
2.2.56. Reserved				3.2.2.56 Group D, up to 1) A building classified a) it is not more that b) it has a building a	l as Group D is peri n 6 <i>storeys</i> in <i>build</i>	ing height, and	o Sentence (2) provided	Article harmonized with NBC
					<u>Table</u> imum Building Are	2 3.2.2.56. Pa, Group D, up to (Sentence 3.2.2.56.(<u> 5 Storeys</u>	
				No. of Storeys	Maximum Area, r		Facing 3 Streets	

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		1	not limited	not limited	not limited		
		2	<u>7 200</u>	not limited	not limited		
		<u>3</u>	4 800	<u>6 000</u>	7 200		
		=	4 000	0.000	7 200		
		<u>4</u>	<u>3 600</u>	<u>4 500</u>	<u>5 400</u>		
		<u>5</u>	<u>2 880</u>	<u>3 600</u>	<u>4 320</u>		
			2.400	2000	2 600		
		<u>6</u>	2 400	3000	3 600		
	2) The	building re	eferred to in Sentence	(1) shall be of none	 combustible constru	⊥ ıction,	
	and					.	
			olies shall be fire separ	ations with a fire-r	<i>esistance rating</i> not	: less	
	<u>than</u>						
			shall have a <i>fire-resisto</i>			at that in	
			<u>lies shall have a fire-res</u> more than 1 storey in b				
			walls, columns and are				
			ired for the supported		<u> </u>		
3.2.3.1. Limiting Distance and Area of Unprotected Openings			Distance and Area of				Article harmonized with NBC
5) Except for <i>buildings</i> that are <i>sprinklered</i> , where the <i>limiting distance</i> is 2 r			dings that are sprinkle				
individual <i>unprotected openings</i> in an <i>exposing building face</i> shall be no greater to the area stated in Table 2.2.2.1. A contract of the co			tected openings in an e		ace shall be no great	ter than	
a) the area stated in Table 3.2.3.1.A., orb) where the <i>limiting distance</i> is equal to or greater than 1.2 m, the area compared to the state of the state of	· ·		ted in Table 3.2.3.1.A., miting distance is equa		n 1 2 m tho area ca	lculated	
by	by	iere trie iii	initing distance is equa	ii to oi greater tiia	ii 1.2 iii, tile area ca	iculateu	
~1							
Area = $0.24 (2 \times LD - 1.2)^2$			Area = 0.	24 (2 x LD – 1.2) ²			
where	where						
Area = area of the <i>unprotected opening</i> , and		Area = area of the <i>unprotected opening</i> , and					
LD = limiting distance.	LD = <i>lin</i>	LD = limiting distance.					
Table 3.2.3.1.A.			Tahl	e 3.2.3.1.A.			
Maximum Concentrated Area of Unprotected Openings		M	aximum Concentrated		cted Openings		
Forming Part of Sentence 3.2.3.1.(5)		Forming Part of Sentence 3.2.3.1.(5)					
Limiting Distance, m Maximum Area of Individual		Limit	ing Distance, m		ea of Individual		
Unprotected Openings, m ²				Unprotected	Openings, m ²		
Less than 1.2 0			Less than 1.2		θ		
1.2 0.35			1.2		0.35		
1.5 0.78			1.5		0.78		
2.0 1.88			2.0]	1.88		

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7) For the purpose of Sentence (6), a) "single room or space" shall mean i) two or more adjacent spaces having a full-height separating wall extending less than 1.5 m from the interior face of the exterior wall, or ii) two or more stacked spaces that are on the same storey, and b) two adjacent rooms or spaces are permitted to be considered as separate spaces where there is a full-height wall extending not less than 1.5 m from the interior face of the exterior wall, finished in accordance with Subsections 9.29.4. or 9.29.5.	7) For the purpose of Sentence (6), a) "single room or space" shall mean a) i) two or more adjacent spaces having a full-height separating wall extending less than 1.5 m from the interior face of the exterior wall, or b) ii) two or more stacked spaces that are on the same storey, and. b) two adjacent rooms or spaces are permitted to be considered as separate spaces where there is a full-height wall extending not less than 1.5 m from the interior face of the exterior wall, finished in accordance with Subsections 9.29.4. or 9.29.5.	
Table 3.2.3.1.B. Unprotected Opening Limits for a Building or Fire Compartment that is not Sprinklered Throughout Forming Part of Article 3.2.3.1	Table 3.2.3.1B. Unprotected Opening Limits for a Building or Fire Compartment that is not Sprinklered Throughout Forming Part of Article 3.2.3.1	
Exposing Building Face Area of Unprotected Opening for Groups A, D, and F, Division 3 Occupancies, % Max. Ratio Limiting Distance, m Notes to Table 3.2.3.1.B: (1) Apply whichever ratio is greater. L = Length of exposing building face H = Height of exposing building face	Exposing Building Face Area of Unprotected Opening for Groups A, C,¹ D, and F, Division 3 Occupancies, % Max. Ratio Limiting Distance, m Notes to Table 3.2.3.1B: (1) The inclusion of Group C occupancy in this Table applies to Part 9 residential buildings and not to Part 3 buildings, which are all sprinklered. (2) Apply whichever ratio is greater. L = Length of exposing building face H = Height of exposing building face	
 3.2.3.6. Combustible Projections 2) Where the exposing building face has a limiting distance of not more than 0.45 m, projecting roof soffits shall not be constructed above the exposing building face. (See Appendix A.) 3) Where the exposing building face has a limiting distance of more than 0.45 m, the face of roof soffits above the exposing building face shall not project to less than 0.45 m from the property line. (See A-3.2.3.6.(2) in Appendix A.) 	3.2.3.6. Combustible Projections 2) Except as provided in Sentence (4), where the exposing building face has a limiting distance of not more than 0.45 m, projecting roof soffits shall not be constructed above the exposing building face. (See Note A-3.2.3.6.(2).) 3) Except as provided in Sentence (4), where the exposing building face has a limiting distance of more than 0.45 m, the face of roof soffits above the exposing building face shall not project to less than 0.45 m from the property line. (See Note A-3.2.3.6.(2).) 4) The face of a roof soffit is permitted to project to the property line, where it faces a street, lane or public thoroughfare. (See Note A-9.10.14.5.(11) and 9.10.15.5.(10).)	
4) Where roof soffits project to less than 1.2 m from the property line, the centre line of a lane or public thoroughfare, or from an imaginary line between two <i>buildings</i> or <i>fire compartments</i> on the same property, they shall	45) Where roof soffits project to less than 1.2 m from the property line, the centre line of a lane or public thoroughfare, or from an imaginary line between two <i>buildings</i> or <i>fire compartments</i> on the same property, they shall	

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a) have no openings, and	a) have no openings, and	Comments
b) be protected by	b) be protected by	
i) not less than 0.38 mm thick sheet steel,	i) not less than 0.38 mm thick sheet steel,	
ii) unvented aluminum conforming to CAN/CGSB-93.2-M, "Prefinished	ii) unvented aluminum conforming to CAN/CGSB-93.2-M, "Prefinished	
Aluminum Siding, Soffits, and Fascia, for Residential Use,"	Aluminum Siding, Soffits, and Fascia, for Residential Use,"	
iii) not less than 12.7 mm thick gypsum soffit board or gypsum ceiling board	iii) not less than 12.7 mm thick gypsum soffit board or gypsum ceiling board	
installed according to CSA A82.31-M, "Gypsum Board Application,"	installed according to CSA A82.31-M, "Gypsum Board Application,"	
iv) not less than 11 mm thick plywood,	iv) not less than 11 mm thick plywood,	
v) not less than 12.5 mm thick OSB or waferboard, or	v) not less than 12.5 mm thick OSB or waferboard, or	
vi) not less than 11 mm thick lumber.	vi) not less than 11 mm thick lumber.	
5) For buildings of combustible construction, materials installed to provide the	56) For <i>buildings</i> of <i>combustible construction</i> , materials installed to provide the	
required protection of soffits may be covered with a <i>combustible</i> or <i>noncombustible</i>	required protection of soffits may be covered with a <i>combustible</i> or <i>noncombustible</i>	
finish material.	finish material.	
3.2.3.7. Construction of Exposing Building Face	3.2.3.7. Construction of Exposing Building Face	
3) Except as provided in Sentence (4) and Article 3.1.4.8., cladding for buildings	3) Except as provided in Sentence (4) and Article 3.1.4.8., the requirement in	
or fire compartments where the maximum permitted area of unprotected openings is	Table 3.2.3.7. for <i>noncombustible</i> cladding for <i>buildings</i> or <i>fire compartments</i> where	
more than 10% of the <i>exposing building face</i> need not be <i>noncombustible</i> where the	the maximum permitted area of <i>unprotected openings</i> is more than 10% of the	
wall assembly complies with the requirements of Sentences 3.1.5.5.(1), (3) and (4)	exposing building face need not be noncombustible where the wall assembly	
when tested in conformance with CAN/ULC-S134, "Fire Test of Exterior Wall	complies with the requirements of Sentences 3.1.5.5.(1), (3) and (4) when tested in	
Assemblies."	conformance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies." is	
	permitted to be waived for exterior wall assemblies that comply with Article 3.1.5.5.	
4) Except as provided in Article 3.1.4.8., cladding for buildings or fire compartments	4) Except as provided in Article 3.1.4.8., the requirement in Table 3.2.3.7. for	
where the maximum permitted area of <i>unprotected openings</i> is more than 25% but	<u>noncombustible</u> cladding for <i>buildings</i> or <i>fire compartments</i> where the maximum	
not more than 50% of the <i>exposing building face</i> need not be <i>noncombustible</i> where	permitted area of <i>unprotected openings</i> is more than 25% but not more than 50% of	
	the exposing building face need not be noncombustible is permitted to be waived	
	where	
a) the <i>limiting distance</i> is greater than 5 m,	a) the <i>limiting distance</i> is greater than 5 m,	
b) the building or fire compartment and all combustible attic and roof spaces are	b) the building or fire compartment and all combustible attic and roof spaces are	
sprinklered throughout,	sprinklered throughout,	
c) the cladding	c) the cladding	
i) conforms to Subsections 9.27.6. , 9.27.7. , 9.27.8. , 9.27.9. or 9.27.10.,	i) conforms to Subsections 9.27.6. , 9.27.7. , 9.27.8. , 9.27.9. or 9.27.10.,	
ii) is installed without furring members, or on furring not more than 25 mm	ii) is installed without furring members, or on furring not more than 25 mm	
thick, over gypsum sheathing at least 12.7 mm thick or over masonry, and	thick, over gypsum sheathing at least 12.7 mm thick or over masonry, and	
iii) after conditioning in conformance with ASTM D 2898, "Accelerated	iii) after conditioning in conformance with ASTM D 2898, "Accelerated	
Weathering of Fire-Retardant-Treated Wood for Fire Testing," has a flame-	Weathering of Fire-Retardant-Treated Wood for Fire Testing," has a flame-	
spread rating not greater than 25 on the exterior face when tested in	spread rating not greater than 25 on the exterior face when tested in	
accordance with Sentence 3.1.12.1.(1), or	accordance with Sentence 3.1.12.1.(1), or	
d) the cladding	d) the cladding	
i) conforms to Subsection 9.27.12.,	i) conforms to Subsection 9.27.12.,	
ii) is installed with or without furring members over gypsum sheathing at least	ii) is installed with or without furring members over gypsum sheathing at least	
12.7 mm thick or over masonry,	12.7 mm thick or over masonry,	

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iii) has a <i>flame-spread rating</i> not greater than 25 when tested in accordance	iii) has a <i>flame-spread rating</i> not greater than 25 when tested in accordance	Comments
with Sentence 3.1.12.1.(2), and	with Sentence 3.1.12.1.(2), and	
iv) does not exceed 2 mm in thickness exclusive of fasteners, joints and local	iv) does not exceed 2 mm in thickness exclusive of fasteners, joints and local	
reinforcements.	reinforcements-, or	
Telinoreements.	e) the exterior wall assembly complies with Article 3.1.5.5.	
5) Where Table 3.2.3.7. permits an area of <i>unprotected openings</i> of more than 10%	5) Where Table 3.2.3.7. permits an area of <i>unprotected openings</i> of more than 10%	
but not more than 25% of the <i>exposing building face</i> , the requirements for	but not more than 25% of the <i>exposing building face</i> , the requirements for	
noncombustible cladding shall be waived for wall assemblies that comply with Article	noncombustible cladding shall be waived for wall assemblies that comply with Article	
3.1.5.5. (See Appendix A.)	3.1.5.5. (See Appendix A.)	
6) The construction requirements for the <i>exposing building face</i> stated in Sentences	65) The construction requirements for the <i>exposing building face</i> stated in Sentences	
(1) and (2) shall be satisfied before increasing the <i>unprotected opening</i> area as	(1) and (2) shall be satisfied before increasing the <i>unprotected opening</i> area as	
permitted by Sentence 3.2.3.12.(1).	permitted by Sentence 3.2.3.12.(1).	
3.2.3.8. Protection of Exterior Building Face	3.2.3.8. Protection of Exterior Building Face	
1) Except as permitted by Sentence (3) and in addition to the requirements of	1) Except as permitted by Sentence (3) and in addition to the requirements of	
Sentences 3.2.3.7.(1) and (2) and where the maximum permitted area of <i>unprotected</i>	Sentences 3.2.3.7.(1) and (2) and where the maximum permitted area of <i>unprotected</i>	
openings is greater than 10% of the exposing building face, foamed plastic insulation	openings is greater than 10% of the exposing building face, foamed plastic foamed	
used in an exterior wall of a building more than 3 storeys in building height shall be	plastic insulation used in an exterior wall of a building more than 3 storeys in building	
protected on its exterior surface by	height shall be protected on its exterior surface by	
3.2.4.1. Determination of Requirement for a Fire Alarm System	3.2.4.1. Determination of Requirement for a Fire Alarm System	Care defined (italicized) in error
1) Except as permitted in Sentences (2), (3) and (5) to (7), and Sentence 3.2.4.2.(4),	1) Except as permitted in Sentences (2), (3) and (5) to (7), and Sentence 3.2.4.2.(4), a	
a fire alarm system shall be installed in buildings in which an automatic sprinkler	fire alarm system shall be installed in <i>buildings</i> in which an automatic sprinkler	
system is installed. (See Appendix A.)	system is installed. (See Appendix A.)	
2) Buildings in which a sprinkler system is installed in accordance with NFPA	2) Buildings in which a sprinkler system is installed in accordance with NFPA	
13D, "Installation of Sprinkler Systems in One- and Two-Family Dwellings and	13D, "Installation of Sprinkler Systems in One- and Two-Family Dwellings and	
Manufactured Homes," need not comply with Sentence (1).	Manufactured Homes," need not comply with Sentence (1).	
3) Buildings that contain fewer than 9 sprinklers conforming to Sentence 3.2.5.12.(4)	3) Buildings that contain fewer than 9 sprinklers conforming to Sentence	
need not comply with Sentence (1).	3.2.5.12.(4) need not comply with Sentence (1).	
4) Except as permitted by Sentences (5) to (7) and Sentence 3.2.4.2.(4), a fire alarm	4) Except as permitted by Sentences Sentence (5) to (7) and Sentence 3.2.4.2.(4), a	
system shall be installed in a <i>building</i> that is not <i>sprinklered</i> throughout and that	fire alarm system shall be installed in a <i>building</i> that is not <i>sprinklered</i> throughout and	
contains	that contains	
a) a contained use area,	a) a contained use area,	
b) an impeded egress zone,	b) an impeded egress zone,	
c) more than 3 storeys, including the storeys below the first storey,	c) more than 3 storeys, including the storeys below the first storey,	
d) a total <i>occupant load</i> more than 300, other than in open air seating areas,	d) a total <i>occupant load</i> more than 300, other than in open air seating areas,	
e) an occupant load more than 150 above or below the first storey, other than in	e) an occupant load more than 150 above or below the first storey, other than in	
open air seating areas,	open air seating areas,	
f) a school, college, or child care facility, including a daycare facility, with an	f) a school, college, or child care <u>care</u> facility, including a daycare facility, with an	
occupant load more than 40,	occupant load more than 40,	
g) a licensed beverage establishment or a <i>restaurant</i> , with an <i>occupant load</i> more	g) a licensed beverage establishment or a <u>licensed</u> restaurant, with an occupant	
than 150,	load more than 150,	
h) a medium-hazard industrial occupancy or a low-hazard industrial occupancy with	h) a medium hazard industrial occupancy or a low-hazard industrial occupancy with	
an <i>occupant load</i> more than 75 above or below the <i>first storey</i> ,	an occupant load more than 75 above or below the first storey,	

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 i) a residential occupancy with sleeping accommodation for more than 10 persons, j) a high-hazard industrial occupancy with an occupant load more than 25, or k) an occupant load more than 300 below an open air seating area. 5) Where each dwelling unit in an apartment building has direct access to an exterior exit facility leading to ground level, a fire alarm system is not required if a) not more than 4 dwelling units share a common means of egress, or b) the building is not more than 3 storeys in building height. 6) A fire alarm system is not required in a hotel or motel 3 storeys or less in building height provided each suite has direct access to an exterior exit facility leading to ground level. 7) A fire alarm system is not required in a storage garage conforming to Article 3.2.2.90. provided there are no other occupancies in the building. 	 i) a residential-medium-hazard industrial occupancy with sleeping accommodation for an occupant load more than 10 persons 75 above or below the first storey, j) a high-hazard industrial occupancy with an occupant load more than 25, or k) an occupant load more than 300 below an open air seating area. 5) Where each dwelling unit in an apartment building has direct access to an exterior exit facility leading to ground level, a fire alarm system is not required if a) not more than 4 dwelling units share a common means of egress, or b) the building is not more than 3 storeys in building height. 6) A fire alarm system is not required in a hotel or motel 3 storeys or less in building height provided each suite has direct access to an exterior exit facility leading to ground level. 5) 7) A fire alarm system is not required in a storage garage conforming to Article 3.2.2.90. that is contained in a building that is not sprinklered provided there are no other occupancies in the building. 	
3.2.4.6. Commissioning of Life Safety and Fire Protection Systems 1) Where life safety and fire protection systems are installed to comply with the provisions of this Code or the Alberta Fire Code 2014, the commissioning of these integrated systems must be performed as a whole to ensure the proper operation and inter-relationship between the systems. (See Appendix A.)	3.2.4.6. Commissioning of Life Safety and Fire Protection Systems 1) Where life safety and fire protection systems are installed to comply with the provisions of this Code or the Alberta Fire Code 2014, the commissioning of these integrated systems must be performed as a whole to ensure the proper operation and inter-relationship between the systems. (See Appendix A.)	Moved to Subsection 3.2.9.
3.2.4.7. Silencing of Alarm Signals	3.2.4.6. 3.2.4.7. Silencing of Alarm Signals	
3.2.4.8. Signals to Fire Department	3.2.4.7. 3.2.4.8. Signals to Fire Department	
3.2.4.9. Annunciator and Zone Indication	3.2.4.8. 3.2.4.9. Annunciator and Zone Indication	
3.2.4.10. Electrical Supervision	3.2.4.9. 3.2.4.10. Electrical Supervision	
3.2.4.11. Fire Detectors	3.2.4.10. 3.2.4.11. Fire Detectors	
3.2.4.12. Smoke Detectors	3.2.4.11. 3.2.4.12. Smoke Detectors	
3.2.4.13. Prevention of Smoke Circulation	3.2.4.12. 3.2.4.13. Prevention of Smoke Circulation	
3.2.4.14. Vacuum Cleaning System Shutdown	3.2.4.13. 3.2.4.14. Vacuum Cleaning System Shutdown	
3.2.4.15. Elevator Emergency Return	3.2.4.14. 3.2.4.15. Elevator Emergency Return	
3.2.4.16. System Monitoring	3.2.4.15. 3.2.4.16. System Monitoring	
3.2.4.17. Manual Stations	3.2.4.16. 3.2.4.17. Manual Stations	

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3.2.4.18. Alert and Alarm Signals	3.2.4.17. 3.2.4.18. Alert and Alarm Signals	
3.2.4.19. Audibility of Alarm Systems	3.2.4.18. 3.2.4.19. Audibility of Alarm Systems	
5.2.4.19. Addibility of Alarm Systems	3.2.4.16. S.2.4.15. Addibility of Alarm Systems	
3.2.4.20. Visual Signals	3.2.4.19. 3.2.4.20. Visual Signals	
(See Appendix A.)	(See Appendix A.)	
1) Visual signal devices shall be installed in addition to audible signal devices in	1) Visual signal devices Where a fire alarm system is installed, visual signals	
buildings required to have a fire alarm system and shall conform to CAN/ULC-S526,	shall be installed provided in addition to audible signal devices in buildings	
"Visible Signal Devices for Fire Alarm Systems Including Accessories."	required to have a fire alarm system and shall conform to CAN/ULC-S526, "Visible	
2) Visual signal devices required by Sentence (1) shall be installed so that the signal	Signal Devices for Fire Alarm Systems Including Accessories." alarm signals in	
from at least one device is visible within a <i>suite</i> in which they are installed.	a) buildings or portions thereof intended for use primarily by persons with a	
, and the second	hearing impairment,	
	b) assembly occupancies in which music and other sounds associated with	
	performances could exceed 100 dBA,	
	c) any floor area in which the ambient noise level is more than 87 dBA,	
	d) any floor area in which the occupants	
	i) use ear protection devices,	
	ii) are located in an audiometric booth, or	
	iii) are located in sound-insulating enclosures,	
	e) public corridors,	
	f) corridors used by the public and in a floor area or part thereof where the public	
	may congregate serving a Group A major occupancy,	
	g) corridors used by the public or serving patients' or residents' sleeping rooms in a	
	Group B major occupancy,	
	h) washrooms, except	
	i) those located within suites of residential occupancy,	
	ii) those located within suites of care occupancy,	
	iii) those located within patients' sleeping rooms, and	
	iv) single toilet rooms,	
	i) universal washrooms provided in accordance with Article 3.8.3.12., and	
	j) suites of residential occupancy, such that at least one device is located within the	
	principal living area.	
	2) Visual signal devices required by Sentence (1) shall be installed so that the signal	
	from at least one device is visible within a suite throughout the floor area or portion	
	thereof in which they are installed. (See Note A-3.2.4.19.(2).)	
3.2.4.21. Smoke Alarms	3.2.4.20. 3.2.4.21. Smoke Alarms	
1) Except as required by Sentence (4) and permitted by Sentence (7), smoke alarms	1) Except as provided in Article 3.2.4.21., smoke alarms shall be installed in	
conforming to CAN/ULC-S531, "Smoke-Alarms," shall be installed in each dwelling	accordance with this Article.	

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unit and, except for care, treatment or detention occupancies required to have a fire	2) Except as required by Sentence (4) and permitted by Sentence (7), smoke alarms	
alarm system, in each sleeping room not within a dwelling unit or suite of care	(5) and permitted by Sentence (8), smoke alarms conforming to CAN/ULC-S531,	
occupancy.	"Smoke-Alarms," shall be installed in each dwelling unit and, except for care,	
	treatment or detention occupancies required to have a fire alarm system, in each	
	sleeping room not within a dwelling unit or suite of care occupancy.	
	32) At least one smoke alarm shall be installed on each storey of a dwelling unit or	
2) At least one smoke alarm shall be installed on each storey of a dwelling unit or	suite of care occupancy.	
suite of care occupancy.	43) On any storey of a dwelling unit containing sleeping rooms, a smoke alarm shall	
3) On any <i>storey</i> of a <i>dwelling unit</i> containing sleeping rooms, a <i>smoke alarm</i> shall be	be	
installed	installed	
a) in each sleeping room, and	a) in each sleeping room, and	
b) in a location between the sleeping rooms and the remainder of the <i>storey</i> , and if	b) in a location between the sleeping rooms and the remainder of the <i>storey</i> , and if	
the sleeping rooms are served by a hallway, the <i>smoke alarm</i> shall be located in the	the sleeping rooms are served by a hallway, the <i>smoke alarm</i> shall be located in the	
hallway.	hallway.	
4) Where a care occupancy has individual suites for residents, a smoke alarm shall be	54) Where a care occupancy has individual suites for residents, a smoke alarm shall	
installed	be installed	
a) in each sleeping room, and b) in a location between the sleeping rooms and the	a) in each sleeping room, and b) in a location between the sleeping rooms and the	
remainder of the <i>suite</i> , and if the sleeping rooms are served by a corridor within the <i>suite</i> , the <i>smoke alarm</i> shall be located in the corridor.	remainder of the <i>suite</i> , and if the sleeping rooms are served by a corridor within the <i>suite</i> , the <i>smoke alarm</i> shall be located in the corridor.	
5) A <i>smoke alarm</i> shall be installed on or near the ceiling.	6 5) A smoke alarm shall be installed on or near the ceiling.	
6) Except as permitted in Sentence (7), <i>smoke alarms</i> referred in Sentence (1) shall	7.6) Except as permitted in Sentence (87), smoke alarms referred in Sentence (24)	
a) be installed with permanent connections to an electrical circuit (see Appendix A),	shall	
b) have no disconnect switch between the overcurrent device and the <i>smoke</i>	a) be installed with permanent connections to an electrical circuit (see Appendix A	
alarm, and	Note A-3.2.4.20.(7)(a)),	
c) in case the regular power supply to the <i>smoke alarm</i> is interrupted, be provided	b) have no disconnect switch between the overcurrent device and the <i>smoke</i>	
with a battery as an alternative power source that can continue to provide power	alarm, and	
to the <i>smoke alarm</i> for a period of no less than 7 days in the normal condition,	c) in case the regular power supply to the <i>smoke alarm</i> is interrupted, be provided	
followed by 4 minutes of alarm.	with a battery as an alternative power source that can continue to provide power	
	to the smoke alarm for a period of no less than 7 days in the normal condition,	
	followed by 4 minutes of alarm.	
7) Suites of residential occupancy are permitted to be equipped with smoke detectors	8-7) Suites of residential occupancy are permitted to be equipped with smoke	
in lieu of smoke alarms, provided the smoke detectors	detectors in lieu of smoke alarms, provided the smoke detectors	
a) are capable of independently sounding audible signals within the individual	a) are capable of independently sounding audible signals within the individual	
suites,	suites,	
b) except as permitted in Sentence (8), are installed in conformance with CAN/ULC-	b) except as permitted in Sentence (98), are installed in conformance with	
S524, "Installation of Fire Alarm Systems," and	CAN/ULC-S524, "Installation of Fire Alarm Systems," and	
c) form part of the fire alarm system.	c) form part of the fire alarm system.	
(See Appendix A.)	(See Appendix A Note A-3.2.4.20.(8).)	
O) Concluded to the property of the least of the last	9.8) Smoke detectors permitted to be installed in lieu of smoke alarms as stated in	
8) Smoke detectors permitted to be installed in lieu of smoke alarms as stated in	Sentence (87) are permitted to sound localized alarms within individual <i>suites</i> , and	
Sentence (7) are permitted to sound localized alarms within individual <i>suites</i> , and need not sound an alarm throughout the rest of the <i>building</i> .	need not sound an alarm throughout the rest of the building.	
need not sound an diarm timoughout the rest of the building.		

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9) If more than one <i>smoke alarm</i> is required in a <i>dwelling unit</i> , the <i>smoke alarms</i> shall	10 9) If more than one <i>smoke alarm</i> is required in a <i>dwelling unit</i> , the <i>smoke alarms</i>	Comments
be wired so that the actuation of one <i>smoke alarm</i> will cause all <i>smoke alarms</i> within	shall be wired so that the actuation of one <i>smoke alarm</i> will cause all <i>smoke alarms</i>	
the dwelling unit to sound.	within the <i>dwelling unit</i> to sound.	
10) A <i>smoke alarm</i> required by Sentence (1) shall be installed in conformance with	11 10) A smoke alarm required by Sentence (21) shall be installed in conformance	
CAN/ULC-S553, "Installation of Smoke-Alarms."	with CAN/ULC-S553, "Installation of Smoke-Alarms."	
11) Except as permitted in Sentence (12), a manually operated silencing device	12 11) Except as permitted in Sentence (1312), a manually operated silencing device	
shall be incorporated within the circuitry of a <i>smoke alarm</i> installed in a <i>dwelling unit</i>	shall be incorporated within the circuitry of a <i>smoke alarm</i> installed in a <i>dwelling unit</i>	
so that it will silence the signal emitted by the <i>smoke alarm</i> for a period of not more	so that it will silence the signal emitted by the <i>smoke alarm</i> for a period of not more	
than 10 min, after which the <i>smoke alarm</i> will reset and again sound the alarm if the	than 10 min, after which the <i>smoke alarm</i> will reset and again sound the alarm if the	
level of smoke in the vicinity is sufficient to reactuate the <i>smoke alarm</i> .	level of smoke in the vicinity is sufficient to reactuate the <i>smoke alarm</i> .	
12) Suites of residential occupancy equipped with smoke detectors installed to	13 12) Suites of residential occupancy equipped with smoke detectors installed to	
CAN/ULC-S524, "Installation of Fire Alarm Systems," as part of the fire alarm system	CAN/ULC-S524, "Installation of Fire Alarm Systems," as part of the fire alarm system	
in lieu of <i>smoke alarms</i> as permitted by Sentence (7), need not incorporate the	in lieu of <i>smoke alarms</i> as permitted by Sentence (87), need not incorporate the	
manually operated device required in Sentence (11). (See A-3.2.4.21.(7) in Appendix	manually operated device required in Sentence (1211). (See A-3.2.4.21.(7) in	
A.)	Appendix A Note A-3.2.4.20.(8).)	
13) The sound patterns of <i>smoke alarms</i> shall	14 13) The sound patterns of smoke alarms shall	
a) meet the temporal patterns of alarm signals (see A-3.2.4.19.(2) in Appendix A),	a) meet the temporal patterns of alarm signals (see A-3.2.4.19. Note A-3.2.4.18.(2) in	
or	Appendix A), or	
	b) be a combination temporal pattern and voice relay	
b) be a combination temporal pattern and voice relay		
	3.2.4.21. Residential Fire Warning Systems	
	1) Except where a fire alarm system is installed or required in a building, smoke	
	<u>detectors</u> forming part of a residential fire warning system installed in conformance	
	with CAN/ULC-S540, "Residential Fire and Life Safety Warning Systems: Installation,	
	Inspection, Testing and Maintenance," are permitted to be installed in lieu of all	
	smoke alarms required by Article 3.2.4.20., provided the system	
	a) is capable of sounding audible signals in accordance with Articles 9.10.19.2. and	
	9.10.19.5.,	
	b) is powered in accordance with Article 9.10.19.4., and	
	c) is provided with a silencing device in accordance with Article 9.10.19.6.	
3.2.4.22. Voice Communication Systems	3.2.4.22. Voice Communication Systems for High Buildings	
1) A voice communication system required by Subsection 3.2.6. and Sentences (7)	1) A voice communication system required by Subsection 3.2.6. and Sentences (7) to	
to (10) shall consist of	(10) shall	
a) a two-way means of communication with the central alarm and control facility	a) consist of a) a two-way means of communication with the central alarm and	
and to the mechanical control centre from each <i>floor area</i> , and	control facility and to the mechanical control centre from each <i>floor area</i> , and	
b) loudspeakers operated from the central alarm and control facility that are	b) loudspeakers operated be capable of broadcasting prerecorded, synthesized, or	
designed and located so that transmitted messages are audible and intelligible as	live messages from the central alarm and control facility that are designed and	
stated in Sentence (2) in all parts of the <i>building</i> , except that this requirement does	located so that transmitted messages are audible and intelligible as stated in	
not apply to elevator cars (see Appendix A).	Sentence (2) in all parts of the <i>building</i> , except that this requirement does not apply	
2) The voice communication system described in Clause (1)(b) shall be capable	to elevator cars (see Appendix A). Note A-3.2.4.22.(1)(b)).	
of broadcasting pre-recorded, synthesized, or live messages with voice intelligibility	2) The voice communication system described in Clause (1)(b) shall be capable of	
meeting or exceeding the equivalent of a common intelligibility scale score of 0.70.	broadcasting pre-recorded, synthesized, or live messages with voice intelligibility	
inceding of exceeding the equivalent of a common intelligibility scale score of 0.70.	bi oddedating pre recorded, synthesized, or live messages with voice intelligibility	

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(See Appendix A.) 3) The voice communication system referred to in Sentence (1) shall include a means to silence the <i>alarm signal</i> in a single stage fire alarm system while voice instructions are being transmitted, but only after the <i>alarm signal</i> has initially sounded for not less than 30 s. 4) The voice communication system referred to in Sentence (1) shall include a means to silence the <i>alart signal</i> and the <i>alarm signal</i> in a 2-stage fire alarm system while voice instructions are being transmitted, but only after the <i>alart signal</i> has initially sounded for not less than a) 10 s in hospitals that have supervisory personnel on duty for twenty-four hours each day, or b) 30 s for all other <i>occupancies</i> . 5) The voice communication system referred to in Clause (1)(b) shall be designed so that the <i>alarm signal</i> in a 2-stage fire alarm system can be selectively transmitted to any zone or zones while maintaining an <i>alart signal</i> or selectively transmitting voice instructions to any other zone or zones in the <i>building</i> . 6) The 2-way communication system referred to in Clause (1)(a) shall be installed so that emergency telephones are located in each <i>floor area</i> near <i>exit</i> stair shafts.	meeting or exceeding the equivalent of a common intelligibility scale score of 0.70. (See Appendix A) 2) 3) ***EXISTING SENTENCES RENUMBERED*** 5) 6) The 2-way communication system referred to in Clause (1)(a) shall be installed so that emergency telephones are located in each floor area near exit stair shafts. 6) Visual signal devices required by Sentence 3.2.4.19.(1) shall continue to emit a visible signal while voice instructions are being transmitted. 7) Where the facility is not equipped with staff trained to provide instructions over the loudspeakers, a pre-recorded message shall be provided.	
 3.2.4.22. Voice Communication Systems 7) Except for Group B, Division 1 and Group F, Division 1 major occupancies, where a fire alarm system is required under Subsection 3.2.4., a voice communication system shall be installed in buildings where a 2-stage fire alarm systemis installed and whose occupant load exceeds 1 000. 8) A voice communication system required by Sentence (7) shall consist of loudspeakers that are a) operated from the central alarm and control facility or, in the absence of such a facility, from a designated area, and b) except in elevator cars, designed and located so that transmitted messages are audible and intelligible in all parts of the building. (See A-3.2.4.22.(1)(b) in Appendix A.) 9) Where the facility is not equipped with staff trained to provide instructions over the loudspeakers, a pre-recorded message shall be provided. 10) The voice communication system required by Sentence (7) shall meet the silencing and transmission requirements of Sentences (3) to (5). 	3.2.4.23. One-Way Voice Communication Systems 1) 7) Except for Group B, Division 1 and Group F, Division 1 major occupancies, where a fire alarm system is required under Subsection 3.2.4., a one-way voice communication system shall be installed in buildings where a 2-stage fire alarm system is installed and whose occupant load exceeds 1 000. 2) 8) A The one-way voice communication system required by Sentence (71) shall consist of loudspeakers that are a) operated from the central alarm and control facility or, in the absence of such a facility, from a designated area, and b) except in elevator cars, designed and located so that transmitted messages are audible and intelligible in all parts of the building. (See Note A-3.2.4.22.(1)(b) in Appendix A.) 3) 9) Where the facility is not equipped with staff trained to provide instructions over the loudspeakers, a pre-recorded message shall be provided. 4) 10) The one-way voice communication system required by Sentence (71) shall meet the silencing and transmission requirements of Sentences (3) (3.2.4.22.(2) to (54) and (6).	

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 3.2.5.7. Water Supply 2) The private water supply referred to in Clause (1)(b) shall be a) capable of being delivered at a rate of not less than i) 2 700 L/min for a building required to have a quantity less than 75 000 L, and ii) 3 800 L/min for a building requiring a quantity of 75 000 L and greater, and 	 3.2.5.7. Water Supply 2) The private water supply referred to in Clause (1)(b) shall be a) capable of being delivered at a rate of not less than i) 2 700 L/min for a building required to have a quantity less than 75 000 L, and ii) 3 800 L/min for a building requiring required to have a quantity of 75 000 L and or greater, and 	
 4) Capacity requirements under Sentence (1) do not apply to a building that is sprinklered in conformance with a) NFPA 13, "Installation of Sprinkler Systems," or b) NFPA 13R, "Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height." 	 4) Capacity requirements under Sentence (1) do not apply to a building that is sprinklered in conformance with a) NFPA 13, "Installation of Sprinkler Systems," or b) NFPA 13R, "Installation of Sprinkler Systems in Low-Rise Residential Occupancies up to and Including Four Stories in Height."," or c) NFPA 13D, "Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes." 	
3.2.5.16. Portable Fire Extinguishers 3) Except as permitted by Sentence (2), in assembly occupancies, business and personal services occupancies, care, treatment or detention occupancies, mercantile occupancies and residential occupancies, each portable fire extinguisher shall be located in a cabinet that a) is not lockable, b) is not obscured or obstructed from view, and c) has a door that, if the door is not glazed, i) is painted red, and ii) is clearly marked with the words "FIRE EXTINGUISHER" in raised white lettering on the front with letters not less than 100 mm high and with 12 mm strokes.	3.2.5.16. Portable Fire Extinguishers 3) Except as permitted by Sentence (2), in assembly occupancies, business and personal services occupancies, care, treatment or detention occupancies, mercantile occupancies and residential occupancies, each portable fire extinguisher shall be located in a cabinet that a) is not lockable, b) is not obscured or obstructed from view, and c) has a door that, if the door is not glazed, i) is painted red, and ii) is clearly marked with the words "FIRE EXTINGUISHER" in raised white lettering on the front with letters not less than 100 mm high and with 12 mm strokes.	
3.2.6.2. Limits to Smoke Movement	3.2.6.2. Limits to Smoke Movement 6) Except as provided in Article 3.2.4.12. or where there is a conflict with other smoke control measures in the building, air-handling systems used to provide makeup air to public corridors serving suites in a Group C major occupancy shall not shut down automatically upon activation of the fire alarm so as to maintain corridor pressurization.	
 3.2.7.3. Emergency Lighting 1) Unless it can be shown to be unnecessary, emergency lighting shall be provided to an average level of illumination not less than 10 lx at floor or tread level in a) exits, b) principal routes providing access to exit in open floor areas and in service rooms, c) corridors used by the public, d) corridors serving sleeping rooms in a treatment occupancy, 	3.2.7.3. Emergency Lighting 1) Unless it can be shown to be unnecessary, emergency Emergency lighting shall be provided to an average level of illumination not less than 10 lx at floor or tread level in a) exits, b) principal routes providing access to exit in open floor areas and in service rooms, c) corridors used by the public, d) corridors serving sleeping rooms in a treatment occupancy,	

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e) corridors serving sleeping rooms in a care occupancy, except corridors serving sleeping rooms within individual suites of care occupancy, f) corridors serving classrooms, g) underground walkways, h) public corridors, i) floor areas or parts thereof where the public may congregate i) in Group A, Division 1 occupancies, or ii) in Group A, Division 2 and 3 occupancies having an occupant load of 60 or more, j) floor areas or parts thereof of daycare centres where persons are cared for, and k) food preparation areas in commercial kitchens.	e) corridors serving sleeping rooms in a care occupancy, except corridors serving sleeping rooms within individual suites of care occupancy, f) corridors serving classrooms, g) underground walkways, h) public corridors, i) floor areas or parts thereof where the public may congregate i) in Group A, Division 1 occupancies, or ii) in Group A, Division 2 and 3 occupancies having an occupant load of 60 or more, j) floor areas or parts thereof of daycare centres where persons are cared for, and k) food preparation areas in commercial kitchens, and l) public washrooms that are equipped to serve more than one person at a time.	Comments
 4) In addition to the requirements of Sentences (1) to (3), the installation of battery-operated emergency lighting in buildings or part thereof where treatment is provided shall conform to the appropriate requirements of CSA Z32, "Electrical Safety and Essential Electrical Systems in Health Care Facilities." 5) Lighting required in Sentence (1) shall be designed to be automatically activated when the electric lighting in the affected area is interrupted. 	4) In addition to the requirements of Sentences (1) to (3), the installation ofbattery-operated emergency lighting in buildings buildings or part thereof where treatment is provided shall conform to the appropriate requirements of CSA Z32, "Electrical Safety and Essential Electrical Systems in Health Care Facilities." 5) Lighting required in Sentence (1) shall be designed to be automatically activated when the electric lighting in the affected area is interrupted.	
3.2.7.10. Protection of Electrical Conductors	3.2.7.10. Protection of Electrical Conductors 10) Distribution panels serving emergency lighting units located on other storeys shall be installed in a service room separated from the floor area by a fire separation having a fire-resistance rating of at least 1 h. 11) Conductors leading from a distribution panel to emergency lighting units located on other storeys shall be protected in accordance with Sentence (2) between the distribution panel and the floor area where the emergency lighting units are located.	
3.2.8.2. Exceptions to Special Protection 6) An interconnected floor space need not conform to the requirements of Articles 3.2.8.3. to 3.2.8.9., provided a) the interconnected floor space consists of the first storey and the storey next above or below it, but not both, b) the openings through the floor are used only for stairways, escalators or moving walks or the interconnected floor space is sprinklered throughout (see Appendix A) c) the interconnected floor space contains only Group A, Division 1, 2 or 3, Group D, Group E, or Group F, Division 2 or 3 major occupancies (see Appendix A, and d) the building area is not more than one half of the area permitted by Subsection 3.2.2.	3.2.8.2. Exceptions to Special Protection 6) An interconnected floor space need not conform to the requirements of Articles 3.2.8.3. to 3.2.8.9. 3.2.8.8., provided a) the interconnected floor space it consists of the first storey and the storey next above or below it, but not both, b) it is sprinklered throughout or, where the building area is not more than one half of the area permitted by Subsection 3.2.2., the openings through the floor are used only for stairways, escalators or moving walks or the interconnected floor space is sprinklered throughout (see Appendix A) (see Note A-3.2.8.2.(6)(b)), and c) the interconnected floor space it contains only Group A, Division 1, 2 or 3, Group D, Group E, or Group F, Division 2 or 3 major occupancies (see Appendix A) Note A-3.2.8.2.(6)(c))., and d) the building area is not more than one half of the area permitted by Subsection 3.2.2.	

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3.2.8.3. Construction Requirements 1) A building constructed in conformance with Articles 3.2.8.4. to 3.2.8.9. shall be of noncombustible construction, except that heavy timber construction is permitted if Subsection 3.2.2. permits the building to be constructed of combustible construction	3.2.8.3. Construction Requirements 1) A building constructed in conformance with Articles 3.2.8.4. to 3.2.8.9. shall be of noncombustible construction, except that heavy timber construction is permitted if Subsection 3.2.2. permits the building to be constructed of combustible construction	
3.2.8.4. Sprinklers	3.2.8.3. 3.2.8.4. Sprinklers	
3.2.8.5. Vestibules	3.2.8.4. 3.2.8.5. Vestibules	
3.2.8.6. Protected Floor Space	3.2.8.5. 3.2.8.6. Protected Floor Space	
3.2.8.7. Draft Stops	3.2.8.6. 3.2.8.7. Draft Stops	
3.2.8.8. Mechanical Exhaust System	3.2.8.7. 3.2.8.8. Mechanical Exhaust System	
3.2.8.9. Combustible Content Limits	3.2.8.8. 3.2.8.9. Combustible Content Limits	
	3.2.9. Integrated Fire Protection and Life Safety Systems 3.2.9.1. Testing 1) Where fire protection and life safety systems and systems with fire protection and life safety functions are integrated with each other, they shall be tested as a whole in accordance with CAN/ULC-S1001, "Integrated Systems Testing of Fire Protection and Life Safety Systems," to verify that they have been properly integrated. (See Note A-3.2.9.1.(1).)	
 3.3.1.7. Protection on Floor Areas with a Barrier-Free Path of Travel 4) A door acting as a <i>closure</i> in a <i>fire separation</i> referred to in Clause (1)(b) shall be weatherstripped or otherwise designed and installed to retard the passage of smoke. (See A-3.3.3.5.(6) in Appendix A.) 5) A balcony required by Clause (1)(c) shall a) have direct barrier-free access from the suite or floor area b) be not less than 1.5 m deep from the outside face of the exterior wall to the inside edge of the balcony, and c) provide not less than 1.5 m2 of balcony space for each nonambulatory occupant and 0.5 m2 for each ambulatory occupant. 6) In a barrier-free path of travel, a downward change in elevation shall be signalled by the use of a 600 mm wide tactile warning strip placed 250 mm from the edge and for the full width of a stair, escalator, moving walkway, ramp or platform, and identified using colour and brightness contrast. 	 3.3.1.7. Protection on Floor Areas with a Barrier-Free Path of Travel 4) A door acting as a closure in a fire separation referred to in Clause (1)(b) shall be weatherstripped or otherwise designed and installed to retard the passage of smoke. (See A 3.3.3.5.(6) in Appendix A.) 4) 5) A balcony required by Clause (1)(c) shall a) have direct barrier-free access from the suite or floor area b) be not less than 1.5 m deep from the outside face of the exterior wall to the inside edge of the balcony, and c) provide not less than 1.5 m2 of balcony space for each nonambulatory non-ambulatory occupant and 0.5 m2 for each ambulatory occupant. 6) In a barrier-free path of travel, a downward change in elevation shall be signalled by the use of a 600 mm wide tactile warning strip placed 250 mm from the edge and for the full width of a stair, escalator, moving walkway, ramp or platform, and identified using colour and brightness contrast. 	Sentence 6 relocated to 3.8.3.2.(5)
3.3.1.11. Door Swing	3.3.1.11. Door Swing 1) Except as permitted by Sentence (5) and Article 3.3.1.12., a door that opens into a	

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1) Except as permitted by Article 3.3.1.12., a door that opens into a corridor or other	corridor or other facility providing access to exit from a suite or room not located	
facility providing access to exit from a suite or room not located within a suite shall	within a <i>suite</i> shall swing on a vertical axis.	
swing on a vertical axis.		
	5) Doors that serve storage suites not more than 28 m² in area in warehousing	
	buildings need not conform to Sentence (1).	
3.3.1.13. Doors and Door Hardware	3.3.1.13. Doors and Door Hardware	
1) Except as required by Article 3.3.3.4., a door that opens into or is located within	1) Except as required by Article 3.3.3.4., a door that opens into or is located within	
a public corridor or other facility that provides access to exit from a suite shall	a public corridor or other facility that provides access to exit from a suite shall	
a) provide a clear opening of not less than 800 mm if there is only one door leaf,	a) provide a clear opening of not less than 800 mm if there is only one door leaf,	
b) in a doorway with multiple leaves, have the active leaf providing a clear opening	b) in a doorway with multiple leaves, have the active leaf providing a clear opening	
of not less than 800 mm, and	of not less than 800 mm,	
c) not open onto a step.	c) not open onto a step, and	
	d) c) not open onto a step. have a threshold not more than 13 mm higher than the	
	surrounding finished floor surface, except where it	
	i) is used to confine the spillage of <i>flammable liquids</i> within a <i>service room</i> or	
	within a room in an <i>industrial occupancy</i> , or	
	ii) provides access to an exterior balcony, unless the balcony is required by Clause 3.3.1.7.(1)(c).	
2) A door in an access to exit shall be readily openable in travelling to an exit without	2) A Except as provided in Sentences (6) and (7), a door in an access to exit shall be	
requiring keys, special devices or specialized knowledge of the door -opening	readily openable in travelling to an <i>exit</i> without requiring keys, special devices or	
mechanism, except that this requirement does not apply to a door serving a	specialized knowledge of the door -opening mechanism, except that this requirement	
contained use area, or an impeded egress zone, provided the locking devices conform	does not apply to a door serving a contained use area, or an impeded egress zone,	
to Sentence (6).	provided the locking devices conform to Sentence (6).	
'''	7) A door in an access to exit is permitted to be equipped with an electromagnetic	
	lock conforming to Sentence 3.4.6.16.(4) or (5).	
7) Local locking devices permitted by Sentence (6) shall be operable by a key from	8) 7) Local locking devices permitted by Sentence (6) shall be operable by a key	
both sides of the door.	from both sides of the door.	
8) Controls for the remote release of door locking devices permitted by Sentence (6)	9) 8) Controls for the remote release of door locking devices permitted by	
shall be located in an area readily available to security personnel.	Sentence (6) shall be located in an area readily available to security personnel.	
9) Locking devices permitted by Sentence (6) that are electrically operated shall be	10) 9 Locking devices permitted by Sentence (6) that are electrically operated shall	
a) designed to operate on emergency power, and	be	
b) capable of manual release by security personnel.	a) designed to operate on emergency power, and	
	b) capable of manual release by security personnel.	
10) Except as stated in Sentence (6), electromagnetic locks are permitted to be used	10) Except as stated in Sentence (6), electromagnetic locks are permitted to be used	
on egress doors located in an access to exit, provided	on egress doors located in an access to exit, provided	
a)the locks and doors are installed in conformance with Sentence 3.4.6.16.(4), and	a)the locks and doors are installed in conformance with Sentence 3.4.6.16.(4), and	
b) if electromagnetic locks are also used on the <i>exit</i> doors in the same <i>means of</i>	b) if electromagnetic locks are also used on the exit doors in the same means of	
egress, then the total time delay for all electromagnetic locks in the means of	egress, then the total time delay for all electromagnetic locks in the means of	
egress is not more than 30 s.	egress is not more than 30 s.	
2.2.4.44 Decreased Chairman	2.2.4.4.4. Downson of Chairman	
3.3.1.14. Ramps and Stairways	3.3.1.14. Ramps and Stairways	

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1) Except as permitted by Sentence (2), Article 3.3.4.7. and Subsection 3.3.2., ramps and stairways that do not serve as <i>exits</i> shall conform to the dimensional, <i>guard</i> , handrail and slip-resistance requirements for <i>exit</i> ramps and stairways stated in Sentence 3.4.3.2.(8) and Articles 3.4.3.4., and 3.4.6.1. to 3.4.6.9. 2) Ramps and stairways that do not conform to the requirements of Sentence (1) are permitted to serve <i>service rooms</i> and <i>service spaces</i> and in <i>industrial occupancies</i> , provided the ramps and stairways are intended only for occasional use for servicing equipment and machinery.	1) Except as permitted by Sentence (2), Article 3.3.4.7. and Subsection 3.3.2., ramps and stairways that do not serve as <i>exits</i> shall conform to the dimensional, guard, handrail and slip resistance requirements for <i>exit</i> ramps and stairways stated in Sentence 3.4.3.2.(8) and Articles 3.4.3.4., and 3.4.6.1. to 3.4.6.9. 2) Ramps and stairways that do not conform to the requirements of Sentence (1) are permitted to serve service rooms and, service spaces and in or industrial occupancies need not comply with Sentence (1), provided the ramps and stairways a) they are intended only for occasional use for servicing equipment and machinery, and b) they do not serve as <i>exits</i> .	
3.3.1.16. Curved or Spiral Stairs 1) A curved or spiral stair is permitted in a stairway not required as an exit, provided the stair has a) treads with i) a minimum run not less than 150 mm, and ii) an average run not less than 200 mm, and b) risers in conformance with Sentence 3.4.6.8.(2).	 3.3.1.16. Curved or Spiral Stairs Tapered Treads in a Curved Flight 1) Flights of stairs shall consist solely of a) straight flights, or b) 1) A curved or spiral stair is permitted in a stairway curved flights complying with Sentence (2). 2) Tapered treads in a curved flight that is not required as an exit, provided the stair has shall have a) treads with a) i) a minimum run not less than of 150 mm, and b) ii) an average a run not less than 200 mm 280 mm when measured at a point 300 mm from the centre line of the handrail at the narrow end of the tread, and c) b) risers in conformance with a riser conforming to Sentence 3.4.6.8.(2). 3) Tapered treads shall have a consistent angle and uniform run and rise dimensions in accordance with the construction tolerances stipulated in Article 3.4.6.8. when measured at a point 300 mm from the centre line of the handrail at the narrow end of the tread. 4) All tapered treads within a flight shall turn in the same direction. 	
3.3.1.17. Capacity of Access to Exits	3.3.1.17. Capacity of Access to Exits 6) In a building that is not sprinklered throughout in accordance with Sentence 3.2.5.12.(1), an access to exit that is part of the principal entrance serving a dance hall or a licensed beverage establishment with an occupant load more than 250 shall provide at least one half of the required exit width.	
 3.3.1.18. Guards 1) Except as provided in Sentence (4) and Article 3.3.2.9., a guard not less than 1 070 mm high shall be provided a) around any roof to which access is provided for purposes other than maintenance, b) at openings into smoke shafts referred to in Subsection 3.2.6. that are less than 1 070 mm above the floor, and 	 3.3.1.18. Guards 1) Except as provided in Sentence (45) and Article 3.3.2.9., a guard not less than 1 070 mm high shall be provided a) around any roof to which access is provided for purposes other than maintenance, b) at openings into smoke shafts referred to in Subsection 3.2.6. that are less than 1 070 mm above the floor, and 	

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c) at each raised floor, <i>mezzanine</i> , balcony, gallery, interior or exterior vehicular	c) at each raised floor, mezzanine, balcony, gallery, interior or exterior vehicular	
ramp, and at other locations where the difference in level is more than 600 mm.	ramp, and at other locations where (see Note A-9.8.8.1.)	
2) Except as permitted by Sentence 3.3.2.9.(4) and unless it can be shown that the	i) the difference in level elevation is more than 600 mm between the walking	
size of openings that exceed this limit does not present a hazard, there shall be no	surface and the adjacent surface, or	
opening that permits the passage of a sphere whose diameter is more than 100 mm	ii) the adjacent surface within 1.2 m of the walking surface has a slope of more	
through a <i>guard</i> serving	than 1 in 2.	
a) an exterior balcony, or	2) Except as permitted by Sentence 3.3.2.9.(4) and unless it can be shown that the	
b) a room, stairway, or space not within a suite of residential occupancy.	size of openings that exceed this limit does not present a hazard, there shall be no	
3) Unless it can be shown that the location and size of openings do not present a	opening that permits the passage of a sphere provided in Sentences (3) and	
hazard, <i>quards</i> shall be designed so that no member, attachment or opening located	3.3.2.9.(4) and Articles 3.3.4.7. and 3.3.5.10., openings through <i>quards</i> shall be of a	
between 140 mm and 900 mm above the level protected by the <i>guard</i> facilitates	size that prevents the passage of a spherical object whose diameter is more than 100	
climbing.	mm through a guard serving.	
4) Sentence (1) does not apply to the front edges of <i>stages</i> or to loading docks	3) Openings through <i>quards</i> other than those required by Sentence (1) that serve	
, , , , , , , , , , , , , , , , , , , ,	occupancies other than industrial occupancies shall be of a size that	
	a) an exterior balcony, or prevents the passage of a spherical object whose	
	diameter is 100 mm. or	
	b) a room, stairway, or space not within a suite of residential occupancy. permits	
	the passage of a spherical object whose diameter is 200 mm.	
	(See Note A-9.8.8.5.(3).)	
	4) 3) Unless it can be shown that the location and size of openings do not present a	
	hazard, guards Except for guards conforming to Article 3.3.5.10., guards that protect	
	a level located more than one <i>storey</i> or 4.2 m above the adjacent level shall be	
	designed so that no member, attachment or opening located between 140 mm and	
	900 mm above the level protected by the <i>guard</i> facilitates climbing. (See Note A-	
	9.8.8.6.(1).)	
	5) 4) Sentence (1) does not apply	
	a) to the front edges of <i>stages</i> or,	
	b) to loading docks, or	
	c) where access is provided for maintenance purposes only.	
3.3.1.19. Transparent Doors and Panels	3.3.1.19. Transparent Doors and Panels	
1) Except as permitted by Sentence (4), a glass or transparent door shall be	1) Except as permitted by Sentence (45), a glass or transparent door shall be designed	
designed and constructed so that the existence and position of the door is readily	and constructed so that the existence and position of the door is readily apparent, by	
apparent, by attaching non-transparent hardware, bars or other permanent fixtures	attaching non-transparent visually contrasting hardware, bars or other permanent	
to it.	fixtures to it.	
2) A glass door shall be constructed of	2) The visibility of fully glazed transparent doors, sidelights and panels shall be	
a) laminated or tempered safety glass conforming to CAN/CGSB-12.1-M,	enhanced through the inclusion of mullions, markings or other elements that	
"Tempered or Laminated Safety Glass," or	a) are visually contrasting,	
b) wired glass conforming to CAN/CGSB-12.11-M, "Wired Safety Glass."	b) are at least 50 mm high,	
3) Except as permitted by Sentence (4), transparent panels used in an access to exit	c) extend the full width of the door, sidelight or panel, and	
that, because of their physical configuration or design, could be mistaken as a <i>means</i>	d) are located between 1 350 mm and 1 500 mm above the floor.	
of egress shall be made inaccessible by barriers or railings.	3) 2) A glass door shall be constructed of	
4) Sliding glass partitions that separate a public corridor from an adjacent occupancy	ZI ZI / / Blass door strait be constructed or	
7) Shamb blass partitions that separate a public corridor from an adjacent occupancy		

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and that are open during normal working hours need not conform to Sentences (1) and (3), provided the <i>partitions</i> are suitably marked to indicate their existence and position. 5) Glass in doors and in sidelights that could be mistaken for doors, within or at the entrances to <i>dwelling units</i> and in public areas, shall conform to the requirements of Article 9.6.1.4. 6) A window in a public area that extends to less than 1 000 mm above the floor and is located above the second <i>storey</i> in a <i>building</i> of <i>residential occupancy</i> , shall be protected by a barrier or railing to not less than 1 070 mm above the floor, or the window shall be non-openable and designed to withstand the lateral design loads for balcony <i>guards</i> required by Article 4.1.5.14.	a) laminated or tempered safety glass conforming to CAN/CGSB-12.1-M, "Tempered or Laminated Safety Glass," or b) wired glass conforming to CAN/CGSB-12.11-M, "Wired Safety Glass." 4) 3) Except as permitted by Sentence (45), transparent panels used in an access to exit that, because of their physical configuration or design, could be mistaken as a means of egress shall be made inaccessible by barriers or railings. 5) 4) Sliding glass partitions that separate a public corridor from an adjacent occupancy and that are open during normal working hours need not conform to Sentences (1) and (34), provided the partitions are suitably marked in conformance with Sentence (2) to indicate their existence and position. 6) Where vision glass is provided in doors or transparent sidelights, the lowest edge of the glass shall be no higher than 900 mm above floor level. 7) 5) Glass in doors and in sidelights that could be mistaken for doors, within or at the entrances to dwelling units and in public areas, shall conform to the requirements of Article 9.6.1.4. 8) 6) A window in a public area that extends to less than 1 000 mm above the floor and is located above the second storey in a building of residential occupancy, shall be protected by a barrier or railing to not less than 1 070 mm above the floor, or the window shall be non-openable and designed to withstand the lateral design loads for balcony guards required by Article 4.1.5.14.	
3.3.1.20. Exhaust Ventilation and Explosion Venting 1) An exhaust ventilation system designed in conformance with the appropriate requirements of Part 6 shall be provided in a building or part of a building in which dust, fumes, gases, vapour or other impurities or contaminants have the potential to create a fire or explosion hazard. (See also Article 4.2.4.13.) 2) Explosion relief devices, vents or other protective measures conforming to Subsection 6.2.2. shall be provided for a space in which substances or conditions that have the potential to create an explosion hazard.	 3.3.1.20. Exhaust Ventilation and Explosion Venting 1) An Except as provided in Sentence (2), an exhaust ventilation system designed in conformance with the appropriate requirements of Part 6 shall be provided in a building or part of a building in which dust, fumes, gases, vapour or other impurities or contaminants have the potential to create a fire or explosion hazard. (See also Article 4.2.4.13.) 2) Where a fire separation required to have a fire-resistance rating is penetrated by a ventilation system required by Sentence (1) for power-ventilated enclosures in laboratories, the ducts shall be a) continuously enclosed from the first penetrated fire separation to any subsequent fire separations or concealed spaces and all the way through to the outdoors so that the highest fire-resistance rating of all the penetrated fire separations is maintained, and b) exempted from the requirement to be equipped with a fire damper, smoke damper and fire/smoke damper as stated in Article 3.1.8.7. 3) 2) Explosion relief devices, vents or other protective measures conforming to Subsection 6.2.2. 6.3.1. and Article 6.9.1.2. shall be provided for a space in which substances or conditions that have the potential to create an explosion hazard. 	
3.3.1.25. Welding and Cutting 3) Welding and cutting operations in <i>buildings</i> shall be carried out in areas with walls, ceilings and floors lined with <i>noncombustible</i> materials.	3.3.1.25. Welding and Cutting 3) Welding and cutting operations in <i>buildings</i> shall be carried out in areas with walls, ceilings and floors lined with <i>noncombustible</i> materials.	

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3.3.1.26. Storage Rooms 1) A storage room more than 1 m2 in area serving a care, treatment or detention occupancy or an assembly occupancy shall be separated from the remainder of the building by a fire separation having a fire-resistance rating not less than 1 h, except that the fire-resistance rating may be reduced to 45 min if the fire-resistance rating of the floor assembly is permitted to be less than 1 h. 2) A clothes closet not more than 800 mm in depth shall not be considered as a storage room for the purpose of this Article.			
(See Note A-3.3.2 1) Handrails shall be	10.) De provided in aisles with steps i Table 3.3.2.10. Taple 3.3.2.10. Table 3.3.2.10.	n Aisles with Steps	
Aisle Width Less than 1 100 mm	a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentences	a handrail located on one side at the end of each row of seats that conforms to Sentences 3.4.6.5.(5) to (8), (11), (13) and	
1 100 mm or more	a.4.6.5.(5) to (8), (11), (13) and (14 a centre-line handrail that conforms to Sentence (2) or a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentences 3.4.6.5.(5) to (8), (11), (13) and (14), plus a handrail located at the end of each row of seats that conforms to Sentences 3.4.6.5.(5) to (8), (11), (13) and (14)	a centre line handrail that conforms to Sentence (2)	
	1) A storage room occupancy or an are building by a fire s that the fire resiste the floor assembly 2) A clothes closet storage room for t 3.3.2.10. Handrail (See Note A-3.3.2. 1) Handrails shall be Aisle Width Less than 1 100 mm	1) A storage room more than 1 m2 in area serving- occupancy or an assembly occupancy shall be sepa- building by a fire separation having a fire resistance that the fire resistance rating may be reduced to 4 the floor assembly is permitted to be less than 1 h. 2) A clothes closet not more than 800 mm in depti- storage room for the purpose of this Article. 3.3.2.10. Handrails in Aisles with Steps (See Note A-3.3.2.10.) 1) Handrails shall be provided in aisles with steps in Table 3.3.2.10. Types and Location of Handrails in Forming Part of Sentence in Aisle Width Aisle Serving Seating on One Side Handrail R a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentences 3.4.6.5.(5) to (8), (11), (13) and (14) a centre-line handrail that conforms to Sentence (2) or a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentence (2) or a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentences 3.4.6.5.(5) to (8), (11), (13) and (14), plus a handrail located at the end of each row of seats that conforms to Sentences 3.4.6.5.(5) to	3.3.1.26. Storage Rooms 1) A storage room more than 1 m2 in area serving a care, treatment or detention occupancy or an assembly occupancy shall be separated from the remainder of the building by a fire separation having a fire resistance rating not less than 1 h, except that the fire resistance rating may be reduced to 45 min if the fire resistance rating of the floor assembly is permitted to be less than 1 h. 2) A clothes closet not more than 800 mm in depth shall not be considered as a storage room for the purpose of this Article. 3.3.2.10. Handrails in Aisles with Steps [See Note A-3.3.2.10.] 1) Handrails shall be provided in aisles with steps in conformance with Table 3.3.2.10. Types and Location of Handrails in Aisles with Steps Forming Part of Sentence 3.3.2.10.(1) Aisle Width Aisle Serving Seating on One Side Handrail Requirements a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentences 3.4.6.5.(5) to (8), (11), (13) and (14) a centre-line handrail that conforms to Sentence (2) or a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentences 3.4.6.5.(5) to (8), (11), (13) and (14), plus a handrail located on the side of the aisle opposite the seats that conforms to Sentence (2) or a continuous handrail located on the side of the aisle opposite the seats that conforms to Sentence (2) or a continuous handrail located at the end of each row of seats that conforms to Sentence (2) or a continuous handrail located at the end of each row of seats that conforms to Sentence (2) or a continuous handrail located at the end of each row of seats that conforms to Sentence (2) or a continuous handrail located at the end of each row of seats that conforms to Sentence (2) or a continuous handrail located at the end of each row of seats that conforms to Sentence (2) or a continuous handrail located at the end of each row of seats that conforms to Sentence (2) or a continuous handrail located on the side of the aisle opposite th

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	2) Handrails installed along aisle centre lines as required by Table 3.3.2.10. shall	
	a) comply with Sentences 3.4.6.5.(5) to (7) and (14),	
	b) have gaps not less than 560 mm and not more than 915 mm wide, measured	
	horizontally, at intervals not exceeding five rows, c) comply with Sentence 3.4.6.5.(11) at terminations and required gaps, and	
	d) have an intermediate rail located 305 mm below the principal handrail.	
	a) have an intermediate ran located 505 mm below the principal national.	
	3.3.2.11. 3.3.2.10. Outdoor Places of Assembly	
	3.3.2.12. 3.3.2.11. Bleachers	
	3.3.2.13. 3.3.2.12. Libraries	
	3.3.2.14. 3.3.2.13. Stages for Theatrical Performances	
	3.3.2.15. 3.3.2.14. Risers for Stairs	
	3.3.2.16. 3.3.2.15. Storage Rooms	
3.3.2.16. Daycare Facilities	3.3.2.16. Daycare Facilities	
1) A daycare facility shall not be located	1) A daycare facility shall not be located	
a) above the second <i>storey</i> unless the safe evacuation of the daycare facility from	a) above the second storey unless the safe evacuation of the daycare facility from	
higher storeys can be assured as provided in Sentence (2), or	higher storeys can be assured as provided in Sentence (2), or	
b) in any <i>storey</i> where the elevation of the lowest finished ceiling is lower than <i>grade</i> .	b) in any storey where the elevation of the lowest finished ceiling is lower than arade.	
2) The assurance of safe evacuation from higher <i>storeys</i> referred to in Clause (1)(a)	2) The assurance of safe evacuation from higher storeys referred to in Clause (1)(a)	
shall be satisfied by	shall be satisfied by	
a) limiting the travel distance from any point in the daycare facility to an exit door	a) limiting the travel distance from any point in the daycare facility to an exit door	
that leads directly to the outdoors or to an exit door through a firewall with a fire-	that leads directly to the outdoors or to an exit door through a firewall with a fire-	
resistance rating not less than 2 h to the following:	resistance rating not less than 2 h to the following:	
i) not more than 45 m for a <i>sprinklered building</i> , or	i) not more than 45 m for a sprinklered building, or	
ii) not more than 30 m for an unsprinklered <i>building</i> , or	ii) not more than 30 m for an unsprinklered <i>building</i> , or	
b) performing a time-based egress analysis that demonstrates a required safe egress time, T _{ET} , of not more than 4 min using the following formula:	b) performing a time-based egress analysis that demonstrates a required safe egress time, T _{ET} , of not more than 4 min using the following formula:	
Caress time, 151, or not more than 4 min using the following formula.	egress time, response than 4 min asing the following formula.	
$T_{\rm ET} = \left[\left(\frac{H_{\rm td}}{H_{\rm s}} \right) + \left(\frac{V_{\rm td}}{V_{\rm s}} \right) + \left(\frac{M_{\rm td}}{M_{\rm s}} \right) \right] \bullet {\rm SF}$	$T_{\mathrm{ET}} = \left[\left(\frac{H_{\mathrm{td}}}{H_{\mathrm{s}}} \right) + \left(\frac{V_{\mathrm{td}}}{V_{\mathrm{s}}} \right) + \left(\frac{M_{\mathrm{td}}}{M_{\mathrm{s}}} \right) \right] \bullet \mathrm{SF}$	
where	where	

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T _{ET} = required safe egress time from any point in the daycare facility to an <i>exit</i>	T _{ET} = required safe egress time from any point in the daycare facility to an <i>exit</i>	
door that leads directly to the outdoors or to an exit door through a	door that leads directly to the outdoors or to an exit door through a	
firewall with a fire-resistance rating not less than 2 h,	firewall with a fire-resistance rating not less than 2 h,	
H _{td} = horizontal travel distance from any point in the daycare facility to an	H _{td} = horizontal travel distance from any point in the daycare facility to an	
enclosed exit stairwell or to an exit door that leads directly to the	enclosed exit stairwell or to an exit door that leads directly to the	
outdoors or to an exit door through a firewall with a fire-resistance	outdoors or to an exit door through a firewall with a fire-resistance	
rating not less than 2 h, in m,	rating not less than 2 h, in m,	
H _s = occupant egress speed not more than 0.5 m/s for horizontal egress	H _s = occupant egress speed not more than 0.5 m/s for horizontal egress	
routes,	routes,	
V _{td} = vertical travel distance within an enclosed <i>exit</i> stairwell, in m, measured	V _{td} = vertical travel distance within an enclosed exit stairwell, in m, measured	
on the diagonal along the nosing of the stairs,	on the diagonal along the nosing of the stairs,	
V _s = occupant egress speed not more than 0.3 m/s for vertical egress routes,	V _s = occupant egress speed not more than 0.3 m/s for vertical egress routes,	
M_{td} = horizontal travel distance on the main floor, in m,	Mtd = horizontal travel distance on the main floor, in m,	
M _s = occupant egress speed not more than 0.5 m/s for horizontal egress	M _s = occupant egress speed not more than 0.5 m/s for horizontal egress	
routes on the main floor, and	routes on the main floor, and	
SF = safety factor, not less than 2.0.	SF = safety factor, not less than 2.0.	
(See Appendix A.)	(See Appendix A.)	
3.3.3.3. Corridors	3.3.3.3. Corridors	Article harmonized with NBC
2) Corridors are permitted to have dead-portions, where	2) Corridors are permitted to have dead-portions, where	
a) the area served by the dead-end portion has a second and separate means of	a) the area served by the dead-end portion has a second and separate means of	
egress, or	egress, or	
b) the corridor serves a <i>suite</i> of <i>care occupancy</i> and the dead-end portion does not	b) the corridor serves a <i>suite</i> of <i>care occupancy</i> and the dead-end portion does not	
exceed 3 m.	exceed 3 6 m.	
3.3.3.5. Compartments and Fire Separations	3.3.3.5. Compartments and Fire Separations	
6) A closure in a fire separation between fire compartments referred to in Sentence	6) A closure in a fire separation between fire compartments referred to in Sentence	
(2) shall be weatherstripped or otherwise designed and installed to retard the	(2) shall be weatherstripped or otherwise designed and installed to retard the	
passage of smoke. (See Appendix A.)	passage of smoke. (See Appendix A.)	
7)	6) 7)	
7)	***Remaining Sentences renumbered***	
	nemaning sentences renambered	
3.3.3.8. Windows	3.3.3.8. Windows	
1) Except in a sleeping room where a person is under legal restraint, a sleeping	1) Except in a sleeping room where a person is under legal restraint, a sleeping	
room in a care, treatment or detention occupancy shall be provided with a window	room in a care, treatment or detention occupancy shall be provided with a window	
whose unobstructed glass area is not less than 5% of the area served.	whose unobstructed glass area is not less than 5% of the area served.	
3.3.4.6. Sound Transmission	3.3.4.6. Sound Transmission	
1) Sound transmission class ratings of <i>building</i> assemblies shall conform to Section	1) Sound transmission class ratings of building assemblies shall conform to Section	
5.9.	5.9. Occupants of dwelling units shall be protected from airborne noise in	
	conformance with Section 5.8.	

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 3.3.5.2. Fire Extinguishing Systems 1) If sprinklers are required and not suitable for the hazard in question, another type of automatic fire extinguishing system shall be installed to provide protection compatible with the nature of the risk. (See Appendix A.) 2) If an industrial process poses a fire risk, an appropriate fire extinguishing system shall be installed in the process area to provide protection compatible with the nature of the risk. (See Appendix A.) 	3.3.5.2. Fire Extinguishing Systems 1) If sprinklers are required and not suitable for the hazard in question, another Type In addition to other requirements in this Code for the installation of automatic fire extinguishing system shall be installed to provide protection compatible with the nature of the risk. (See Appendix A.) 2) If an industrial process poses a fire risk systems, an appropriate fire extinguishing system shall be installed in the process every industrial occupancy floor area area to provide protection compatible with the nature of the risk. (See Appendix A.) if required by the NFC(AE).	
3.3.5.4. Repair and Storage Garages	 3.3.5.4. Repair and Storage Garages 6) Where garage floors or ramps are 600 mm or more above the adjacent ground or floor level, every opening through such floors and the perimeter of floors and ramps shall be provided with a) 6)A a continuous curb not less than 150140 mm high and, a guard not less than 1 070 mm high shall be provided at every garage floor opening and around the perimeter of every floor where the exterior walls are omitted, and a vehicle guardrail not less than 500 mm high conforming to Sentence (7), or b) a full-height wall conforming to Sentence (7). 7) Vehicle guardrails and full-height walls required in Sentence (6) shall be designed and constructed to withstand the loading values stipulated in Sentence 4.1.5.15.(1). 8) 7) Except for open-air storeys, every storey of a storage garage or repair garage located below grade shall be sprinklered. 	
3.3.5.7. Vestibules 3.3.5.9. Multiple-Tenant Self-Storage Warehouses 1) Unless the building is sprinklered throughout, each individual tenancy in a multiple-	 3.3.5.7. Vestibules 4) If access is provided through a vestibule, as required by Sentences (1), (3) and 3.3.5.4.(1), the vestibule shall a) be not less than 1.8 m long, b) be pressurized and ventilated i) naturally to outside air by a vent that has an unobstructed area of not less than 0.1 m2 for each door that opens into the vestibule but not less than 0.4 m², or ii) mechanically at a rate of 14 m3/h for each square metre of vestibule floor surface area, and c) have openings between the vestibule and an adjoining occupancy provided with self-closing doors with no hold-open devices. 3.3.5.9. Multiple-Tenant Self-Storage Warehouses 1) Unless Except as provided in Sentence 3.9.3.1.(5) or unless the building is 	
tenant self-storage warehouse classified as an <i>industrial occupancy</i> shall be separated from the remainder of the <i>building</i> by a <i>fire separation</i> having a <i>fire-resistance rating</i> not less than 45 min.	sprinklered throughout, each individual tenancy in a multiple-tenant self-storage warehouse classified as an industrial occupancy shall be separated from the remainder of the building by a fire separation having a fire-resistance rating not less	

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	than 45 min.	
	3.3.5.10. Guards	
	1) Except where they serve storage garages, guards in industrial occupancies are	
	permitted to consist of	
	a) a top railing, and	
	b) one or more intermediate rails spaced such that openings through the <i>guard</i> are	
	of a size that prevents the passage of a spherical object whose diameter is 535	
	mm.	
3.3.6.2. Storage of Dangerous Goods	3.3.6.2. Storage of Dangerous Goods	
1) Solid and liquid Class 5 oxidizing substances	1) Solid and liquid Class 5 oxidizing substances dangerous goods classified as	
shall be separated from the remainder of the <i>building</i> by a <i>fire separation</i> having a	oxidizers or organic peroxides shall be separated from the remainder of the building	
fire-resistance rating of not less than 2 h.	by a <i>fire separation</i> having a <i>fire-resistance rating</i> of not less than 2 h.	
2) Reactive substances shall be separated from the remainder of the	2) Reactive substances materials shall be separated from the remainder of the	
building by a fire separation having a fire-resistance rating of not less than 2 h. (See	building by a fire separation having a fire-resistance rating of not less than 2 h. (See	
Appendix A.)	Appendix A Note A-3.3.6.2.(2).)	
3) The design of buildings or parts thereof used for the storage of Class 1 dangerous	3) The design of buildings or parts thereof used for the storage of Class 1-dangerous	
goods shall conform to the Explosives Act and its Regulations,	goods classified as explosives shall conform to the Explosives Act and its Regulations,	
published by Natural Resources Canada.	published by Natural Resources Canada.	
3.3.6.3. Indoor Storage of Compressed Gases	3.3.6.3. Indoor Storage of Compressed Anhydrous Ammonia and	
1) Where required by the Alberta Fire Code 2014, cylinders of Class	Flammable, Toxic and Oxidizing Gases	
2.1 flammable gases stored indoors shall be located in a	1) Where required by the Alberta Fire Code 2014, NFC(AE), cylinders of Class	
room	2.1 dangerous goods classified as flammable gases stored indoors shall be located in a	
a) that is congrated from the remainder of the huilding by a gas tight fire	room a) that is congrated from the remainder of the huilding by a gas tight fire	
a) that is separated from the remainder of the <i>building</i> by a gas-tight <i>fire</i> separation having a <i>fire-resistance</i> rating of at least 2 h,	a) that is separated from the remainder of the building by a gas-tight fire separation having a fire-resistance rating of at least 2 h,	
b) that is located on an exterior wall of the <i>building</i> ,	b) that is located on an exterior wall of the <i>building</i> ,	
c) that can be entered from the exterior, and	c) that can be entered from the exterior, and	
d) whose <i>closures</i> leading to the interior of the <i>building</i> are	d) whose <i>closures</i> leading to the interior of the <i>building</i> are	
i) equipped with self-closing devices that keep the <i>closures</i> closed when not in	i) equipped with self-closing devices that keep the <i>closures</i> closed when not in	
use, and	use, and	
ii) constructed so as to prevent the migration of gases from the room into	ii) constructed so as to prevent the migration of gases from the room into	
other parts of the <i>building</i> .	other parts of the <i>building</i> .	
2) Where required by the Alberta Fire Code 2014, cylinders of Class 2.3	2) Where required by the Alberta Fire Code 2014, NFC(AE), cylinders of Class 2.3	
toxic or corrosive gases or Class 2.2 (5.1) oxidizing gases stored indoors shall be	toxic or corrosive gases or Class 2.2 (5.1) anhydrous ammonia or dangerous goods	
located in a room	<u>classified as toxic or</u> oxidizing gases stored indoors shall be located in a room	
a) that is separated from the remainder of the building by a gas-tight fire	a) that is separated from the remainder of the building by a gas-tight fire	
separation having a fire-resistance rating of at least 1 h,	separation having a fire-resistance rating of at least 1 h,	
b) that is located on an exterior wall of the <i>building</i> ,	b) that is located on an exterior wall of the building,	
c) that can be entered from the exterior, and	c) that can be entered from the exterior, and	

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 d) whose closures leading to the interior of the building are i) equipped with self-closing devices that keep the closures closed when not in use, and ii) constructed so as to prevent the migration of gases from the room into other parts of the building. 	 d) whose closures leading to the interior of the building are equipped with self-closing devices that keep the closures closed when not in use, and constructed so as to prevent the migration of gases from the room into other parts of the building. 	
3.3.6.8. Fire Separations in Process Plants 1) In process plants, areas where unstable liquids are handled or where small-scale unit chemical processes occur shall be separated from the remainder of the building by a fire separation having a fire-resistance rating of not less than 2h.	3.3.6.8. Fire Separations in Process Plants 1) In process plants, areas where unstable liquids unstable liquids are handled or where small-scale unit chemical processes occur shall be separated from the remainder of the building by a fire separation having a fire-resistance rating of not less than 2h.	
 3.4.2.3. Distance between Exits 1) Except as provided in Sentence (2), the least distance between 2 exits from a floor area shall be a) one half the maximum diagonal dimension of the floor area, but need not be more than 9 m for a floor area having a public corridor, or b) one half the maximum diagonal dimension of the floor area, but not less than 9 m for all other floor areas. (See Appendix A.) 2) Exits need not comply with Sentence (1) where a) the floor area is divided so that not less than one third of the floor area is on each side of a fire separation, and b) it is necessary to pass through the fire separation to travel from one exit to another exit. 3) The minimum distance between exits referred to in Sentence (1) shall be the shortest distance that smoke would have to travel between the exits, assuming that the smoke will not penetrate an intervening fire separation. 	 3.4.2.3. Distance between Exits 1) Except as provided in Sentence (2), the least distance between 2 exits from a floor area shall be a) one half the maximum diagonal dimension of the floor area, but need not be more than 9 m for a floor area having a public corridor, or b) one half the maximum diagonal dimension of the floor area, but not less than 9 m for all other floor areas. (See Appendix Note A-3.4.2.3.(1).) 2) Exits need not comply with Sentence (1) where a) the floor area is divided so that not less than one third of the floor area is on each side of a fire separation, and b) it is necessary to pass through the fire separation to travel from one exit to another exit. 3) The minimum distance between exits referred to in Sentence (1) shall be the shortest distance that smoke would have to travel between the exits, assuming that the smoke will not penetrate an intervening fire separation. 4) The distance between 2 exterior discharges of exit stairs serving the same floor area shall be a) not less than 9 m, or b) not less than 6 m, where i) the building is sprinklered throughout, and ii) the 2 exterior discharges are located within 15 m of a street. 	Inserted new Sentence (4).
3.4.2.6. Principal Entrances 1) For the purposes of this Section, at least one door at every principal entrance to a <i>building</i> providing access from the exterior at ground level shall be designed in accordance with the requirements for <i>exits</i> .	 3.4.2.6. Principal Entrances 1) For the purposes of this Section, at least one door at every principal entrance to a building providing access from the exterior at ground level shall be designed in accordance with the requirements for exits. 2) In a building that is not sprinklered throughout in accordance with Sentence 3.2.5.12.(1), the principal entrance serving a dance hall or a licensed beverage establishment with an occupant load more than 250 shall provide at least one half of the required exit width. 	Inserted new Sentence (2).
3.4.3.3. Exit Width Reduction	3.4.3.3. Exit Width Reduction	

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1) Except as permitted by Sentences (2) and (4), no fixture, turnstile or construction	1) Except as permitted by Sentences (2) and (4), no fixture, turnstile or construction	Comments
shall project into or be fixed within the required width of an <i>exit</i> .	shall project into or be fixed within the required width of an <i>exit</i> .	
2) Swinging doors in their swing shall not reduce the required width of <i>exit</i> stairs	2) Swinging doors in their swing shall not reduce the required width of <i>exit</i> stairs or	
or landings to less than 750 mm or reduce the width of an <i>exit</i> passageway to less	landings to less than 750 mm or reduce the width of an <i>exit</i> passageway to less than	
than the minimum required width.	the minimum required width.	
3) Doors shall be installed so that, when open, they do not diminish nor obstruct	3) Doors shall be installed so that, when open, they do not diminish nor obstruct the	
the required width of the exit.	required width of the exit.	
4) Handrails and construction below handrails are permitted to project into the	4) Handrails and construction below handrails are permitted to project, including	
required width of means of egress but the projections shall be not more than 100 mm	handrail supports and stair stringers, shall not project more than 100 mm into the	
on each side of the required width.	required width of <u>a</u> means of egress but the projections shall be not more than 100	
	mm on each side of the required width.	
3.4.5.1. Exit Signs	3.4.5.1. Exit Signs	
1) Every exit door shall have an exit sign placed over or adjacent to it if the exit serves	1) Every <i>exit</i> door shall have an <i>exit</i> sign placed over or adjacent to it if the <i>exit</i> serves	
a) a building more than 2 storeys in building height,	a) a building more than 2 storeys in building height,	
b) a building having an occupant load of more than 150, or	b) a building having an occupant load of more than 150, or	
c) a room or floor area that has a fire escape as part of a required means of egress.	c) a room or floor area that has a fire escape as part of a required means of egress.	
2) Every exit sign shall	2) Every <i>exit</i> sign shall	
a) be visible on approach to the <i>exit</i> ,	a) be visible on approach to the <i>exit</i> ,	
b) except as permitted in Sentence (3), consist of a green pictogram and a white	b) except as permitted in Sentence (3), consist of a green pictogram and a	
or lightly tinted graphical symbol meeting the colour specifications referred	white or lightly tinted graphical symbol meeting the colour specifications	
to in ISO 3864-1, "Graphical symbols – Safety colours and safety signs – Part	referred to in ISO 3864-1, "Graphical symbols – Safety colours and safety	
1: Design principles for safety signs and safety markings," and	signs – Part 1: Design principles for safety signs and safety markings," and	
c) conform to the dimensions indicated in ISO 7010, "Graphical symbols –	c) conform to the dimensions indicated in ISO 7010, "Graphical symbols –	
Safety colours and safety signs – Safety signs used inworkplaces and public	Safety colours and safety signs – Safety Registered safety signs used in	
areas," for the following symbols (see Appendix A):	workplaces and public areas," for the following symbols (see Appendix	
i) E001 emergency exit left,	A-Note A-3.4.5.1.(2)(c)):	
ii) E002 emergency exit right,	i) E001 emergency exit left,	
iii) E005 90-degree directional arrow, and	ii) E002 emergency exit right,	
iv) E006 45-degree directional arrow.	iii) E005 90-degree directional arrow, and	
3) Internally illuminated <i>exit</i> signs shall be continuously illuminated and	iv) E006 45-degree directional arrow.	
a) where illumination of the sign is powered by an electrical circuit, be	3) Internally illuminated <i>exit</i> signs shall be continuously illuminated and	
constructed in conformance with CSA C22.2 No. 141, "Emergency Lighting	a) where illumination of the sign is powered by an electrical circuit, be	
Equipment," or b) where illumination of the sign is not powered by an electrical circuit, be	constructed in conformance with CSA C22.2 No. 141, "Emergency Lighting Equipment," or	
constructed in conformance with CAN/ULC-S572, "Photoluminescent and	b) where illumination of the sign is not powered by an electrical circuit, be	
Self-Luminous Signs and Path Marking Systems."	constructed in conformance with CAN/ULC-S572, "Photoluminescent and	
4) Externally illuminated <i>exit</i> signs shall be continuously illuminated and	Self-Luminous Exit Signs and Path Marking Systems."	
be constructed in conformance with CAN/ULC-S572, "Photoluminescent and	4) Externally illuminated <i>exit</i> signs shall be continuously illuminated and be	
Self-Luminous Signs and Path Marking Systems." (See Appendix A.)	constructed in conformance with CAN/ULC-S572, "Photoluminescent and	
Jen Lanningas Signs and Facili Marking Systems. (See Appenaix A.)	Self-Luminous Exit Signs and Path Marking Systems." (See Appendix A Note	
5), 6), 7)	A-3.4.5.1.(4).)	
	<u> </u>	
	5), 6), 7)	
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3.4.6.4. Dimensions of Landings	3.4.6.4. Dimensions of Landings	Inserted new Sentence (3).
1) The length and width of a landing shall be at least the width of the stairway	(See Note A-3.4.6.4.)	
in which it occurs, except that in a straight run, the length of the landing need not	1) The length and width of Except as provided in Sentence (2), a landing shall be at	
be more than 1 100 mm.	least as wide and as long as the width of the stairway in which it occurs, except that	
2) Where a doorway or stairway empties onto a ramp through a side wall, there	in.	
shall be a level area extending across the full width of the ramp, and for a distance of	2) In a straight run stairway and in a stairway that turns less than 90°, the length of	
300 mm on either side of the wall opening, except one side if it abuts on an end wall.	the landing need not be more than the lesser of	
3) Where a doorway or stairway empties onto a ramp through an end wall, there	a) the required width of stair, or	
shall be a level area extending across the full width of the ramp and along its length	<u>b)</u> 1 100 mm.	
for not less than 900 mm.	3) The length of a landing shall be measured perpendicular to the nosing of	
	adjacent steps, at a distance equal to half the length required in Sentence (2), from	
	the narrow edge of the landing.	
	4) 2) Where a doorway or stairway empties onto a ramp through a side wall, there	
	shall be a level area extending across the full width of the ramp, and for a distance of	
	300 mm on either side of the wall opening, except one side if it abuts on an end wall.	
	5) 3) Where a doorway or stairway empties onto a ramp through an end wall, there	
	shall be a level area extending across the full width of the ramp and along its length	
	for not less than 900 mm.	
3.4.6.5. Handrails	3.4.6.5. Handrails	Inserted new sentences.
1) A stairway shall have a handrail on at least one side, but if it is 1 100 mm or	1) A stairway shall have a handrail on at least one side, but if it is One handrail shall	
more wide, it shall have handrails on both sides.	be provided on stairs that are less than 1 100 mm in width.	
2) If the required width of a ramp or flight of stairs is more than 2 200mm, one	2) One handrail shall be provided on each side of	
or more intermediate handrails continuous between landings shall be provided, and	a) stairs that are 1 100 mm or more wide, it shall have handrails on both sides in	
located so that there will be not more than 1 650 mm between handrails.	width,	
3) Handrails shall be continuously graspable along their entire length and shall	b) curved flights of any width, and	
have	c) ramps.	
a) a circular cross-section with an outside diameter not less than 30 mm and	3) 2)If the required width of a ramp or flight of stairs is more than 2 200 mm, one or	
not more than 43 mm, or	more intermediate handrails continuous between landings shall be provided, and	
b) a non-circular cross-section with a graspable portion that has a perimeter	located so that there will be not more than 1 650 mm between handrails. In addition	
not less than 100 mm and not more than 125 mm and whose largest	to Sentence (2), intermediate handrails shall be provided so that	
cross-sectional dimension is not more than 45 mm.	a) a handrail is reachable within 750 mm of all portions of the required exit width,	
4) The height of handrails on stairs and ramps shall be measured vertically from	b) at least one portion of the stair or ramp between two handrails is the	
the top of the handrail to	minimum width required for stairways or ramps (see Sentences 3.4.3.2.(8) and	
a) a straight line drawn tangent to the tread nosings of the stair served by the	3.4.3.3.(4)), and	
handrail (see A-9.8.7.4. in Appendix A), or	c) all other portions of the stair or ramp between two handrails have a clear	
b) the surface of the ramp, floor or landing served by the handrail.	width of 510 mm or more.	
5) Except as provided in Sentences (6) and (7), the height of handrails on stairs	4) Where a stair or ramp is wider than its required exit width, handrails shall be	
and ramps shall be	located along the most direct path of travel. (See Note A-3.4.6.5.(4).)	
a) not less than 865 mm, and	5) 3)Handrails shall be continuously graspable along their entire length, be free of	
b) not more than 965 mm.	any sharp or abrasive elements, and shall have	
6) Handrails installed in addition to required handrails need not comply with	a) a circular cross-section with an outside diameter not less than 30 mm and not	
Sentence (5).	more than 43 mm, or	
7) Where guards are required, handrails on landings shall be not more than	b) a non-circular cross-section with a graspable portion that has a perimeter not	

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1 070 mm in height.	less than 100 mm and not more than 125 mm and whose largest	
8) Except where interrupted by doorways or newels at changes in direction, at	cross-sectional dimension is not more than 45 mm.	
least one handrail shall be continuous throughout the length of a stairway or ramp,	6) 4) The height of handrails on stairs, on aisles with steps and on ramps shall be	
including landings. (See Appendix A.)	measured vertically from the top of the handrail to	
9) Handrails shall be terminated in a manner which will not obstruct pedestrian	a) a straight line drawn tangent to the tread nosings of the stair or aisle step	
travel or create a hazard. (See A-3.4.6.5.(8) in Appendix A.)	served by the handrail (see Note A-9.8.7.4. in Appendix A), or	
10) At least one handrail at the side of a stairway or ramp shall extend horizontally	b) the surface of the ramp, floor or landing served by the handrail.	
not less than 300 mm beyond the top and bottom of the stairway or ramp. (See	7) 5)Except as provided in Sentences Sentence (68) and (7 Clause 3.8.3.5.(1)(e),	
A-3.4.6.5.(8) in Appendix A.)	the height of handrails on stairs, on aisles with steps and on ramps shall be	
11) The clearance between a handrail and any surface behind it shall be not less than	a) not less than 865 mm, and	
a) 50 mm, or	b) not more than 9651 070 mm.	
b) 60 mm if the surface behind the handrail is rough or abrasive.	8) 6) Handrails installed in addition to required handrails need not comply	
12) Handrails and their supports shall be designed and constructed to withstand	with Sentence (5 7).	
the loading values obtained from the non-concurrent application of	9) 7)Where guards are required, handrails on landings shall be not more than 1 070	
a) a concentrated load not less than 0.9 kN applied at any point and in any	mm in	
direction for all handrails, and	height. Required handrails shall be continuously graspable throughout the length of	
b) a uniform load not less than 0.7 kN/m applied in any direction to handrails	a) a ramp, and	
not located within dwelling units.	b) a flight of stairs, from the bottom riser to the top riser.	
13) A ramp shall have handrails on both sides.	(See Note A-9.8.7.2.)	
	10) 8) Except where interrupted by doorways or newels at changes in direction, at	
	least one handrail shall be continuous throughout the length of a stairway or ramp,	
	including <u>at</u> landings. (See Appendix A <u>Note A-3.4.6.5.(10)</u> .)	
	11) 9) Handrails shall be terminated in a manner which that will not obstruct	
	pedestrian travel or create a hazard. (See Note A-3.4.6.5.(8) in Appendix A 10).)	
	12) 10) At least one handrail at the side of a stairway or ramp shall extend	
	horizontally	
	not less than 300 mm beyond the top and bottom of the stairway or ramp. (See	
	Note A-3.4.6.5.(8) in Appendix A 10).	
	13) 11) The clearance between a handrail and any surface behind it shall be not less	
	than	
	a) 50 mm, or	
	b) 60 mm if the surface behind the handrail is rough or abrasive.	
	14) 12) Handrails and their supports shall be designed and constructed to withstand	
	the loading values obtained from the non-concurrent application of	
	a)a concentrated load not less than 0.9 kN applied at any point and in any direction for all handrails, andb)a uniform load not less than 0.7 kN/m	
	applied in any direction to handrails not located within dwelling	
	units-specified in Sentence 4.1.5.14.(7).	
	15) 13)A ramp shall have handrails on both sides.	
3.4.6.5. Handrails	3.4.6.5. Handrails	Inserted new sentences.
1) A stairway shall have a handrail on at least one side, but if it is 1 100 mm or	1) A stairway shall have a handrail on at least one side, but if it is One handrail shall	
more wide, it shall have handrails on both sides.	be provided on stairs that are less than 1 100 mm in width.	

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2) If the required width of a ramp or flight of stairs is more than 2 200mm, one	2) One handrail shall be provided on each side of	
or more intermediate handrails continuous between landings shall be provided, and	a) stairs that are 1 100 mm or more wide, it shall have handrails on both sides in	
located so that there will be not more than 1 650 mm between handrails.	width,	
3) Handrails shall be continuously graspable along their entire length and shall	b) curved <i>flights</i> of any width, and	
have	c) ramps.	
a) a circular cross-section with an outside diameter not less than 30 mm and	3) 2)If the required width of a ramp or flight of stairs is more than 2 200 mm, one or	
not more than 43 mm, or	more	
b) a non-circular cross-section with a graspable portion that has a perimeter	intermediate handrails continuous between landings shall be provided, and located	
not less than 100 mm and not more than 125 mm and whose largest	so that there will be not more than 1 650 mm between handrails. In addition to	
cross-sectional dimension is not more than 45 mm.	Sentence (2), intermediate handrails shall be provided so that	
4) The height of handrails on stairs and ramps shall be measured vertically from	a) a handrail is reachable within 750 mm of all portions of the required exit width,	
the top of the handrail to	b) at least one portion of the stair or ramp between two handrails is the	
a) a straight line drawn tangent to the tread nosings of the stair served by the	minimum width required for stairways or ramps (see Sentences 3.4.3.2.(8) and	
handrail (see A-9.8.7.4. in Appendix A), or	3.4.3.3.(4)), and	
b) the surface of the ramp, floor or landing served by the handrail.	c) all other portions of the stair or ramp between two handrails have a clear	
5) Except as provided in Sentences (6) and (7), the height of handrails on stairs	width of 510 mm or more.	
and ramps shall be	4) Where a stair or ramp is wider than its required <i>exit</i> width, handrails shall be	
a) not less than 865 mm, and	located along the most direct path of travel. (See Note A-3.4.6.5.(4).)	
b) not more than 965 mm.	5) 3) Handrails shall be continuously graspable along their entire length, be free of	
6) Handrails installed in addition to required handrails need not comply with	any sharp or abrasive elements, and shall have	
Sentence (5).	a) a circular cross-section with an outside diameter not less than 30 mm and not	
7) Where <i>guards</i> are required, handrails on landings shall be not more than	more than 43 mm, or	
1 070 mm in height.	b) a non-circular cross-section with a graspable portion that has a perimeter not	
8) Except where interrupted by doorways or newels at changes in direction, at	less than 100 mm and not more than 125 mm and whose largest	
least one handrail shall be continuous throughout the length of a stairway or ramp,	cross-sectional dimension is not more than 45 mm.	
including landings. (See Appendix A.)	6) 4)The height of handrails on stairs, on aisles with steps and on ramps shall be	
9) Handrails shall be terminated in a manner which will not obstruct pedestrian	measured vertically from the top of the handrail to	
travel or create a hazard. (See A-3.4.6.5.(8) in Appendix A.)	a) a straight line drawn tangent to the tread nosings of the stair or aisle step	
10) At least one handrail at the side of a stairway or ramp shall extend horizontally	served by the handrail (see Note A-9.8.7.4. in Appendix A), or	
not less than 300 mm beyond the top and bottom of the stairway or ramp. (See	b) the surface of the ramp, floor or landing served by the handrail.	
A-3.4.6.5.(8) in Appendix A.)	7) 5) Except as provided in Sentences Sentence (68) and (7 Clause 3.8.3.5.(1)(e),	
11) The clearance between a handrail and any surface behind it shall be not less than	the height of handrails on stairs, on aisles with steps and on ramps shall be	
a) 50 mm, or	a) not less than 865 mm, and	
b) 60 mm if the surface behind the handrail is rough or abrasive.	b) not more than 965 <u>1 070 mm</u> .	
12) Handrails and their supports shall be designed and constructed to withstand	8) 6) Handrails installed in addition to required handrails need not comply	
the loading values obtained from the non-concurrent application of	with Sentence (5 7).	
a) a concentrated load not less than 0.9 kN applied at any point and in any	9) 7)Where <i>guards</i> are required, handrails on landings shall be not more than 1 070	
direction for all handrails, and	mm in height. Required handrails shall be continuously graspable throughout the	
b) a uniform load not less than 0.7 kN/m applied in any direction to handrails	length of	
not located within dwelling units.	a) a ramp, and	
13) A ramp shall have handrails on both sides.	b) a <i>flight</i> of stairs, from the bottom riser to the top riser.	
	(See Note A-9.8.7.2.)	
	10) 8) Except where interrupted by doorways or newels at changes in direction, at	

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	least one handrail shall be continuous throughout the length of a stairway or ramp,	
	including at landings. (See Appendix ANote A-3.4.6.5.(10).)	
	11) 9Handrails shall be terminated in a manner which that will not obstruct	
	pedestrian travel or create a hazard. (See Note A-3.4.6.5.(8) in Appendix A10).)	
	12) 10) At least one handrail at the side of a stairway or ramp shall extend horizontally not less than 300 mm beyond the top and bottom of the stairway or ramp. (See	
	Note A-3.4.6.5.(8) in Appendix A10).)	
	13) 11) The clearance between a handrail and any surface behind it shall be not less	
	than	
	a) 50 mm, or	
	b) 60 mm if the surface behind the handrail is rough or abrasive.	
	14) 12) Handrails and their supports shall be designed and constructed to withstand	
	the loading values obtained from the non-concurrent application of a)a concentrated load not less than 0.9 kN applied at any point and in any	
	direction for all handrails, andb)a uniform load not less than 0.7 kN/m	
	applied in any direction to handrails not located within dwelling	
	units.specified in Sentence 4.1.5.14.(7).	
	15) 13) A ramp shall have handrails on both sides.	
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3.4.6.6. Guards	3.4.6.6. Guards	
1) Every <i>exit</i> shall have a wall or a well-secured <i>guard</i> on each side.	1) Every <i>exit</i> shall have a wall or a well-secured <i>guard</i> on each side., where a) there is a difference in elevation of more than 600 mm between the walking	
2) Except as required by Sentence (4), the height of <i>guards</i> for <i>exit</i> stairs shall	surface and the adjacent surface, or	
be	b) the adjacent surface within 1.2 m of the walking surface has a slope of more	
not less than 920 mm measured vertically to the top of the <i>guard</i> from a line	than 1 in 2. (See Note A-9.8.8.1.)	
	2) Except as required by Sentence (4), the height of <i>guards</i> for <i>exit</i> stairs <u>and <i>exit</i></u>	
drawn	ramps as well as their landings shall be not less than 920 mm measured vertically to the top of the guard from a line drawn through the outside edges of the stair nosings	
through the outside edges of the stair nosings and 1 070 mm around landings.	and 1 070 mm around landings1 070 mm.	
3) The height of <i>guards</i> for <i>exit</i> ramps and their landings shall be not less than	3) The height of <i>guards</i> for <i>exit</i> ramps and their landings shall be not less than 1 070	
1 070 mm measured vertically to the top of the <i>guard</i> from the ramp surface.	mm measured vertically to the top of the <i>guard</i> from	
4) The height of <i>guards</i> for exterior stairs and landings more than 10 m above	a) a line drawn through the outside edges of the stair nosings, or	
adjacent ground level shall be not less than 1 500 mm measured vertically to	 b) the surface of the ramp surface or landing. 4) The height of <i>guards</i> for exterior stairs and landings more than 10 m above 	
	adjacent ground level shall be not less than 1 500 mm measured vertically to the top	
the top	of the <i>guard</i> from the surface of the landing or from a line drawn through the outside	
of the <i>guard</i> from the surface of the landing or from a line drawn through the	edges of the stair nosings.	
outside	5) Unless it can be shown that the size of openings that exceed this limit does not	
edges of the stair nosings.	present a hazard, there shall be no opening that permits Except as provided in Sentence 3.3.1.18.(3) and Articles 3.3.4.7. and 3.3.5.10., quards in exits shall not have	
5) Unless it can be shown that the size of openings that exceed this limit does	any openings that permit the passage of a sphere spherical object whose diameter is	
	more than 100 mm through a guard for an exit.	
not	6) In a stairway, a window for which the distance measured vertically between the	

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present a hazard, there shall be no opening that permits the passage of a	bottom of the window and a line drawn through the outside edges of the stair	
sphere whose	nosings is less than 900 mm, or a window that extends to less than 1 070 mm above the landing, shall	
diameter is more than 100 mm through a <i>guard</i> for an <i>exit</i> .	a) be protected by a <i>guard</i> that is	
6) In a stairway, a window for which the distance measured vertically between	i) located approximately 900 mm above a line drawn through the outside edges of	
the bottom of the window and a line drawn through the outside edges of the	the stair nosings, or ii) not less than 1 070 mm high measured to the top of the	
stair	guard from the surface of the landing, or	
nosings is less than 900 mm, or a window that extends to less than 1 070 mm	b) be fixed in position and designed to resist the lateral design loads specified for	
	guards and walls in Articles 4.1.5.14. and 4.1.5.16. 7) Unless it can be shown that the location and size of openings do not present a	
above	hazard, guards Except for guards conforming to Article 3.3.5.10., guards that protect a	
the landing, shall	level located more than one storey or 4.2 m above the adjacent level shall be	
a) be protected by a <i>guard</i> that is	designed so that no member, attachment or opening located between 140 mm and 900 mm above the level being protected by the <i>guard</i> facilitates climbing. (See Note	
i) located approximately 900 mm above a line drawn through	A-9.8.8.6.(1).)	
the outside edges of the stair nosings, or		
ii) not less than 1 070 mm high measured to the top of the		
guard from the surface of the landing, or		
b) be fixed in position and designed to resist the lateral design loads specified		
for guards and walls in Articles 4.1.5.14. and 4.1.5.16.		
7) Unless it can be shown that the location and size of openings do not		
present a		
hazard, guards shall be designed so that no member, attachment or opening		
located		
between 140 mm and 900 mm above the level being protected by the guard		
facilitates		
climbing.		
3.4.6.7. Ramp Slope	3.4.6.7. Ramp Slope	
(See also Article 3.8.3.4.)	(See also Article 3.8.3.4.3.8.3.5.)	
1) Except as required for aisles by Article 3.3.2.5., the maximum slope of a ramp shall be	1) Except as required for aisles by Article 3.3.2.5., the maximum slope of a ramp shall be	
a) 1 in 10 in any assembly, care, treatment, detention or residential occupancy,	a) 1 in 10 in any assembly, care, treatment, detention or residential occupancy,	
b) 1 in 6 in rooms or <i>floor areas</i> classified as a <i>mercantile</i> or <i>industrial occupancy</i> ,	b) 1 in 6 in rooms or floor areas classified as a mercantile or an industrial occupancy,	
c) 1 in 8 in any other floor area, and	c) 1 in 8 in any <u>all</u> other <u>floor area</u> <u>occupancies</u> , and	
d) 1 in 10 for an exterior ramp.	d) 1 in 10 for an exterior ramp.	
3.4.6.8. Treads and Risers	3.4.6.8. Treads and Risers	"Flight and run" are a defined term now
(See A-9.8.4. in Appendix A.)	(See Note A-9.8.4. in Appendix A.)	

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ABC 2014 1) Except as permitted for dwelling units and by Sentence 3.4.7.5.(1) for fire escapes, steps for stairs shall have a run of not less than 280 mm between successive steps. 2) Steps for stairs referred to in Sentence (1) shall have a rise between successive treads not less than 125 mm and not more than 180 mm. 3) Except in fire escape stairs and where an exterior stair adjoins a walkway as permitted in Sentence 3.4.6.3.(3), risers, measured as the vertical nosing-to-nosing distance, shall be of uniform height in any one flight, with a maximum tolerance of a) 5 mm between adjacent treads or landings, and b) 10 mm between the tallest and shortest risers in a flight. 4) Except in fire escape stairs, treads, measured as the horizontal nosing-to-nosing distance, shall have a uniform run with a maximum tolerance of a) 5 mm between adjacent treads, and b) 10 mm between deepest and shallowest treads in a flight. 5) Treads and risers shall not differ significantly in run and rise in successive flights in any stair system. 6) Where angled treads are incorporated into a stair, the treads in all sets of angled treads within a flight shall turn in the same direction. 7) The slope of treads or landings shall not exceed 1 in 50. 8) Except as permitted by Sentence (10), the top of the nosing of stair treads shall have a rounded or bevelled edge extending not less than 6 mm and not more than 13 mm measured horizontally from the front of the nosing. 9) The front edge of stair treads in exits and public access to exits shall be at right angles to the direction of exit travel. 10) If resilient material is used to cover the nosing of a stair tread, the minimum rounded or bevelled edge required by Sentence (8) is permitted to be reduced to 3 mm.	NBC(AE) 2019 1) Except as permitted for dwelling units and by Sentence 3.4.7.5.(1) for fire escapes, steps for stairs shall have a run of not less than 280 mm between successive steps. 2) Steps for stairs referred to in Sentence (1) shall have a rise between successive treads not less than 125 mm and not more than 180 mm. 3) Except as provided in Article 3.3.4.7. and except for fire escape stairs, stairs that are principally used for maintenance and service, and stairs that serve industrial occupancies other than storage garages, steps for stairs shall have no open risers. 4) 3)Except in fire escape stairs and where an exterior stair adjoins a walkway as permitted in Sentence 3.4.6.3.(3), risers, measured as the vertical nosing-to-nosing distance, shall be of uniform height in any one flight, with a maximum tolerance of a) 5 mm between adjacent treads or landings, and b) 10 mm between the tallest and shortest risers in a flight. 5) 4)Except in fire escape stairs, treads, measured as the horizontal nosing-to-nosing distance, shall have a uniform run with a maximum tolerance of a) 5 mm between adjacent treads, and b) 10 mm between the deepest and shallowest treads in a flight. 6) 5)Treads and risers shall not differ significantly in run and rise in successive flights in any stair system. 6)Where angled treads are incorporated into a stair, the treads in all sets of angled treads within a flight shall turn in the same direction. 7) The slope of treads or landings shall not exceed 1 in 50. 8) Except as permitted by Sentence (10), the top of the nosing of stair treads shall have a rounded or bevelled beveled edge extending not less than 6 mm and not more than 13 mm measured horizontally from the front of the nosing. 9) The front edge of stair treads in exits and public access to exits shall be at right	Comments Flight means a series of steps between landings. (See Note A-1.4.1.2.(1).) Run means the horizontal distance between two adjacent tread nosings on a stair. (See Figure A-9.8.4B in Note A-9.8.4. of Division B.) Inserted new Sentence (3). Deleted sentence (6).
3.4.6.9. Curved Stairs 1) Except as permitted by Sentence (2), tapered treads shall not be used in an exit. 2) A curved stair used as an exit shall have a) a handrail on each side, b) treads with a minimum run of 240 mm exclusive of nosings, c) treads that conform to Article 3.4.6.8. where they are measured 230 mm away from the handrail at the narrow end of the tread, and d) an inside radius that is not less than twice the stair width.	angles to the direction of exit travel. 10) If resilient material is used to cover the nosing of a stair tread, the minimum rounded or bevelled beveled edge required by Sentence (8) is permitted to be reduced to 3 mm. 3.4.6.9. Curved Stairs Flights in Exits 1) Exit stair flights shall consist solely of a) straight flights, or b) 1)Except as permitted by Sentence (2), tapered treads shall not be used in an exit-curved flights complying with Sentence (2). 2) A curved stair flight used as an exit shall have a) a handrail on each side, b) treads with a minimum run of 240 mm exclusive of nosings, c) treads a run that conform conforms to Article 3.4.6.8. where they are when measured 230 at a point 300 mm away from the centre line of the handrail at the narrow end of the tread, and	Inserted new Sentence (3).

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	3) Tapered treads shall have a consistent angle and uniform run and rise dimensions in accordance with the construction tolerances stipulated in Article 3.4.6.8. when measured at a point 300 mm from the centre line of the handrail at the narrow end of the tread.	
3.4.6.11. Doors 1) The distance between a stair riser and the leading edge of a door during its swing shall be not less than 300 mm. 2) No exit door shall open directly onto a step except that, if there is danger of blockage from ice or snow, an exit door is permitted to open onto not more than one step which shall be not more than 150 mm high. 3) Exit doors shall be clearly identifiable. (See Appendix A.) 4) No door leaf in an exit doorway with more than one leaf shall be less than 610 mm wide.	 4) All tapered treads within a flight shall turn in the same direction. 3.4.6.11. Doors 1) The distance between a stair riser and the leading edge of a door during its swing shall be not less than 300 mm. 2) No Except as provided in Sentence (3) and where doorways are used to confine the spillage of flammable liquids within a service room or within a room in an industrial occupancy, a threshold for a doorway in an exit door shall open directly onto a step except that, if there is danger of blockage from ice or snow shall be not more than 13 mm higher than the surrounding finished floor surface. 3) Except for doors providing access to ground level as required by Clause 3.3.1.7.(1)(d) and (e), an exit door is permitted to open onto not more than one step which shall be not more than 150 mm high where there is a risk of blockage by ice or snow. 4) 3)Exit doors shall be clearly identifiable. (See Appendix A Note A-3.4.6.11.(4).) 5) 4)No door leaf in an exit doorway with more than one leaf shall be less than 610 mm wide. 	Inserted new Sentences.
3.4.6.12. Direction of Door Swing 1) Except for doors serving a single dwelling unit and except as permitted by Article 3.4.6.14., every exit door shall	6) Where an exit door leading directly to the outside is subject to being obstructed by parked vehicles or storage because of its location, a visible sign or a physical barrier prohibiting such obstructions shall be installed on the exterior side of the door. 3.4.6.12. Direction of Door Swing 1) Except for doors serving a single dwelling unit and except as permitted by Sentence (2) and Article 3.4.6.14., every exit door shall	Inserted new Sentence (2).
a) open in the direction of exit travel, and b) swing on its vertical axis.	a) open in the direction of <i>exit</i> travel, and b) swing on its vertical axis. 2) <i>Exit</i> doors need not conform to Sentence (1), where a) they serve <i>storage garages</i> serving not more than one <i>dwelling unit</i> , b) they serve accessory <i>buildings</i> serving not more than one <i>dwelling unit</i> , c) they i) serve storage <i>suites</i> not more than 28 m2 in area that are on the <i>first storey</i> in warehousing <i>buildings</i> , and ii) open directly outdoors at ground level, or d) they serve individual self-service storage units referred to in Section 3.9.	
3.4.6.16. Door Release Hardware 1) Except for devices on doors serving a contained use area or an impeded egress zone	3.4.6.16. Door Release Hardware 1) Except for devices on doors serving a contained use area or an impeded egress zone designed to be remotely released in conformance with Article 3.3.1.13., and except as	Inserted new Sentence (5). Inserted new Clause and subclause for sentence (4).

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designed to be remotely released in conformance with Article 3.3.1.13., and except	permitted by Sentence Sentences (4) and (5) and Article 3.4.6.17., locking, latching	comments
as	and	
permitted by Sentence (4) and Article 3.4.6.17., locking, latching and other fastening	other fastening devices on a principal entrance door to a <i>building</i> as well as <u>those</u> on	
devices on a principal entrance door to a <i>building</i> as well as on every <i>exit</i> door shall	every <i>exit</i> door shall include release hardware complying with Clause 3.8.3.8.(1)(b) to	
permit the door to be readily opened from the inside with not more than one	permit the door to be readily opened from the inside with not more than one	
releasing	releasing operation and without requiring keys, special devices or specialized	
operation and without requiring keys, special devices or specialized knowledge of the	knowledge of the door -opening mechanism. (See Appendix A Note A-3.4.6.16.(1).)	
door opening mechanism. (See Appendix A.)	2) If a door is equipped with a latching mechanism, a device that will release the	
2) If a door is equipped with a latching mechanism, a device that will release the	latch and allow the door to swing wide open when a force of not more than 90 N is	
latch and allow the door to swing wide open when a force of not more than 90 N is	applied to the device in the direction of travel to the <i>exit</i> shall be installed on	
applied to the device in the direction of travel to the <i>exit</i> shall be installed on	a) every exit door from a floor area containing an assembly occupancy having an	
a) every <i>exit</i> door from a <i>floor area</i> containing an <i>assembly occupancy</i> having an	occupant load more than 100,	
occupant load more than 100,	b) every door leading to an <i>exit</i> lobby from an <i>exit</i> stair shaft, and every exterior	
b) every door leading to an <i>exit</i> lobby from an <i>exit</i> stair shaft, and every	door leading from an <i>exit</i> stair shaft in a <i>building</i> having an <i>occupant load</i> more	
exterior door leading from an <i>exit</i> stair shaft in a <i>building</i> having an <i>occupant</i>	than 100, and	
load more than 100, and	c) every exit door from a floor area containing a high-hazard industrial occupancy.	
c) every exit door from a floor area containing a high-hazard industrial occupancy.	3) Except as required by Sentence 3.8.3.3.(7) 3.8.3.6.(8), every <i>exit</i> door shall be	
3) Except as required by Sentence 3.8.3.3.(7), every <i>exit</i> door shall be designed and	designed	
installed so that, when the latch is released, the door will open under a force of not	and installed so that, when the latch is released, the door will open under a force of	
more than 90 N, applied at the knob or other latch releasing device.	not	
4) Electromagnetic locks that do not incorporate latches, pins or other similar	more than 90 N, applied at the knob or other latch releasing device.	
devices to keep the door in the closed position are permitted to be installed on <i>exit</i>	4) Electromagnetic locks that do not incorporate latches, pins or other similar	
doors	devices to keep the door in the closed position are permitted to be installed on exit	
other than doors leading directly from a high-hazard industrial occupancy, provided	doors,	
a) the <i>building</i> is equipped with a fire alarm system,	other than doors those leading directly from a high-hazard industrial occupancy,	
b) the locking device, and all similar devices in the <i>access to exit</i> leading to the	provided	
exit door, release upon actuation of the fire alarm signal,	a) the <i>building</i> is equipped with a fire alarm system,	
c) the locking device releases immediately upon loss of power controlling the	b) the locking device, and all similar devices in the access to exit leading to the exit	
electromagnetic locking mechanism and its associated auxiliary controls,	door, release releases upon actuation of the <u>alarm signal from the building's</u> fire	
d) the locking device releases immediately upon actuation of a manually	alarm signal system,	
operated switch readily accessible only to authorized personnel,	c) the locking device releases immediately upon loss of power controlling the	
e) a force of not more than 90 N applied to the door opening hardware initiates	electromagnetic locking mechanism and its associated auxiliary controls,	
an irreversible process that will release the locking device within 15 s and	d) except for locking devices installed in conformance with Sentence (5), the	
not relock until the door has been opened,	locking device releases immediately upon actuation of a manually operated	
f) upon release, the locking device must be reset manually by the actuation of	switch readily accessible only to authorized personnel,	
the switch referred to in Clause (d), and	e) except as provided in Clause (k), a force of not more than 90 N applied to the	
g) a legible sign is permanently mounted on the exit door to indicate that	door opening hardware initiates an irreversible process that will release the	
the locking device will release within 15 s of applying pressure to the	locking device within 15 s and not relock re-lock until the door has been opened,	
door-opening hardware.	f) upon release, the locking device must be reset manually by the actuation of the	
(See Appendix A.)	switch referred to in Clause (d), and	
5) Door hardware for the operation of the doors referred to in this Section shall be	g) a legible sign is permanently mounted on the exit door to indicate that	
installed at a height not more than 1 200 mm above the finished floor.	the locking device will release within 15 s of applying pressure to the	
	door-opening hardware.,	

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	h) the total time delay for all electromagnetic locks in any path of egress to	
	release is not more than 15 s,	
	i) where a bypass switch is installed to allow testing of the fire alarm system,	
	actuation of the switch	
	i) can prevent the release of the locking device by the fire	
	alarm system, as stated in Clause (b), during the test, and	
	ii) causes an audible and visual signal to be indicated at the	
	fire alarm annunciator panel required by Article 3.2.4.9.	
	and at the monitoring station specified in Sentence 3.2.4.8.(4),	
	j) emergency lighting is provided at each door, and	
	k) where they are installed on doors providing emergency crossover access to <i>floor</i>	
	areas from exit	
	stairs in accordance with Article 3.4.6.18.,	
	i) the locking device releases immediately upon the operation of	
	a manual station for the fire alarm system located on the wall	
	on the <i>exit</i> stair side not more than 600 mm from the door, and	
	ii) a legible sign with the words "re-entry door unlocked by fire	
	alarm" written in letters at least 25 mm high with a stroke of at	
	least 5 mm is permanently mounted on the door on the exit	
	stair side.	
	(See Note A-3.4.6.16.(4).)	
	5) Electromagnetic locks that do not incorporate latches, pins or other similar devices	
	to keep the door in the closed position are permitted to be installed on doors in	
	Group B,	
	Division 2 and Division 3 occupancies, provided	
	a) the building is	
	i) equipped with a fire alarm system, and	
	ii) sprinklered,	
	b) the electromagnetic lock releases upon	
	i) actuation of the <i>alarm signal</i> from the <i>building</i> 's fire	
	alarm system,	
	ii) loss of its power supply and of power to its auxiliary	
	controls,	
	iii) actuation of a manually operated switch that is readily	
	accessible at a constantly attended location within the	
	locked space, and	
	iv) actuation of the manual station installed within 0.5 m of	
	each door and equipped with an auxiliary contact, which	
	directly releases the electromagnetic lock,	
	c) upon release, the electromagnetic lock requires manual resetting by	
	actuation of the switch referred to in Subclause (b)(iii),	
	d) a legible sign with the words "EMERGENCY EXIT UNLOCKED BY FIRE	
	ALARM" written in letters at least 25 mm high with a stroke at least 5 mm	

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	wide is permanently mounted on the door,	
	e) the operation of any by-pass switch, where provided for testing of the fire	
	alarm system, sets off an audible signal and a visual signal at the fire alarm	
	annunciator panel and at the monitoring station referred to in Sentence	
	3.2.4.7.(4), and	
	f) (See Appendix A.) emergency lighting is provided at the doors. (See Note A-	
	3.4.6.16.(5).)	
	6) 5) Door hardware for the operation of the doors referred to in this Section shall be	
	installed at a height not more than 1 200 mm above the finished floor.	
3.4.6.18. Emergency Access to Floor Areas	3.4.6.18. Emergency Crossover Access to Floor Areas	Inserted new Sentences.
1) In a building more than 6 storeys in building height,	1) In a building more than 6 storeys in building height Except as permitted in	
a) doors providing access to <i>floor areas</i> from <i>exit</i> stairs shall not have locking	Sentence (2),a) doors providing access to floor areas from exit stairs shall not have	
devices to prevent entry into any floor area from which the travel distance up	locking devices to prevent entry into any <i>floor area</i> from which the travel distance up	
or down to an unlocked door is more than 2 storeys,	or down to an unlocked door is more than 2 storeys,.	
b) doors referred to in Clause (a) that provide access into the <i>floor area</i> shall be	2) Doors referred to in Sentence (1) are permitted to be equipped with	
identified by a sign on the stairway side to indicate that they are openable	electromagnetic locks, provided they comply with Sentences 3.4.6.16.(4) and (5).	
from that side, and	3) b)doors Doors referred to in Clause Sentence (a) that provide access into the	
c) a master key to fit all door locking devices that are intended to prevent entry	floor area (1) shall be identified by a sign on the stairway side to indicate that they are	
into a floor area from an exit stair shall be provided in a designated location	openable from that side , and .	
accessible to firefighters, or the door shall be provided with a wired glass	4) c)a master key to fit all door locking devices that are Locked doors intended to	
panel not less than 0.0645 m2 in area and located not more than 300 mm	prevent entry into a <i>floor area</i> from an <i>exit</i> stair shall be provided	
from the door opening hardware.	a) be identified by a sign on the stairway side to indicate the location of the	
2) If access to floor areas through unlocked doors is required by Clause (1)(a), it	nearest unlocked door in each direction of travel, and	
shall be possible for a person entering the <i>floor area</i> to have access through unlocked	b) be openable with a master key that fits all locking devices and is kept in a	
doors within the <i>floor area</i> to at least one other <i>exit</i> .	designated location accessible to firefighters, or the door shall be provided	
	with a wired glass panel not less than 0.0645 m2 in area and located not more than	
	300 mm from the door opening hardware.	
	5) 2)If Where access to floor areas through unlocked doors is required by	
	Clause Sentence (1) (a), it shall be possible for a person entering the floor area to	
	have access through unlocked doors within the <i>floor area</i> to at least one other <i>exit</i> .	
3.4.6.19. Floor Numbering	3.4.6.19. Floor Numbering	
1) Arabic numerals indicating the assigned floor number shall	1) Arabic numerals indicating the assigned floor number shall	
a) be mounted permanently on the stair side of the wall at the latch side of	a) be mounted permanently on the stair side of the wall at the latch side of	
doors to <i>exit</i> stair shafts,	doors to <i>exit</i> stair shafts,	
b) be not less than 60 mm high, raised approximately 0.7 mm above the surface,	b) be not less than 60 mm high, raised approximately 0.7 mm above the surface,	
c) be located 1 350 mm from the finished floor and beginning not more than	c) be located 1 350 500 mm from the finished floor and beginning not more	
150 mm from the door, and	than 150 <u>300</u> mm from the door, and	
d) be contrasting in colour with the surface to which they are applied (see	d) be contrasting in colour with the surface to which they are applied (see	
Appendix A).	Appendix A Note A-3.4.6.19.(1)(d)).	
3.5.2.1. Elevators, Escalators and Dumbwaiters	3.5.2.1. Elevators, Escalators and Dumbwaiters	
1) The design, construction, installation and <i>alteration</i> of every elevator, escalator,	1) The design, construction, installation and <i>alteration</i> of every elevator,	
passenger-elevating device, moving walk, freight platform lift and dumbwaiter shall	escalator, passenger-elevating device, moving walk, freight platform lift and	

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conform to the elevating devices regulations made pursuant to the Safety Codes Act. (See Appendix A.) 2) Before being placed in service, every elevator, escalator, passenger-elevating device, moving walk, freight platform lift or dumbwaiter installation, including safety and control devices, shall be inspected and tested in accordance with the elevating devices regulations made pursuant to the Safety Codes Act. 3) Passenger elevators shall conform to Appendix E of ASME A17.1/CSA B44, "Safety Code for Elevators and Escalators."	dumbwaiter shall conform to the elevating devices regulations Elevating Devices Codes Regulation made pursuant to the Safety Codes Act. (See Appendix A Note A-3.5.2.1.(1).) 2) Before being placed in service, every elevator, escalator, passenger-elevating device, moving walk, freight platform lift or dumbwaiter installation, including safety and control devices, shall be inspected and tested in accordance with the elevating devices regulations Elevating Devices Codes Regulation made pursuant to the Safety Codes Act. 3) Passenger elevators shall conform to Appendix E of ASME A17.1/CSA B44, "Safety Code for Elevators and Escalators." 3.6.1.3. Lightning Protection Systems	Inserted new article.
	1) A lightning protection system, when provided, shall conform to the requirements of CAN/CSA-B72-M, "Installation Code for Lightning Protection Systems."	
3.6.1.3. Storage Use Prohibition	3.6.1.4. 3.6.1.3. Storage Use Prohibition	Renumbered Article
Service rooms and service spaces shall not be designed to facilitate subsequent	1) Service rooms and service spaces shall not be designed to facilitate subsequent use as storage space.	
use as storage space.		
3.6.1.4. Appliances Installed outside a Building	3.6.1.5. 3.6.1.4. Appliances Installed outside a Building	Renumbered Article
3.6.3.1. Fire Separations for Vertical Service Spaces 1) Except as required by Section 3.5., a vertical service space shall be separated from all other portions of each adjacent storey by a fire separation having a fire-resistance rating conforming to Table 3.6.3.1. for the fire-resistance rating required by Subsection 3.2.2. for a) the floor assembly above the storey, or b) the floor assembly below the storey, if there is no floor assembly above. (See Appendix A.)	3.6.3.1. Fire Separations for Vertical Service Spaces 1) Except as required by provided in Articles 3.6.3.3. and 3.6.3.5. and Section 3.5., a vertical service space shall be separated from all other portions of each adjacent storey by a fire separation having a fire-resistance rating conforming to Table 3.6.3.1. for the fire-resistance rating required by Subsection 3.2.2. for a) the floor assembly above the storey, or b) the floor assembly below the storey, if there is no floor assembly above. (See Appendix Note A-3.6.3.1.(1).)	
2),3),4),5)	2),3),4),5)	
	 3.6.3.2. Foamed Plastic Protection 1) Foamed plastic insulation in a <i>vertical service space</i> shall be protected in conformance with Article 3.1.5.12. 3.1.5.14. 	"Foamed plastic" is no longer a defined term.
	3.6.3.5. Grease Duct Enclosures (See Note A-3.6.3.5.) 1) Except as provided in Sentence (2), fire separations enclosing grease ducts for commercial cooking operations shall conform to NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations." 2) The fire-resistance rating of field-applied and factory-built grease duct enclosure assemblies shall be determined in conformance with CAN/ULC-S144, "Fire Resistance Test – Grease Duct Assemblies."	Inserted new article.

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3.6.4.2. Fire Separations for Horizontal Service Spaces	3.6.4.2. Fire Separations for Horizontal Service Spaces	
1) A horizontal service space that penetrates a required vertical fire separation shall	1) A Except as provided in Article 3.6.3.5., a horizontal service space that	
be separated from the remainder of the <i>building</i> it serves in conformance with	penetrates a required vertical <i>fire separation</i> shall be separated from the remainder	
Sentence (2).	of the <i>building</i> it serves in conformance with Sentence (2).	
2) If a horizontal service space or other concealed space is located above a required	2) If a horizontal service space or other concealed space is located above a required	
vertical fire separation other than a vertical shaft, this space need not be divided at	vertical fire separation other than a vertical shaft, this space need not be divided at	
the <i>fire separation</i> as required by Article 3.1.8.3. provided the construction between	the <i>fire separation</i> as required by Article 3.1.8.3. provided the construction between	
this space and the space below is a fire separation with a fire-resistance rating	this space and the space below is a <i>fire separation</i> with a <i>fire-resistance rating</i>	
equivalent to that required for the vertical fire separation, except that the fire-	equivalent to that required for the vertical <i>fire separation</i> , except that the <i>fire-</i>	
resistance rating is permitted to be not less than 30 min if the vertical fire separation	resistance rating is permitted to be not less than 30 min if the vertical fire separation	
is not required to have a <i>fire-resistance rating</i> more than 45 min. (See Appendix A.)	is not required to have a <i>fire-resistance rating</i> more than 45 min. (See Appendix Note	
	A- <u>3.6.4.2.(2)</u> .)	
3.6.4.3. Plenum Requirements	3.6.4.3. Plenum Requirements	Inserted new clause 3.6.4.3.(2)(d)
1) A concealed space used as a <i>plenum</i> within a floor assembly or within a roof	1) A concealed space used as a <i>plenum</i> within a floor assembly or within a roof	- V /X-/
assembly need not conform to Sentence 3.1.5.15.(1) and Article 3.6.5.1., provided	assembly need not conform to Sentence 3.1.5.15. 3.1.5.18.(1) and Article 3.6.5.1.,	
a) all materials within the concealed space have a <i>flame-spread rating</i> not more	provided	
than 25 and a smoke developed classification not more than 50, except for	a) all materials within the concealed space have a <i>flame-spread rating</i> not more	
i) tubing for pneumatic controls,	than 25 and a smoke developed classification not more than 50, except for	
ii) optical fibre cables and electrical wires and cables with	i) tubing for pneumatic controls,	
combustible insulation, jackets or sheathes that are used for	ii) optical fibre cables and electrical wires and cables with <i>combustible</i> insulation,	
the transmission of voice, sound or data and conform to	jackets or sheathes that are used for the transmission of voice, sound or data and	
Sentences 3.1.4.3.(2) and 3.1.5.18.(2),	conform to Sentences 3.1.4.3.(2) and 3.1.5.18. 3.1.5.21.(2),	
iii) totally enclosed non-metallic raceways with an FT6 rating,	iii) totally enclosed non-metallic raceways with an FT6 rating, when tested in	
when tested in accordance with Clause 3.1.5.20.(1)(a), in	accordance with Clause 3.1.5.20. 3.1.5.23.(1)(a), in buildings required to be of	
buildings required to be of noncombustible construction, and	noncombustible construction, and	
iv) totally enclosed non-metallic raceways with an FT4 rating,	iv) totally enclosed non-metallic raceways with an FT4 rating,	
when tested in accordance with Clause 3.1.5.20.(1)(a), in	when tested in accordance with Clause 3.1.5.20. 3.1.5.23.(1)(a), in buildings	
buildings permitted to be of combustible construction, and	permitted to be of combustible construction, and	
b) the supports for the ceiling membrane are of <i>noncombustible</i> material having	b) the supports for the ceiling membrane are of <i>noncombustible</i> material having a	
a melting point not below 760°C.	melting point not below 760°C.	
2) If a concealed space referred to in Sentence (1) is used as a return-air <i>plenum</i>	2) If a concealed space referred to in Sentence (1) is used as a return-air <i>plenum</i> and	
and incorporates a ceiling membrane that forms part of the required fire-resistance	incorporates a ceiling membrane that forms part of the required <i>fire-resistance rating</i>	
rating of the assembly, every opening through the membrane shall be protected by	of the assembly, every opening through the membrane shall be protected by a <i>fire</i>	
a fire stop flap that	stop flap that	
a) stops the flow of air into the concealed space in the event of a fire,	a) stops the flow of air into the concealed space in the event of a fire,	
b) is supported in a manner that will maintain the integrity of the ceiling	b) is supported in a manner that will maintain the integrity of the ceiling	
membrane for the duration of time required to provide the required	membrane for the duration of time required to provide the required	
fire-resistance rating, and	fire-resistance rating, and	
c) conforms to the appropriate requirements of Appendix D.	c) conforms to the appropriate requirements of Appendix D.conforms to CAN/ULC-	
	S112.2, "Fire Test of Ceiling Firestop Flap Assemblies," and	
	d) activates at a temperature approximately 30°C above the normal maximum	
	temperature that occurs in the return-air plenum, whether the air duct system is	

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	operating or shut down.	
3.6.4.4. Attic or Roof Space Access	3.6.4.4. Attic or Roof Space Access	
1) An attic or roof space more than 900 mm high shall be provided with access	1) An attic or roof space more than 900 600 mm high shall be provided with access	
from the floor immediately below by a hatchway not less than 550 mm by 900 mm or	from the floor immediately below by a hatchway not less than 550 mm by 900 mm or	
by a stairway.	by a stairway.	
3.6.4.7. Roof Access	3.6.4.7. Roof Access to Roof-Mounted HVAC Equipment	Removed sentence (2)
1) A building shall be provided with direct access to the roof by an interior	1) A building shall be provided with direct access to the roof by an interior	
stairway if	stairway if	
a) heating, ventilating or air-conditioning equipment is installed on the roof, and	a) heating, ventilating or air-conditioning equipment is installed on the roof, and	
b) the roof elevation is more than 4 m above <i>grade</i> .	b) the roof elevation is more than 4 m above <i>grade</i> .	
2) Access shall be provided to roof areas in which tie back and anchor systems are	2)Access shall be provided to roof areas in which tie back and anchor systems are	
provided for window-cleaning suspended power platforms and if access is through	provided for window-cleaning suspended power platforms and if access is through	
a) the roof, it shall be by means of an interior staircase, or	a)the roof, it shall be by means of an interior staircase, or	
b) a wall, the panels shall be openable from the outside without the use of keys	b)a wall, the panels shall be openable from the outside without the use of keys	
or any specialized device or knowledge. (See Appendix A.)	or any specialized device or knowledge. (See Appendix A.)	
3) Fixed access shall be provided to rooftop heating, ventilating or air-conditioning	2) 3)Fixed access shall be provided to rooftop heating, ventilating or	
equipment that is installed on a sloped roof.	air-conditioning equipment that is installed on a sloped roof.	
3.6.5.1. Duct Materials	3.6.5.1. Duct Materials	
1) Except as permitted by Sentences (2) to (5) and Article 3.6.4.3., all ducts, duct	1) Except as permitted by Sentences (2) to (5) and Article 3.6.4.3., all ducts, duct	
connectors, associated fittings and <i>plenums</i> used in air duct systems shall be	connectors, associated fittings and <i>plenums</i> used in air duct systems shall be	
constructed	constructed of steel, aluminum alloy, copper, clay , asbestos-cement or other	
of steel, aluminum alloy, copper, clay, asbestos-cement or other noncombustible	noncombustible material.	
material.	2) Except as permitted by Sentence (3), ducts, associated fittings and <i>plenums</i> are	
2) Except as permitted by Sentence (3), ducts, associated fittings and <i>plenums</i> are	permitted to contain <i>combustible</i> material provided they	
permitted to contain <i>combustible</i> material provided they	a) conform to the appropriate requirements for Class 1 duct materials in	
a) conform to the appropriate requirements for Class 1 duct materials in	CAN/ULC-S110, "Test for Air Ducts,"	
CAN/ULC-S110, "Test for Air Ducts,"	b) conform to Article 3.1.5.15. 3.1.5.18. in a <i>building</i> required to be of	
b) conform to Article 3.1.5.15. in a <i>building</i> required to be of <i>noncombustible</i>	noncombustible construction,	
construction,	c) conform to Subsection 3.1.9.,	
c) conform to Subsection 3.1.9., d) are used only in horizontal runs in a <i>building</i> required to be of <i>noncombustible</i>	d) are used only in horizontal runs in a <i>building</i> required to be of <i>noncombustible</i>	
construction,	construction, e) are not used in vertical runs serving more than 2 storeys in a building permitted to	
e) are not used in vertical runs serving more than 2 storeys in a building	be of combustible construction, and	
permitted to be of <i>combustible construction</i> , and	f) are not used in air duct systems in which the air temperature could be more	
f) are not used in air duct systems in which the air temperature could be more	than 120°C.	
than 120°C.	(IIIII 120 C.	
3), 4), 5)	3), 4), 5)	
3 7 3		

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3.7.2.2. Water Closets 1) 2) If a single universal toilet room is provided in accordance with the requirements of Section 3.8., the total number of persons in the building used to determine the number of water closets to be provided, is permitted to be reduced by 10 before applying Sentences (6), (7), (8), (12), (13) or (14). 3) Except as permitted by Sentence (2), if only one universal toilet room is provided in accordance with Section 3.8., the water closet in this room shall not be taken into consideration in determining the number of water closets required by this Article, unless a single water closet is permitted in accordance with Sentence (4). 4), 5), 6),	3.7.2.2. Water Closets 1) 2) If a single universal toilet room washroom is provided in accordance with the requirements of Section 3.8., the total number of persons in the building used to determine the number of water closets to be provided, is permitted to be reduced by 10 before applying Sentences Sentence (6), (7), (8), (12), (13) or (14). 3) Except as permitted by Sentence (2), if only one universal toilet room washroom is provided in accordance with Section 3.8., the water closet in this room shall not be taken into consideration in determining the number of water closets required by this Article, unless a single water closet is permitted in accordance with Sentence (4).b 4), 5), 6),	Comments
3.7.2.3. Lavatories 4) Lavatories required by Sentence (1) shall be equipped with faucets that a) operate automatically, or b) have lever-type handles that do not close under spring action. 5) Daycare facilities shall have at least one sink suitable for the washing of toys. 3.7.2.4. Service Buildings for Manufactured Home Parks and Campgrounds	3.7.2.3. Lavatories 4) Lavatories Except as provided by the Plumbing Code Regulation made pursuant to the Safety Codes Act, lavatories required by Sentence (1) shall be equipped with faucets that a) operate automatically, or b) have lever type handles that do not close under spring action. have a manual control that i) complies with Clause 3.8.3.8.(1)(b), ii) does not require the application of continuous force to maintain water flow, and iii) where metered, provides at least 10 s of water flow. (See Note A-3.7.2.3.(4).) 5) Daycare facilities shall have at least one sink suitable for the washing of toys that is not located in a washroom. 3.7.2.4. Service Buildings for Manufactured Home Parks and Campgrounds	Inserted new Subclause (b) (i),(ii),(iii).
1) A service building shall be provided for public use for a) manufactured homes that do not have individual sanitary facilities connected to a central water supply and drainage system, and b) a campground.	1) A service <i>building</i> shall be provided for public use for a)manufactured homes in a) parks or other developments that provide sites for parking or installation of recreational vehicles, camper trailers or similar structures or vehicles that do not have individual sanitary facilities connected to a central water supply	

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2) Except as permitted by Sentence (4), the service building required by	and drainage system, and	
Sentence (1) shall contain	b) a campground. 2) Except as permitted by Sentence (4), the service building required by	
a) at least one water closet for each sex if the service <i>building</i> facilities serve	Sentence (1) shall contain	
not more than 10 <i>manufactured homes</i> or camping sites, and	a) at least one water closet for each sex if the service building facilities serve	
	not more than 10 manufactured homes or camping unserviced sites, and	
b) an additional water closet for each sex for each additional 10 manufactured	b) an additional water closet for each sex for each additional 10 manufactured homes or camping unserviced sites.	
homes or camping sites.	<u> </u>	
3.7.2.8. Grab Bar Installation	3.7.2.8. Grab Bar Installation Bars 1) Grab bars shall	Inserted new Clauses (a),(b),(c),(d),(e).
1) Grab bars that are installed shall resist a load not less than 1.3 kN applied	a) be slip-resistant and free of any sharp or abrasive elements,	
vertically or horizontally.	b) be mounted on surfaces that are installed shall free of any sharp or abrasive	
	elements,	
	c) be able to resist a load of not less than 1.3 kN applied vertically or horizontally, d) be 30 mm to 40 mm in diameter, and	
	e) where mounted on a wall, have a clearance of 35 mm to 45 mm from the	
	wall.	
3.7.2.9. Bathtubs	3.7.2.9. Bathtubs	
1) Where a bathtub is installed in a hotel or a motel, it shall	1) Where a bathtub is installed in a hotel or a motel, it shall a) notwithstanding the presence of a water closet or a lavatory, have a clear	
a) notwithstanding the presence of a water closet or a lavatory, have a clear	floor space at least 900 mm wide along its length, except that a water closet	
floor space at least 900 mm wide along its length,	or a lavatory is permitted to encroach this space,	
b) have faucets that conform to Clause 3.7.2.3.(4)(b),	b) have faucets <u>and other controls</u> that conform to Clause <u>3.7.2.3.(4-3.8.3.8.(1)</u> (b),	
c) have grab bars that	c) have a slip-resistant bottom surface, d) e have grab bars that	
i) conform to Sentence 3.7.2.8.(1),	i) conform to Sentence 3.7.2.8.(1),	
	ii) are not less than 1 200 mm long located vertically at the end	
ii) are 1 200 mm long located vertically at the end of the	of the bathtub that is adjacent to the clear floor space, with	
bathtub that is adjacent to the clear floor space, with the	the lower end between 180 mm and 280 mm above the bathtub rim, and	
lower end between 180 mm and 280 mm above the bathtub	iii) are not less than 1 200 mm long located horizontally along	
rim, and	the length of the bathtub at 180 mm to 280 mm above the	
iii) are 1 200 mm long located horizontally along the length of	bathtub rim, and	
the bathtub at 180 mm to 280 mm above the bathtub rim,	e) d) d) be capable of being accessed along its full length with no tracks mounted on the bathtub rim.	
and		
d) be open along its length with no tracks mounted on the bathtub rim.		
3.7.3. Reserved	3.7.3. Reserved Medical Gas Piping Systems	Relocated Medical Gas Piping Systems from Part 7 to 3.7.3.

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Section 3.8. Barrier-Free Design	Section 3.8. Barrier-Free Design Accessibility	
N/A	3.8.1. Scope	New Subsection.
	3.8.1.1. Scope	
	1) This Section is concerned with the barrier-free design of buildings.	Sentence (3) previously located under Article
		3.8.4.1. in ABC 2014.
	2) Buildings and facilities required to be barrier-free in accordance with Subsection	
	3.8.2. shall be designed in accordance with Subsection 3.8.3.	Sentence (4) cross-reference to new Alberta-
		specific Subsection 3.8.5.
	3) Residential projects of 10 or more dwelling units funded in whole or in part by the	
	Government of Alberta are required to provide adaptable dwelling units which could	
	be made to meet barrier-free design principles and shall be provided as follows:	
	a) 1 per 10 dwelling units, based on the total number of dwelling units in a project,	
	<u>and</u>	
	b) adaptable dwelling units shall be designed in accordance with Subsection 3.8.4.	
	4) In addition to the requirements of Sentence (2), physician clinics and offices	
	shall conform to Subsection 3.8.5.	
3.8.1.1. Application	3.8.2. 3.8.1.1. Application	
3.8.1.1. Application	3.8.2.1. Exceptions	Sentence (2) deleted
2) Buildings required to be barrier-free must comply with all requirements designed	2)-Buildings required to be barrier-free must comply with all requirements designed	
to assist persons with physical, sensory and developmental disabilities.	to assist persons with physical, sensory and developmental disabilities.	
3.8.1.2. Entrances	3.8.2.2. 3.8.1.2. Entrances	Sentence (1) – defined term "walkway" revised to
1) In addition to the barrier-free entrances required by Sentence (2), not less than	1) In addition to the barrier-free entrances required by Sentence (2), not less than	appropriate term.
50% of the pedestrian entrances, including the primary entrance, of a building	50% of the pedestrian entrances, including the primary entrance, of a building	
referred to in Sentence 3.8.1.1.(1), including walkways leading to the entrances from	referred to in Sentence 3.8.1.1.3.8.2.1.(1), including walkways exterior walks leading	Sentence (6) removed and relocated to Sentence
a public thoroughfare and from on-site parking areas, shall be barrier-free.	to the entrances from a public thoroughfare and from on-site parking areas, shall be	3.8.3.6.(15).
	barrier-free.	
6) If an entrance is equipped with a security system, both visual and audible		
signals shall be used to indicate when the door lock is released.	6) If an entrance is equipped with a security system, both visual and audible	
	signals shall be used to indicate when the door lock is released.	
3.8.1.3. Barrier-Free Path of Travel	3.8.3.2. 3.8.1.3. Barrier-Free Path of Travel	Sentence (2) – new clause (d) and technical
1) Except as required elsewhere in this Part or as permitted by Article 3.8.3.3.		change to clause (d)
pertaining to doorways, the unobstructed width of a barrier-free path of travel shall	2) Interior and exterior walking surfaces that are within a barrier-free path of travel	
be not less than 920 mm.	shall	Sentence (5) – relocated requirement that was
	a) have no opening that will permit the passage of a sphere more than 13 mm in	Sentence 3.3.1.7.(6) in ABC 2014. "Moving
2) Interior and exterior walking surfaces that are within a barrier-free path of travel	diam diameter,	walkway" also changed to "moving walk."
shall	b) have any elongated openings oriented approximately perpendicular to the	
a) have no opening that will permit the passage of a sphere more than 13 mm diam,	direction of travel,	
b) have any elongated openings oriented approximately perpendicular to the	c) be stable, firm and slip-resistant,	
direction of travel,	d) have a cross slope no steeper than 1 in 50,	
c) be stable, firm and slip-resistant,	de) be bevelled beveled at a maximum slope of 1 in 2 at changes in level not more	
	than between 6 mm and 13 mm, and	

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d) be bevelled at a maximum slope of 1 in 2 at changes in level not more than 13 mm, and	ef) be provided with sloped floors or ramps at changes in level more than 13 mm. (See Note A-3.8.3.2.(2).)	
e) be provided with sloped floors or ramps at changes in level more than 13 mm.	(See Note A 3.6.3.2.(2).)	
3) A barrier-free path of travel is permitted to include ramps, passenger elevators or	5) In a barrier-free path of travel, a downward change in elevation shall be signalled	
other platform-equipped passenger-elevating devices to overcome a difference in	by the use of a 600 mm wide tactile warning strip placed 250 mm from the edge and	
level.	for the full width of a stair, escalator, moving walk, ramp or platform, and identified	
4) The width of a <i>barrier-free</i> path of travel that is more than 30 m long shall be increased to not less than 1 500 mm for a length of 1 500 mm at intervals not exceeding 30 m.	using colour and brightness contrast.	
3.8.1.4. Access to Storeys Served by Escalators and Moving Walks	3.8.1.4. 3.8.2.4. Access to Storeys Served by Escalators and Moving Walks	
3.8.1.5. Controls 1) Except as required by Sentence 3.5.2.1.(3) and Article 3.8.3.5. for elevators and platform-equipped passenger-elevating devices, controls for the operation of <i>building</i> services or safety devices, including electrical switches, thermostats and intercom switches, that are intended to be operated by the occupant and are located in or adjacent to a <i>barrier-free</i> path of travel shall be accessible to a person in a wheelchair, operable with one hand, and mounted between 400 mm and 1 200 mm above the floor.	3.8.1.5. 3.8.2.6. Controls 1) Except as required provided in Sentence 3.5.2.1.(3) and Article 3.8.3.5. 3.8.3.7. for elevators and platform-equipped passenger-elevating devices, controls for the operation of building services or safety devices, including electrical switches, thermostats, faucets, door hardware and intercom switches, that are intended to be operated by the occupant and are located in or adjacent to a barrier-free path of travel shall be accessible to a person in a wheelchair, operable with one hand, and mounted between 400 mm and 1 200 mm above the floor comply with Subsection 3.8.3. (See Note A-3.8.2.6.(1).)	
3.8.2. Occupancy Requirements	3.8.2. Occupancy Requirements	
3.8.2.1. Areas Requiring a Barrier-Free Path of Travel 4) Except as provided in Sentence (5), Sentence (1) does not apply to any storey, not more than 600 m2 in area, above or below the first storey of a building that does not exceed two storeys in building height.	3.8.2.3. 3.8.2.1. Areas Requiring a Barrier-Free Path of Travel 4) Except as provided in Sentence (5) and except for a storey containing a physician clinic or office within the scope of Subsection 3.8.5., Sentence (1) does not apply to any storey, not more than 600 m2 in area, above or below the first storey of a building that does not exceed two storeys in building height.	Exemption due to new Subsection 3.8.5.
3.8.2.2. Access to Parking Areas and Stall Design (See Appendix A.)	3.8.2.5. 3.8.2.2. Access to Parking Areas, Exterior Passenger-Loading Zones and Stall Design (See Appendix Note A3.8.2.5.) 3) Exterior passenger-loading zones shall comply with Subsection 3.8.3.	New Sentence (3). Design requirements relocated to Subsection 3.8.3.
3.8.2.2. Access to Parking Areas and Stall Design (See Appendix A.) 3) If an exterior passenger loading zone is provided, it shall have	3.8.3.4. Exterior Passenger-Loading Zones 3)1) If an exterior passenger_loading zone is provided, it shall have a) an access aisle not less than 1 500 mm wide and 6 000 mm long adjacent and parallel to the vehicle pull-up space,	Sentence 3.8.2.2.(3) under ABC 2014 relocated to new Article 3.8.3.4.

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a) an access aisle not less than 1 500 mm wide and 6 000 mm long adjacent and parallel to the vehicle pull-up space, b) a curb ramp, where there are curbs between the access aisle and the vehicle pull-up space, and c) a clear height of not less than 2 750 mm at the pull-up space and along the vehicle access and egress routes.	b) a curb ramp, where there are curbs between the access aisle and the vehicle pull-up space, and c) a clear height of not less than 2 750 mm at the pull-up space and along the vehicle access and egress routes.	
3.8.2.2. Access to Parking Areas and Stall Design (See Appendix A.) 4) A parking stall intended for use by persons using a wheelchair or other mobility aid shall a) be designed as a 2.4 m wide parking stall adjacent to a 2.4 m wide access aisle where the access aisle is demarcated to indicate no parking, b) have a firm, slip-resistant and level surface, c) be clearly marked and identified by i) a vertically mounted sign, located near the centre line of each designated stall, with the centre of the sign between 1 600 to 2 500 mm from the finished surface, and ii) the International Symbol of Access painted on the pavement, d) be located near to or adjoining a barrier-free path of travel leading to the nearest barrier-free entrance, and e) be designed so that parked vehicles shall not obstruct access onto an elevated and level surface. (See Appendix A.)	3.8.3.22. Parking Stalls 14) A parking stall intended for use by persons using a wheelchair or other mobility aid shall a) be designed as a 2.4 m wide parking stall adjacent to a 2.4 m wide access aisle where the access aisle is demarcated to indicate no parking, b) have a firm, slip-resistant and level surface, c) be clearly marked and identified by i) a vertically mounted sign, located near the centre line of each designated stall, with the centre of the sign between 1 600 to 2 500 mm from the finished surface, and ii) the International Symbol of Access painted on the pavement, d) be located near to or adjoining a barrier-free path of travel leading to the nearest barrier-free entrance, and e) be designed so that parked vehicles shall not obstruct access onto an elevated and level surface. (See Appendix A.)	Sentence 3.8.2.2.(4) under ABC 2014 relocated to new Article 3.8.3.22.
3.8.2.2. Access to Parking Areas and Stall Design (See Appendix A.) 5) If adaptable and/or barrier-free dwelling units are provided, one parking stall per unit shall be provided meeting the requirements of Sentence (4).	3.8.2.5. 3.8.2.2. Access to Parking Areas, Exterior Passenger-Loading Zones and Stall Design (See Appendix Note A3.8.2.5.) 45) If adaptable and/or dwelling units or barrier-free dwelling units are provided, one parking stall per unit dwelling unit shall be provided meeting the requirements of Sentence (4) for use by persons with physical disabilities. 5) Parking stalls for use by persons with disabilities required by Sentence (2) or (4) shall be designed in accordance with Article 3.8.3.22.	New Sentence (5) cross-reference
3.8.2.3. Washrooms Required to be Barrier-Free (See Appendix A.) 1) Except as permitted by Sentence (2), all washrooms in a barrier-free path of travel shall be barrier-free in accordance with the appropriate requirements in Articles 3.8.3.8. to 3.8.3.12.	3.8.2.8. Plumbing Facilities 3.8.2.3. Washrooms Required to be Barrier-Free (See Appendix A.) 1) Except as permitted by Sentence (2), all washrooms in a barrier-free path of travel	Sentence (6) under ABC 2014 deleted and incorporated into new Sentence (5).

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	shall be barrier-free in accordance with the appropriate requirements in Articles	
2) A washroom need not conform to the requirements of Sentence (1) provided it	3.8.3.8. to	
is located	3.8.3.12. Subsection 3.8.3. (See Note A-3.8.2.8.(1) to (4).)	
a) within a suite of residential occupancy or a suite of care occupancy that has not		
been designated by Sentence 3.8.4.1.(1) to be accessible, or	2) A washroom need not conform to the requirements of Sentence (1) provided it is	
b) in an individual suite having an area less than 500 m2 and there are	located	
barrier-free washrooms on the same floor area within 45 m.	a) within a suite of residential occupancy or a suite of care occupancy that has not	
	been designated by Sentence 3.8.4.1.(13.8.1.1.(3) to be accessible, or	
3) In a building in which water closets are required in accordance with	b) in an individual suite having an area less than 500 m2 and there are	
Subsection 3.7.2., at least one barrier-free water closet shall be provided in the	barrier-free washrooms on the same floor area within 45 m.	
entrance storey, unless	(See Note A-3.8.2.8.(1) to (4).)	
a) a barrier-free path of travel is provided to barrier-free water closets elsewhere		
in the <i>building</i> , or	3) In a building in which water closets are required in accordance with Subsection	
b) the water closets required by Subsection 3.7.2. are for dwelling units only.	3.7.2., at least one <i>barrier-free</i> water closet shall be provided in the entrance <i>storey</i> ,	
	unless	
4) If alterations are made to an existing building, universal toilet rooms conforming	a) a barrier-free path of travel is provided to barrier-free water closets elsewhere in	
to Article 3.8.3.12. are permitted to be provided in lieu of facilities for persons with	the <i>building</i> , or	
physical disabilities in washrooms used by the general public.	b) the water closets required by Subsection 3.7.2. are for dwelling units	
	only. (See Note A-3.8.2.8.(1) to (4).)	
5) In addition to the requirements of Sentence (1), at least one universal toilet room		
conforming to Article 3.8.3.12. shall be provided in a regional transportation terminal.	4) HWhere alterations are made to an existing building, universal toilet rooms	
	conforming to Article 3.8.3.12. washrooms complying with Subsection 3.8.3. are	
6) If more than one water closet is provided in a washroom, a barrier-free stall shall	permitted to be provided in lieu of facilities for persons with physical disabilities in	
be provided for every 10 stalls or part thereof.	washrooms used by the general public. (See Note A-3.8.2.8.(1) to (4).)	
7) For temporary uses, such as outdoor fairs and festivals, a barrier-free stall shall	5) If more than one water closet is provided in a washroom required to be	
be provided for every 10 stalls or part thereof.	<u>barrier-free</u> , a <u>barrier-free</u> stall complying with Subsection 3.8.3. shall be provided for	
	every 10 stalls or part thereof.	
	6) Where urinals are provided in a barrier-free washroom, at least one urinal shall	
	comply with Subsection 3.8.3.	
	7) A barrier-free washroom shall be provided with a lavatory that complies with	
	Subsection 3.8.3.	
	8) Where mirrors are provided in a barrier-free washroom, at least one mirror shall	
	comply with Subsection 3.8.3.	
	9) Where drinking fountains are provided, at least one shall comply with	
	Subsection 3.8.3.	
	10) Where showers are provided in a <i>building</i> , at least one shower stall shall comply	
	with Subsection 3.8.3., except where showers are provided within	

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	a) a suite of care occupancy,	
	b) a suite of residential occupancy,	
	c) an industrial occupancy,	
	d) a business and personal services occupancy where the showers are not required for	
	provision of hygienic services related to the business, or	
	e) a mercantile occupancy.	
	11) Where a bathtub is installed in a <i>suite</i> of <i>residential occupancy</i> required to be	
	barrier-free, it shall comply with Subsection 3.8.3.	
	12) 5)In addition to the requirements of Sentence (1), at least one universal-toilet	
	room washroom conforming to Article 3.8.3.12. shall be provided in a regional	
	transportation terminal.	
	6)If more than one water closet is provided in a washroom, a barrier-free stall shall	
	be provided for every 10 stalls or part thereof.	
	13) 7) For temporary uses, such as outdoor fairs and festivals, a <i>barrier-free</i> stall shall	
	be provided for every 10 stalls or part thereof.	
3.8.3. Design Standards	3.8.3. Design Standards	Article 3.8.3.1. under ABC 2014 now covered
3.8.3.1. Accessibility Signs	3.8.2.10.3.8.3.1. Accessibility Signs and Indicators	under Articles 3.8.2.10. and 3.8.3.9.
1) Signs incorporating the international symbol of accessibility for persons with	1) Signs incorporating the international symbol of accessibility for persons with	
physical disabilities shall be installed to indicate the location of a barrier-free	physical disabilities complying with Subsection 3.8.3. shall be installed to indicate the	Sentence 3.8.3.1.(5) under ABC 2014 relocated to
entrance. (See Appendix A.)	location of a barrier-free entrance. (See Appendix A.) of	Sentence 3.8.3.9.(2).
	a) barrier-free entrances,	, ,
2) A washroom, shower, elevator or parking space designed to be barrier-free shall	b) barrier-free washrooms,	
be identified by a sign consisting of the international symbol of accessibility for	c) barrier-free showers,	
persons with physical disabilities and by appropriate graphic or written directions to	d) barrier-free elevators,	
indicate clearly the type of facility available. (See Appendix A.)	e) barrier-free parking spaces, and	
	f) facilities for persons with hearing disabilities.	
3) Facilities and services for persons with a specific disability shall be identified		
using nationally recognized symbols. (See Appendix A.)	2) Where a washroom is not designed to accommodate persons with physical	
	disabilities in a storey to which a barrier-free path of travel is required, signs shall be	
4) Accessibility signs for universal toilet rooms shall be installed in accordance with Clause (5)(b).	provided to indicate the location of barrier-free facilities.	
, men cause (2)(0).	2) A washroom, shower, elevator or parking space designed to be barrier-free shall	
5) Where tactile signage is installed, it shall	be identified by a sign consisting of the international symbol of accessibility for	
a) be not less than 60 mmhigh, raised approximately 0.7 mm above the surface,	persons with physical disabilities and by appropriate graphic or written directions to	
b) be located not more than 1 200 mm above the finished floor,	indicate clearly the type of facility available. (See Appendix A.)	
c) begin not more than 150 mm from the door or entrance,	The state of the s	
d) be contrasting in colour with the surface on which it is applied, and	3) Facilities and services for persons with a specific disability shall be identified	
e) include Braille identification by use of Braille dots not less than 1 mm in	using nationally recognized symbols. (See Appendix A.)	
relief, located directly below the tactile signage.	3 11 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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	4) Accessibility signs for universal toilet rooms shall be installed in accordance	
	with Clause (5)(b).	
	3.8.3.9. Accessibility Signs	
	1) Signs required by Article 3.8.2.10. shall incorporate the International Symbol of	
	Access or the International Symbol of Access for Hearing Loss and appropriate	
	graphical or textual information that clearly indicates the type of facilities available.	
	(See Note A-3.8.3.9.(1).)	
	25) Where tactile signage is installed, it shall	
	a) be not less than 60 mm high, raised approximately 0.7 mm above the surface,	
	b) be located not more than 1 200 mm above the finished floor,	
	c) begin not more than 150 mm from the door or entrance,	
	d) be contrasting in colour with the surface on which it is applied, and	
	e) include Braille identification by use of Braille dots not less than 1 mm in	
	relief, located directly below the tactile signage.	
3.8.3.2. Exterior Walks	3.8.3.3. 3.8.3.2. Exterior Walks	
1) Exterior walks that form part of a <i>barrier-free</i> path of travel shall	1) Exterior walks that form part of a barrier-free path of travel shall	
a) have a cross slope not more than 1:50,	a) have a cross slope not more than 1:50, have a slip-resistant, continuous and even	
b) be not less than 1 100 mm wide,	surface,	
c) have a level area conforming to Clause 3.8.3.4.(1)(c) adjacent to an entrance	b) be not less than 1 100 mm wide,	
doorway,	c) have a level area conforming to Clause 3.8.3.4.3.8.3.5.(1)(c) adjacent to an	
d) have a curb not less than 75 mm high wherever there is a vertical drop more	entrance doorway,	
than 75 mm from the walk surface and there is no wall, railing, or other	d) have a curb not less than 75 mm high wherever there is a vertical drop more	
barrier to provide protection,	than 75 mm from the walk surface and there is no wall, railing, or other	
e) have a surface not less than 1 100 mm wide of a different texture and	barrier to provide protection,	
contrasting in colour to that surrounding it, if the path of travel is level and	e) have a surface not less than 1 100 mm wide of a different texture and	
even with adjacent surfaces,	contrasting in colour to that surrounding it, if the path of travel is level and	
f) be free of obstructions for the full width of the walk to not less than	even with adjacent surfaces,	
1 980 mm high, except that handrails are permitted to project not more than	f) be free of obstructions for the full width of the walk to not less than	
100 mm from either or both sides into the clear area, and	1 980 mm high, except that handrails are permitted to project not more than	
g) be designed as a ramp where the slope of the walk is more than 1 in 20.	100 mm from either or both sides into the clear area, and	
3.8.3.3. Doorways and Doors	g) be designed as a ramp where the slope of the walk is more than 1 in 20. 3.8.3.6. 3.8.3.3.Doorways and Doors	ABC 2014 Sentences (5) and (6) deleted/relocated
1) Every doorways that is located in a <i>barrier-free</i> path of travel shall have a clear	1) Except where stated otherwise, this Article applies to swinging and sliding doors.	to new Article 3.8.2.7., "Power Door Operators."
width not less than 850 mm when the door is in the open position. (See Appendix A.)	2) 1) Except where stated otherwise, this Article applies to swinging and sliding doors. 2) 1) Every Except as required in Article 3.8.5.2., every doorway that is located in a	to new Article 5.6.2.7., Power Door Operators.
width not less than 650 mm when the door is in the open position. (see Appendix A.)	barrier-free path of travel shall have a clear width not less than 850 mm when the	ABC 2014 Sentence 3.8.1.2.(6) now Sentence (15)
2) Every doorway into rooms within a <i>suite</i> of <i>residential occupancy</i> shall have	door is	under this Article (Doorways and Doors).
a clear width not less than 850 mm when the door is in the open position. (See	in the open position. (See Appendix ANote A-3.8.3.6.(2).)	ander this Article (Door ways and Doors).
Appendix A.)	3) 2)Every doorway into rooms Doorways in a path of travel to at least one bathroom	
, repension, m	within a <i>suite</i> of <i>residential occupancy</i> shall have a clear width not less than 850 mm	
3) Door operating devices shall be of a design which does not require tight	when	
o, 200. Specialing devices shall be of a design which does not require light		

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grasping and twisting of the wrist as the only means of operation. (See Appendix A.)	the door is doors are in the open position. (See Appendix ANote A-3.8.3.6.(3).)	
8. sep 6 see	4) 3)Door-operating devices shall be of a design which does not require tight grasping	
4) A threshold for a doorway referred to in Sentences (1) or (2) shall be not more	and twisting of the wrist as the only means of operation. (See Appendix A.)	
than 13 mm higher than the finished floor surface and shall be bevelled to facilitate	a) comply with Clause 3.8.3.8.(1)(b), and	
the	b) be operable at a height between 900 mm and 1 100 mm above the floor.	
passage of wheelchairs.	(See Note A-3.8.3.6.(4).)	
5) Except as provided in Sentences (6) and (12), every door that provides a	5) 4)A threshold for a doorway referred to in Sentences (12) orand (23) shall be not	
barrier-free path of travel through an entrance referred to in Article 3.8.1.2.,	more than 13 mm higher than the finished floor surface and shall be bevelled	
including	to facilitate the passage of wheelchairs.	
the interior doors of a vestibule where provided, shall be equipped with a power		
door	6) Power door operators required by Sentences 3.8.2.7.(1) and 3.8.5.2.(2) shall	
operator that allows persons to activate the opening of the door from either side if	a) activate automatically or through the use of controls that	
the entrance serves	i) are located in a barrier-free path of travel,	
a) a hotel,	ii) are marked with the International Symbol of Access,	
b) a building of Group B, Division 2 major occupancy, or	iii) are located clear of the door swing and no more than 1	
c) a building of Group A, Group B, Division 3, Group D or E major occupancy	500 mm from that door swing,	
more than 500 m2 in building area.	iv) comply with Subclause 3.8.3.8.(1)(a)(ii),	
(See Appendix A.)	v) are operable from a height between 150 mm and 300 mm as	
	well as between 900 mm and 1 100 mm above the floor, and	
6) The requirements of Sentence (5) do not apply to an individual suite having	vi) are operable by touching or approaching any part of their	
an area less than 500 m2 in a building having only suites of assembly, care, business	surface with a fist, arm or foot, and	
and personal services or mercantile occupancy if the suite is completely separated	b) unless equipped with safety sensors,	
from the remainder of the <i>building</i> so that there is no access to the remainder of the	i) fully open the door in not less than 3 s, and	
building.	ii) require a force not more than 65 N to stop movement of	
	the door.	
7) Except as permitted by Sentence (8) and except for a door with a power door	(See Note A-3.8.3.6.(6) and (7).)	
operator, a closer for a door in a barrier-free path of travel shall be designed to		
permit	7) A cane-detectable <i>quard</i> shall be installed on the hinged side of power-assisted	
the door to open when the force applied to the handle, push plate or latch-releasing	doors that swing open into the path of travel. (See Note A-3.8.3.6.(6) and (7).)	
device is not more than		
a) 38 N in the case of an exterior door, or	5) Except as provided in Sentences (6) and (12), every door that provides a	
b) 22 N in the case of an interior door.	barrier-free path of travel through an entrance referred to in Article 3.8.1.2., including	
0) 6	the interior doors of a vestibule where provided, shall be equipped with a power door	
8) Sentence (7) does not apply to a door at the entrance to a <i>dwelling unit</i> , or where	operator that allows persons to activate the opening of the door from either side if	
greater forces are required in order to close and latch the door against the prevailing	the entrance serves	
difference in air pressure on opposite sides of the door. (See Appendix A.)	a) a hotel,	
O) Freeze for a document to a discribing contract to a discribing contr	b) a building of Group B, Division 2 major occupancy, or	
9) Except for a door at the entrance to a <i>dwelling unit</i> , a closer for an interior door	c) a building of Group A, Group B, Division 3, Group D or E major occupancy	
in a barrier-free path of travel shall have a closing period of not less than 3 s	more than 500 m2 in building area.	
measured	(See Appendix A.)	
from when the door is in an open position of 70° to the doorway, to when the door	6) The requirements of Centance (E) do not apply to an individual suite having	
	6) The requirements of Sentence (5) do not apply to an individual suite having	

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reaches a point 75 mm from the closed position, measured from the leading edge of	an area less than 500 m2 in a building having only suites of assembly, care, business	
the	and personal services or mercantile occupancy if the suite is completely separated	
latch side of the door. (See Appendix A.)	from the remainder of the <i>building</i> so that there is no access to the remainder of the	
	building.	
10) Unless equipped with a power door operator or within a suite, a door in a	87) Except as permitted by provided in Sentence (89) and except for a door with a	
barrier-free path of travel shall have a clear space on the latch side extending the	power door operator <u>complying with Sentence (6)</u> , <u>when unlatched</u> , a closer for a	
height of the doorway and not less than	door in a barrier-free path of travel shall be designed to permit	
a) 600 mm beyond the edge of the door opening if the door swings toward	the door to open when the force applied to the handle, push plate or latch-releasing	
the approach side, and	device is not more than	
b) 300 mm beyond the edge of the door opening if the door swings away from	a) 38 N in the case of an exterior <u>swinging</u> door, or	
the approach side. (See Appendix A.)	b) 22 N in the case of an interior <u>swinging</u> door <u>, or</u>	
	c) 22 N in the case of a sliding door.	
11) A vestibule located in a barrier-free path of travel shall be arranged to allow		
the movement of wheelchairs between doors and shall provide a distance between 2	9) 8) Sentence (78) does not apply to a door at the entrance to a dwelling unit, or	
doors in series of not less than 1 200 mm plus the width of any door that swings into	where greater forces are required in order to close and latch the door against the	
the space in the path of travel from one door to another.	prevailing difference in air pressure on opposite sides of the door. (See Appendix	
	ANote A-3.8.3.6.(9).)	
12) Only the active leaf in a multiple leaf door in a barrier-free path of travel need		
conform to the requirements of this Article.	10) 9) Except for a door at the entrance to a dwelling unit, a closer for an interior door	
	in a barrier-free path of travel shall have a closing period of not less than 3 s	
13) Except as provided in Clause 3.8.3.4.(1)(c), the floor surface on each side of a	measured from when the door is in an open position of 70° to the doorway, to when	
door in a barrier-free path of travel shall be level within a rectangular area	the door reaches a point 75 mm from the closed position, measured from the leading	
a) as wide as the door plus the clearance required on the latch side by Sentence 3.8.3.3.(10), and	edge of the latch side of the door. (See Appendix A Note A-3.8.3.6.(10).)	
b) whose dimension perpendicular to the closed door is not less than the width	11) 10) Unless equipped with a power door operator or within a suite, a complying	
of the barrier-free path of travel but need not exceed 1 500 mm.	with Sentence (6), a swinging door in a barrier-free path of travel shall have a clear	
	space	
	on the latch side extending the height of the doorway and not less than	
	a) 600 mm beyond the edge of the door opening if the door swings toward the	
	approach side, and	
	b) 300 mm beyond the edge of the door opening if the door swings away from	
	the approach side.	
	(See AppendixNote A-3.8.3.6.(11).)	
	12) 11) A vestibule located in a barrier-free path of travel shall be arranged to allow	
	the movement of wheelchairs between doors and shall provide a distance between 2	
	doors in series of not less than 1 200 mm plus the width of any door that swings into	
	the space in the path of travel from one door to another.	
	13) 12)Only the active leaf in a multiple -leaf door in a barrier-free path of travel need	
	conform to the requirements of this Article.	
	'	

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	14) 13) Except as provided in Clause 3.8.3.4.3.8.3.5.(1)(c), the floor surface on each side of a door in a <i>barrier-free</i> path of travel shall be level within a rectangular area a) as wide as the door plus the clearance required on the latch side by Sentence 3.8.3.3.(10(11), and b) whose dimension perpendicular to the closed door is not less than the width of the <i>barrier-free</i> path of travel but need not exceed 1 500 mm. 15) If an entrance is equipped with a security system, both visual and audible signals shall be used to indicate when the door lock is released.	
3.8.3.3. Doorways and Doors 5) Except as provided in Sentences (6) and (12), every door that provides a barrier-free path of travel through an entrance referred to in Article 3.8.1.2., including the interior doors of a vestibule where provided, shall be equipped with a power door operator that allows persons to activate the opening of the door from either side if the entrance serves a) a hotel, b) a building of Group B, Division 2 major occupancy, or c) a building of Group A, Group B, Division 3, Group D or E major occupancy more than 500 m2 in building area. (See Appendix A.) 6) The requirements of Sentence (5) do not apply to an individual suite having an area less than 500 m2 in a building having only suites of assembly, care, business and personal services or mercantile occupancy if the suite is completely separated from the remainder of the building so that there is no access to the remainder of the building 12) Only the active leaf in a multiple leaf door in a barrier-free path of travel need conform to the requirements of this Article.	3.8.2.7. Power Door Operators 5) 1) Except as provided in Sentences (6) and (12)(2) and (3), every door that provides a barrier-free path of travel through an entrance referred to in Article 3.8.1.2.3.8.2.2., including the interior doors of a vestibule where provided, shall be equipped with a power door operator that complies with Subsection 3.8.3. and allows persons to activate the opening of the door from either side if in the intended direction of travel, where the entrance serves a) a hotel, b) a building of Group B, Division 2 major occupancy, or c) a building of Group A, Group B, Division 3, Group D or E major occupancy more than 500 m2 in building area. (See Appendix A.) 6)2) The requirements of Sentence (51) do not apply to an individual suite having an area less than 500 m2 in a building having only suites of assembly, care, business and personal services or mercantile occupancy if the suite is completely separated from the remainder of the building so that there is no access to the remainder of the building. 12) 3) Only the active leaf in a multiple leaf door in a barrier-free path of travel need conform to the requirements of this Article.	New Article 3.8.2.7. formed from Sentences (5), (6) and (12) of Article 3.8.3.3.
3.8.3.4. Ramps 1) A ramp located in a barrier-free path of travel shall a) have a clear width not less than 870 mm (see A-3.4.3.4. in Appendix A), b) have a slope not more than 1 in 12 (see Appendix A), c) have a level area not less than 1 500 by 1 500 mm at the top and bottom and at intermediate levels of a ramp leading to a door, so that on the latch side the level area extends not less than i) 600 mm beyond the edge of the door opening where the door opens toward the ramp, or	3.8.3.5. 3.8.3.4.Ramps 1) A ramp located in a barrier-free path of travel shall a) have a clear width not less than 870 mm (see Note A-3.4.3.4. in Appendix A), b) have a slope not more than 1 in 12 (see Note A-3.8.3.5.(1)(b) Appendix A), c) have a level area not less than 1 500 by 1 500 mm at the top and bottom and at intermediate levels of a ramp leading to a door, so that on the latch side the level area extends not less than i) 600 mm beyond the edge of the door opening where the door opens towards the ramp, or	

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ii) 300 mm beyond the edge of the door opening where the door opens away from the ramp (see Appendix A), d) have a level area not less than 1 200 mm long and at least the same width as the ramp at intervals not more than 9 m along its length, e) except as permitted by Sentence (2), be equipped with handrails and guards conforming to Articles 3.4.6.5. and 3.4.6.6., f) have a level area not less than 1 200 by 1 200 mm where a ramp makes a 90° turn, and g) have a level area not less than 1 500 by 1 500 mm where a ramp makes a 180° turn. 2) The requirement for handrails in Clause (1)(e) need not apply to a ramp serving as an aisle for fixed seating. 3) Floors or walks in a barrier-free path of travel having a slope steeper than 1 in 20 shall be designed as ramps.	ii) 300 mm beyond the edge of the door opening where the door opens away from the ramp (see Note A-3.8.3.5.(1)(c) Appendix A), d) have a level area not less than 1 200 mm long and at least the same width as the ramp at intervals not more than 9 m along its length, e) except as permitted byprovided in Sentences (2) and (3), be equipped with handrails and guards conforming to Articles 3.4.6.5. and 3.4.6.6., except that they shall be not less than 865 mm and not more than 965 mm high, f) be equipped with guards conforming to Article 3.4.6.6., gf) have a level area not less than 1 200 by 1 200 mm where a ramp makes a 90° turn, and hg) have a level area not less than 1 500 mm by 1 500 mm wide that extends to not less than the outer edge of each ramp section, where a ramp makes a 180° turn. 2) Handrails installed in addition to required handrails need not comply with the height requirements stated in Clause (1)(e). 32) The requirement for handrails in Clause (1)(e) need not apply to a ramp serving as an aisle for fixed seating. 4) The surfaces of ramps and landings shall a) be hard or resilient where the ramp is steeper than 1 in 15 (see Note A-3.8.3.5.(4)(a)), b) have a cross slope no steeper than 1 in 50, and c) where exposed to water, be designed to drain. 5) Ramps and landings not at grade or adjacent to a wall shall have edge protection consisting of a) a curb not less than 75 mm high, or b) a raised barrier or rail located not more than 100 mm from the ramp or landing surface.	Comments
	63) Floors or walks in a <i>barrier-free</i> path of travel having a slope steeper than 1 in 20 shall be designed as ramps.	
3.8.3.5. Passenger-elevating devices 1) Where passenger elevators are used in a <i>barrier-free</i> path of travel, features described in Appendix E of ASME A17.1/CSA B44, "Safety Code for Elevators and Escalators," shall be included in their design and construction.	3.8.3.7. 3.8.3.5. Passenger-elevating devices Elevating Devices 1) Where passenger elevators are used in a barrier-free path of travel, features described in Appendix E of ASME A17.1/CSA B44, "Safety Code for Elevators and Escalators," shall be included in their design and construction.	
2) A platform-equipped passenger-elevating device used in a <i>barrier-free</i> path of travel shall conform to the elevating devices regulations made pursuant to the Safety Codes Act.	2) A platform-equipped passenger-elevating device used in a <i>barrier-free</i> path of travel shall conform to the elevating devices regulations Elevating Devices Codes Regulation made pursuant to the Safety Codes Act.	

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3.8.3.6. Spaces in Seating Area	3.8.3.21. 3.8.3.6. Spaces in Seating Area	
1) Spaces designated for use by persons using wheelchairs referred to in	1) Spaces designated for use by persons using wheelchairs referred to in	
Sentence 3.8.2.1.(3) shall be	Sentence 3.8.2. <u>3</u> 1 .(3) shall be	
a) clear and level, or level with easily removable seating,	a) clear and level, or level with easily removable seating <u>seats</u> ,	
b) not less than 900 mm wide and 1 525 mm long to allow a person using a	b) not less than 900 mm wide and 1 525 mm long to allow a person using a	
wheelchair to enter from a side approach and 1 220 mm long where the	wheelchair to enter from a side approach and 1 220 mm long where the	
person using a wheelchair enters from the front or rear of the space,	person using a wheelchair enters from the front or rear of the space,	
c) arranged so that at least 2 designated spaces are side by side,	c) arranged so that at least 2 designated spaces are side by side,	
d) located adjoining a barrier-free path of travel without infringing on egress	d) located adjoining a barrier-free path of travel without infringing on egress	
from any row of seating or any aisle requirements, and	from any row of seating or any aisle requirements, and	
e) situated, as part of the designated seating plan, to provide a choice of	e) situated, as part of the designated seating plan, to provide a choice of	
viewing locations and a clear view of the event taking place.	viewing locations and a clear view of the event taking place.	
3.8.3.7. Assistive Listening Devices	3.8.3.18. 3.8.3.7. Assistive Listening Devices	Article 3.8.3.7. under ABC 2014 now covered
(See Appendix A.)	(See Note A-3.8.3.18. Appendix A.)	under Articles 3.8.3.18. and 3.8.2.9.
1) Except as permitted by Sentence (2), in a building of assembly occupancy, all	1) Except as permitted by provided in Sentence (2), all assembly areas with an area of	
assembly areas with an area of more than 100 m² shall be equipped with an assistive	more than 100 m ² shall be equipped with an assistive listening system encompassing	
listening system encompassing the entire seating area.	assistive listening systems required by Article 3.8.2.9. shall encompass the entire	
2) If the assistive listening system required by Sentence (1) is an induction loop	seating area.	
system, only half the seating area in the room need be encompassed.		
	2) If thean assistive listening system required by Sentence (1) referred to in Article	
	3.8.2.9. is an induction loop system, only half the seating area in the room need be	
	encompassed.	
	3.8.2.9. Assistive Listening Devices	
	1) In a <i>building</i> of <i>assembly occupancy</i> , all classrooms, auditoria, meeting rooms and	
	theatres with an area of more than 100 m ² shall be equipped with an assistive	
	listening system complying with Subsection 3.8.3.	
3.8.3.8. Water Closet Stalls	3.8.3.11. 3.8.3.8. Water Closet Stalls	
1) A water closet stall or enclosure in a washroom required by Article 3.8.2.3. to	1) A water-Water closet stall or enclosure in a washroom stalls and enclosures	
be barrier-free shall	required by Article 3.8.2.3. to be barrier-free Sentence 3.8.2.8.(5) shall	Note Sentence 3.8.3.8.(2) under ABC 2014 deleted
a) be designed to allow a person using a wheelchair to turn in an open space	a) be designed to allow a person using a wheelchair to turn in an open space	and integrated into requirements of Sentence (1)
that has a diameter of not less than 1 500 mm,	that has a diameter of not less than 1 500 mm,	()
b) be equipped with a door that	b) have a clear floor space of 1 500 mm by 1 500 mm in front of the accessible	
i) can be latched from the inside with a closed fist,	stall,	
ii) provides a clear opening of not less than 800 mm wide with	c) b) be equipped with a door that	
the door in the open position,	i) can be latched from the inside with a closed	
iii) swings outward, unless sufficient room is provided	fist_mechanism conforming to Clause 3.8.3.8.(1)(b), •	
within the stall or enclosure to allow the door to be closed	ii) is aligned with either the transfer space adjacent to the	
without interfering with the person using a wheelchair (see	water closet or with a clear floor space not less than	
Appendix A),	1 500 mm by 1 500 mm within the stall,	
iv) is provided with a door pull on the inside not less than	iii) ii) provides a clear opening of not less than 800850 mm	
140 mm long located so that its midpoint is not less than	wide with the door in the open position when it is open,	

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200 mm and not more than 300 mm from the hinged side	iv) is self-closing so that, when at rest, the door is ajar by not	Comments
of the door and not less than 900 mm and not more than	more than 50 mm beyond the jamb,	
1 000 mm from the floor (see Appendix A), and	v) iii)swings outward, unless there is sufficient room is	
v) is provided with a door pull on the outside, near the latch	provided floor space within the stall-or enclosure to allow	
side of the door,	the door to be closed without interfering with the person	
c) have a water closet located so that its centre line is not less than 460 mm and	using a wheelchair (see Appendix A-for the door to swing	
not more than 480 mm from an adjacent side wall on one side,	inward in addition to a clear floor space of at least 800 mm	
d) be equipped with knurled finished grab bars as described in Sentence (2),	by 1 350 mm (see Note A-3.8.3.11.(1)(c)(v)),	
e) be equipped with a coat hook mounted not more than 1 200 mm above the	vi) iv) where the door swings outward, is provided with a	
floor on a side wall and projecting not more than 50 mm from the wall, and	horizontal, D-shaped, visually contrasting door pull on the	
f) have a clearance of not less than 1 700 mm between the outside of the stall	inside not less than 140 mm long located soon the inside	
face and the face of an in-swinging washroom door and 1 400 mm between	such that its midpoint is not less than 200 mm and not	
the outside of the stall face and any wall-mounted fixture.	more than to 300 mm from the hinged side of the door and	
the outside of the stall face and any wall-mounted fixture.	not less than 900800 mm and not more than to 1 000 mm	
2) A grade have required by Combance (1) shall		
2) A grab bar required by Sentence (1) shall	from above the floor (see Appendix ANote	
a) be mounted	A-3.8.3.11.(1)(c)(vi)), and	
i) horizontally on the wall beside the water closet, and be not	vii) v)is provided with a horizontal, D-shaped, visually	
less than 1 200 mm in length, located with its centre line	contrasting door pull not less than 140 mm long located on the	
between 300 mm and 330 mm above the height of the water	outside , near such that its midpoint is 120 mm to 220 mm	
closet seat and with its midpoint located in line with the	from the latch side of and 800 mm to 1 000 mm above the	
front edge of the water closet, or	door floor,	
ii) on the wall beside the water closet and have a horizontal	d) e) have a water closet located so that its the distance between the centre line of the	
portion 600 mm in length with a 600 mm extension	fixture and the wall on one side is not less than 460 mm and not more	
extending upwards to the front and away from the	than 480 mm from an adjacent side wall on one side to 480 mm,	
horizontal portion at an angle of 60° to the horizontal, with	e) be equipped with an L-shaped grab bar that	
the centre line of the horizontal portion between 300 mm	i) is mounted on the side wall closest to the water closet,	
and 330 mm above the height of the water closet seat, and	ii) has horizontal and vertical components not less than	
the intersection of the horizontal and sloping portions	760 mm long mounted with the horizontal component	
located in line with the front edge of the water closet,	750 mm to 850 mm above the floor and the vertical	
b) be mounted horizontally on the wall behind the water closet, if the water	component 150 mm in front of the water closet (see	
closet does not have an attached water tank, centred on the toilet bowl, and	Note A-3.8.3.11.(1)(e)(ii)), and	
be not less than 600 mm in length,	iii) complies with Article 3.7.2.8.,	
c) be installed to resist a load not less than 1.3 kN applied vertically or	<u>f</u>) d)be equipped with knurled finished grab bars as described in Sentence	
horizontally,	(2), be equipped with either one grab bar at least 600 mm long and centred over the	
d) be not less than 30 mm and not more than 40 mm in diameter, and	water closet, or two grab bars at least 300 mm long and located either side of the	
e) have a clearance not less than 35 mm and not more than 45 mm from the	<u>flush valve, that</u>	
wall.	i) conform to Article 3.7.2.8.,	
(See Appendix A.)	ii) are mounted on the rear wall, and	
	iii) are mounted at the same height as the grab bar on the side	
	wall or 100 mm above the top of the attached water tank, if	
	applicable,	
	g) e) be equipped with a coat hook mounted not more than 1 200 mm above the floor	
	on a side wall and projecting not more than 50 mm from the wall, and	

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	h) f)have a clearance of not less than 1 700 mm between the outside of the stall face	
	and the face of an in-swinging washroom door and 1 400 mm between the outside of	
	the stall face and any wall-mounted fixture.be equipped with a toilet paper dispenser	
	mounted on the side wall closest to the water closet such that	
	i) the bottom of the dispenser is 600 mm to 800 mm above	
	the floor, and	
	ii) the closest edge of the dispenser is 300 mm from the front of	
	the water closet.	
	2) A grab bar required by Sentence (1) shall	
	a) be mounted	
	i) horizontally on the wall beside the water closet, and be not	
	less than 1 200 mm in length, located with its centre line	
	between 300 mm and 330 mm above the height of the water	
	closet seat and with its midpoint located in line with the	
	front edge of the water closet, or	
	ii) on the wall beside the water closet and have a horizontal	
	portion 600 mm in length with a 600 mm extension	
	extending upwards to the front and away from the	
	horizontal portion at an angle of 60° to the horizontal, with	
	the centre line of the horizontal portion between 300 mm	
	and 330 mm above the height of the water closet seat, and	
	the intersection of the horizontal and sloping portions	
	located in line with the front edge of the water closet,	
	b) be mounted horizontally on the wall behind the water closet, if the water	
	closet does not have an attached water tank, centred on the toilet bowl, and	
	be not less than 600 mm in length,	
	c) be installed to resist a load not less than 1.3 kN applied vertically or	
	horizontally,	
	d) be not less than 30 mm and not more than 40 mm in diameter, and	
	e) have a clearance not less than 35 mm and not more than 45 mm from the	
	wall.	
	(See Appendix A.)	
N/A	3.8.3.8. Controls	New Article
	1) Controls described in this Section shall	
	a) where located in or adjacent to a barrier-free path of travel, and unless	
	otherwise stated,	
	i) be mounted 400 mm to 1 200 mm above the floor,	
	ii) be adjacent to and centered on either the length or the width	
	of a clear floor space of 1 350 mm by 800 mm, and	
	b) be operable	

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	i) with one hand in a closed fist position, without requiring	
	tight grasping, pinching with fingers, or twisting of the	
	wrist, and	
	ii) unless otherwise stated, with a force not more than 22 N.	
3.8.3.9. Water Closets	3.8.3.13. 3.8.3.9. Water Closets	
1) A water closet for a person with physical disabilities shall	1) A water closet for a person with physical disabilities shall	
a) be equipped with a seat located at not less than 400 mm and not more than 460	a) be equipped with a seat located at not less than 400 mm and not more than 430	
mm above the floor,	mm to 460	
b) be equipped with hand-operated flushing controls that are easily accessible	mm above the floor,	
to a wheelchair user or be automatically operable,	b) <u>flush automatically or</u> be equipped with <u>hand-operated</u> a flushing controls that are	
c) be equipped with a seat lid or other back support, and	easily	
d) not have a spring-actuated seat.	accessible to a wheelchair user or be automatically operable, control that	
(See Appendix A.)	i) is located 500 mm to 900 mm above the floor,	
	ii) is located no more than 350 mm from the transfer side, and	
	iii) complies with Clause 3.8.3.8.(1)(b),	
	c) be equipped with a seat lid or other back support, and	
	d) notwhere it has a tank, have a spring actuated seat, securely attached tank top.	
	(See Appendix A Note A-3.8.3.13.(1).)	
3.8.3.10. Urinals	3.8.3.14. 3.8.3.10. Urinals	
1) If urinals are provided in a barrier-free washroom, at least one urinal shall be	1) Urinals described in Sentence 3.8.2.8.(6) shall	
a) wall mounted, with the rim located between 488 mm and 512 mm above	a) If urinals are provided in a barrier-free washroom, at least one urinal shall bea) wall	
the floor, or	-mounted, with the rimopening of the basin located	
b) floor mounted, with the rim level with the finished floor.	between 488 mm and 512not more than 430 mm above the floor, or	
	b) floor mounted, with the rim level with the finished floor.be adjacent to an	
2) The urinal described in Sentence (1) shall have	accessible route,	
a) a clear width of approach of 800 mm centred on the urinal,	c) 2)The urinal described in Sentence (1) shall havea) a clear width of approach of 800	
b) no step in front, and	mm centred on the urinal and unobstructed by privacy screens,	
c) installed on each side a vertically mounted grab bar that is not less than	d) b)have no step in front of it, and	
300 mm long, with its centre line 1 000 mm above the floor, and located not	e) have a flush control that	
more than 380 mm from the centre line of the urinal.	i) is automatic, or	
(See Appendix A.)	ii) complies with Clause 3.8.3.8.(1)(b) and is located 900 mm to 1 100 mm above the	
	floor, and	
	f) c)installed on each side have a vertically mounted grab bar installed on each side	
	that	
	i) complies with Article 3.7.2.8.,	
	ii) is not less than 300600 mm long, with its centrelinecentre line 1 000 mm above the	
	floor, and	
	iii) is located not more than 380 mm from the centreline centre line of the urinal.	
	(See Appendix A.)	
3.8.3.11. Lavatories	3.8.3.15. 3.8.3.11. Lavatories and Mirrors	
1) A barrier-free washroom shall be provided with a lavatory that	1)-A barrier-free washroom shall be provided with a lavatory that Lavatories required	
	by Sentence 3.8.2.8.(7) shall	

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a) is located so that the distance between the centre line of the lavatory and the side	a) be equipped with faucets complying with Sentence 3.7.2.3.(4),	
wall is not less than 460 mm,	b) a)isbe located so that the distance between the centre line of the lavatory and	
b) has a rim height not more than 865 mm above the floor,	theany side wall is not less than 460 mm,	
c) has a clearance beneath the lavatory not less than	c) b)hashave a rim height not more than 865 mm above the floor,	
i) 760 mm wide,	d) c)hashave a clearance beneath the lavatory not less than	
ii) 735 mm high at the front edge,	i) 760 mm wide,	
iii) 685 mm high at a point 205 mm back from the front edge, and	ii) 735 mm high at the front edge,	
iv) 230 mm high over the distance from a point 280 mm to a point 430 mm back from	iii) 685 mm high at a point 205 200 mm back from the front edge, and	
the front edge	iv) 230 mm high over the distance from a point 280 mm to a point 430 mm back from	
(see Appendix A),	the front edge,	
d) has insulated pipes where they would otherwise present a burn hazard	(see Appendix A), Note A-3.8.3.15.(1)(d))	
(see Appendix A),	e) d)hashave insulated water supply and drain pipes where they would otherwise	
e) has a soap dispenser located close to the lavatory, not more than 1 200 mm above	present a burn hazard (see Appendix Athese pipes are exposed	
the floor and accessible to persons in wheelchairs, and	(see Note A-3.8.3.15.(1)(e)),	
f) has a towel dispenser or other hand-drying equipment located close to the	<u>f</u>) <u>e)has</u> have a soap dispenser <u>that</u>	
lavatory, not more than 1 200 mm above the floor in an area that is accessible to	i) is automatic, or	
persons in wheelchairs.	ii) complies with Clause 3.8.3.8.(1)(b) and is located-close to the lavatory, not more	
	than 1-200100 mm above the floor and accessible to persons in wheelchairs, within	
2) If mirrors are provided in a <i>barrier-free</i> washroom, at least one mirror shall be	500 mm from the front of the lavatory (see Note A-3.8.3.15.(1)(f)), and	
a) mounted with its bottom edge not more than 1 000 mm above the floor, or	g) f)hashave a towel dispenser or other hand-drying equipment located close to the	
b) be inclined to the vertical to be usable by a person in a wheelchair.	lavatory, not more than 1 200 mm above the floor in an area that is accessible to	
	persons in wheelchairs.	
	2) If mirrors are provided in a barrier-free washroom, at least one mirror Mirrors	
	required by Sentence 3.8.2.8.(8) shall be	
	a) mounted with itstheir bottom edge not more than 1 000 mm above the floor, or	
	b) befixed in an inclined to the vertical position so as to be usable by a person in a	
	wheelchair.	
3.8.3.12. Universal Toilet Rooms	3.8.3.12. Universal Toilet Rooms Washrooms	
(See Appendix A.)	(See Appendix A. Note A-3.8.3.12.)	
1) A universal toilet room shall	1) A universal toilet roomwashroom shall	
a) be served by a barrier-free path of travel,	a) be served by a barrier-free path of travel,	
b) have a door capable of being locked from the inside and released from the	b) have a door capable of being locked from the inside and released from the outside	
outside in case of emergency and having	in case of emergency and having complying with Article 3.8.3.6. that	
i) a latch-operating mechanism that is operable with a closed	i) <u>has</u> a latch-operating mechanism that is operable with a closed fist, located not less	
fist, located not less than 900 mm and not more than	than 900 mm and not more than to 1 000 mm above the floor that complies with	
1 000 mm above the floor,	Clause 3.8.3.8.(1)(b) and is capable of being locked from the inside, and released from	
ii) if it is an outward swinging door, a door pull not less than	the outside in case of emergency, and	
140 mm long located on the inside so that its midpoint is	ii) if it is an outward swinging door that is not self-closing, has a door pull not less	
not less than 200 mm and not more than 300 mm from the	than 140 mm long located on the inside so that its midpoint is not less than 200 mm	
hinged side of the door and not less than 900 mm and not	and not more than 300 mm from the hinged side of the door and not less than 900	
more than 1 000 mm above the floor (see A-3.8.3.8.(1)(b)(iv)	mm and not more than 1 000 mm above the floor (see Note A-3.8.3.11.(1)(c)(vi)A-	
in Appendix A), and	3.8.3.8.(1)(b)(iv) in Appendix A), and	

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iii) if it is an outward swinging door, a door closer, spring	iii) if it is an outward swinging door, a door closer, spring hinges or gravity hinges, so	
hinges or gravity hinges, so that the door closes	that the door closes automatically,	
automatically,	c) have one lavatory conforming to Article 3.8.3.11.3.8.3.15.,	
c) have one lavatory conforming to Article 3.8.3.11.,	d) have one water closet conforming to the requirements of Article 3.8.3.9.3.8.3.13.	
d) have one water closet conforming to the requirements of Article 3.8.3.9.	and Clause 3.8.3.11.(1)(d), with a clear floor space at least 900 mm wide that is	
that has a clearance to the walls of	parallel and adjacent to the open side of the water closet	
i) not less than 285 mm and not more than 305 mm on one	that has a clearance to the walls of	
side, and	i) not less than 285 mm and not more than 305 mm on one side, and	
ii) not less than 875 mm on the other side,	ii) not less than 875 mm on the other side,	
e) have grab bars conforming to Clause 3.8.3.8.(1)(d),	e) have grab bars conforming to Clauses 3.8.3.8.(1)(d) 3.8.3.11.(1)(e) and (f),	
f) have no internal dimension between the walls that is less than 1 700 mm,	f) have no internal dimension between the walls that is less than 1 700 mm,	
g) have a coat hook conforming to Clause 3.8.3.8.(1)(e) and a shelf located not	fg) have a coat hook conforming to Clause 3.8.3.11.(1)(g)3.8.3.8.(1)(e) and a shelf	
more than 1 200 mm above the floor,	located not more than 1 200 mm above the floor,	
h) be designed to permit a wheelchair to back in alongside the water closet in	g) have a toilet paper dispenser conforming to Clause 3.8.3.11.(1)(h),	
the space referred to in Subclause (d)(ii), and	h) be designed to permit a wheelchair to back in alongside the water closet in the	
i) be designed to permit a wheelchair to turn in an open space not less than	space referred to in Subclause (d)(ii), unless a counter is provided, have a shelf	
1 500 mm in diameter.	located not more than 1 200 mm above the floor, and	
	i) be designed to permit a wheelchair to turn in an open space not less than 1 500	
	mm in diameter.	
3.8.3.13. Showers	3.8.3.16. 3.8.3.13. Showers	
1) Except as provided in Sentence (2), if showers are provided in a barrier-free path	1) Except as provided in Sentence (2), if showers are provided in a barrier-free path of	
of travel, at least one shower stall shall be <i>barrier-free</i> and shall	travel, at least one shower stall shall be barrier-free and shall Showers required by	
a) be not less than 1 500 mm wide and 900 mm deep,	Sentence 3.8.2.8.(10) shall	
b) have a clear floor space at the entrance to the shower, not less than 900 mm	a) be not less than 1 500 mm wide and 900 mm deep,	
deep and the same width as the shower, except that fixtures are permitted to	b) have a clear floor space at the entrance to the shower, that is not less than	
project into that space provided they do not restrict access to the shower	900 mm deep and the same width as the shower, except that fixtures are	
(see Appendix A),	permitted to project into that space provided they do not restrict access to	
c) have a slip-resistant floor surface,	the shower (see Appendix A)Note A-3.8.3.16.(1)(b)),	
d) have a bevelled threshold not more than 13 mm higher than the finished	c) have no doors or curtains that obstruct the controls or the clear floor space	
floor,	at the entrance to the shower,	
e) have a hinged seat that is not spring-loaded or a fixed seat that is	d) e)have a slip-resistant floor surface,	
i) not less than 450 mm wide and 400 mm deep,	e) dhave a bevelled threshold not more than 13 mm higher than the finished	
ii) mounted approximately 450 mm above the floor, and	floor, and where it is higher than 6 mm, beveled to a slope no steeper than 1 in	
iii) designed to carry a minimum load of 1.3 kN,	<u>2 (50%),</u>	
f) have a horizontal or L-shaped grab bar with a knurled finish conforming to	f) have 2 grab bars that	
Clauses 3.8.3.8.(2)(c), (d) and (e) that is	i) conform to Sentence 3.7.2.8.(1),	
i) not less than 900 mm long located on the wall 100 mm from	ii) one of which is not less than 1 000 mm long and located	
the back of the seat,	vertically on the side wall 50 mm to 80 mm from the	
ii) mounted between 750 mm and 850 mm above the floor, and	adjacent clear floor space, with its lower end 600 mm to	
iii) located on the wall opposite the entrance to the shower so	650 mm above the floor, and,	
that not less than 300 mm of its length is at one side of the	iii) one of which is L-shaped and located on the wall opposite the	
seat,	entrance to the shower, with a horizontal member not less	
(see Appendix A,)	than 1 000 mm long mounted 750 mm to 870 mm above the	

g) have a pressure-equalizing or thermostatic-mixing valve controlled by a lever or other device operable with a closed fist from the setted position of both of the closed to the fit can be reached from the setted position and equipped with a support so that it can be reached from the seated position and equipped with a support so that it can operate as a fived shower head with not sets than 1.80 mm of fleeble bose, located so that it can be reached from the seated position and equipped with a support so that it can operate as a fived shower head with not set shows 1.80 mm of fleeble bose, located so that it can be reached from the seated position and equipped with a support so that it can operate as a fived shower head with not set shows 1.80 mm of fleeble bose, located so that it can be reached from the seated position and equipped with a support so that it can operate as a fived shower head with not set shows 1.80 mm of fleeble bose, located so that it can be reached from the seated on the side wall between 1.80 mm wide and 400 mm deep, 1) not less than 450 mm wide and 400 mm deep, 1) not less than 450 mm wide and 400 mm deep, 1) not less than 450 mm wide and 400 mm deep, 1) not less than 450 mm wide and 400 mm deep, 1) not less than 500 mm from the backed of residential occupancy, 2) a business and personal services occupancy where the showers are not required for provision of hygerical services related to the business, or e) a mercantile occupancy. I a mercantile occupancy, 2) a substance of residential occupancy, 3 and 3 and 3 and 3 mm above the floor, and 10 between 1.80 mm of the well 1.80 mm from the backed of the seat 1.80 mm of the well 1.80 mm from the backed on the side well between 1.80 mm of the backed on the sid	ADC 2014	NDC/AF) 2040	Comments
meunced 400 mm to 500 mm from the seated position, located on the side wall between 200 mm and 300 mm form of the seat, h) have a hand-held shower head with not less than 1.800 mm of flexible hose, located so that it can be reached from the seated position and equipped with a support so that it can operate as a fixed shower head, and on the side wall between 100 mm and 200 mm in front of the seat. 1) have fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 2) Sentence (1) does not apply to showers located within a) a suite of acre accupancy, b) a state of residential occupancy, c) an industrial occupancy, c) an industrial occupancy, c) an industrial occupancy, c) an industrial occupancy are also as a state of the seat of the	ABC 2014	NBC(AE) 2019	Comments
blocated on the side wall between 200 mm and 300 mm in front of the seat.			
in) have a hand-held shower head with not less than 1800 mm of flexible hose. It can be reached from the seated position and equipped with a support so that it can operate as a fixed shower head, and in) have fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 2) Sentence (1) does not apply to showers located within a) a suite of core occupancy, b) a unit or festing location of the coat. 2) Sentence (2) does not apply to showers located within a) as usite of scale final located on the side wall between 100 mm in front of the seat. 3) I have a horizontal occupancy, c) an industrial occupancy, c) an industrial occupancy, c) an industrial occupancy. 2) a mercantile occupancy. 3) a mercantile occupancy. 3) a mercantile occupancy. 4) I have a horizontal between 750 mm and 850 mm above the floor, and illiposate on the wall opposite the entrance to the shower seath and occupancy are a present equality of the seath of the			
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of the seat. 2) Sentence (1) does not apply to showers located within 2) Sentence (2) does not apply to showers located within 3) a suite of residential occupancy, 1) a suite of residential occupancy, 2) an industrial occupancy, 2) an industrial occupancy, 3) a suite of residential occupancy, 3) a suite of residential occupancy, 3) a busines and personal services occupancy where the showers are not required for provision of hygienic services related to the business, or 3) a mercantile occupancy. 4) In ghave a pressure-equalizing or the motivation within the seat of the seat		· ·	
2) Sentence (1) does not apply to showers located within a) a suite of care occupancy, b) a suite of residential occupancy, c) a industrial occupancy, d) a business and personal services occupancy where the showers are not required for provision of hygienic services related to the business, or e) a mercantile occupancy. e) a mercantile occupancy. In the control of the seat, injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted between 750 mm and 850 mm above the floor, and injuncted on the wall opposite the entrance to the shower see that not less than 300 mm of its length is at one side of the section of the seat, injuncted on the wall opposite the entrance to the shower at not more than 1 200 mm and 300 mm in front and other control that in comply with clause 3.8.3.8.(1)[b]. in are mounted on the wall opposite the entrance to the shower at not more than 1 200 mm above the floor and within reach of the seat, injuncted the wall between 200 mm and 200 mm in front of the seat injuncted of the seat, injuncted the wall between 200 mm and 200 mm in front of the seat injuncted the wall between 200 mm and 200 mm in front of the seat injuncted the wall between 200 mm and 200 mm in front of the seat injuncted the wall between 200 mm and 200 mm	•		
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b) a suite of residential occupancy, c) an industrial occupancy, d) a business and personal services related to the business, or e) a mercantile occupancy. Hinder Less than 900 mm long-located on the wall 100 mm from the back of the seaty illinounted between 750 mm and 850 mm above the floor, and illiplocated on the wall opposite the entrance to the shower so that not less than 300 mm of its length is at one side of the seaty (see Appendix A.) n) gihave a pressure-equalizing or thermostatic-mixing valve controlled by a rever or other device operable with a closed flut from the seated position, located on the side wall between 200 mm and 300 mm in front and other controls that i comply with Clause 3.8.3.8.(1)(b), ii) are mounted on the wall opposite the entrance to the shower at not more than 1 200 mm above the floor and within reach of the seat, i) Haivae a hand-held shower head with not less than 1 800 mm of flexible hose, located so that it an operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and i) there fully recessed soap holders that can be reached from the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, Sounter's required			
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within reach of the seat, i) h}have a hand-held shower head with not less than 1 800 mm of flexible hose, located so that it i) can be reached from thea seated position and equipped with a support so that it can operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and iii) does not obstruct the use of the grab bars, and ii) hyave fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, Sounters required		ii) are mounted on the wall opposite the entrance to the	
i) h)have a hand-held shower head with not less than 1 800 mm of flexible hose, located so that it i) can be reached from thea seated position and equipped with a support so that it can operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and ii) thave fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, Sall have		shower at not more than 1 200 mm above the floor and	
hose, located so that it i) can be reached from thea seated position and equipped with a support so that it can operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and ii) il have fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required		within reach of the seat,	
i) can be reached from thea seated position and equipped with a support so that it can operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and ii) thave fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required		i) h)have a hand-held shower head with not less than 1 800 mm of flexible	
can operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and iii) does not obstruct the use of the grab bars, and iii) have fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required		hose, located so that it	
operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and iii) ihave fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have operate as, ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and iii) the grab bars, and iii) and located on the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 1) Every counter more than 2 m long, at which the public is served, Counters required		i) can be reached from thea seated position and equipped with a support so that it	
ii) can be used in a fixed shower head, and position at a height of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and ij) ihave fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.19. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required		can	
of 1 200 mm and 2 030 mm, and iii) does not obstruct the use of the grab bars, and ij) i) have fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required		operate as,	
iii) does not obstruct the use of the grab bars, and ij ijhave fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required		ii) can be used in a fixed shower head, and position at a height	
i) i) have fully recessed soap holders that can be reached from the seated position and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required		of 1 200 mm and 2 030 mm, and	
and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 3.8.3.19. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, Counters required			
and located on the side wall between 100 mm and 200 mm in front of the seat. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 3.8.3.19. 3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, Counters required		j) i) have fully recessed soap holders that can be reached from the seated position	
3.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, shall have 2 1) Every counter more than 2 m long, at which the public is served, shall have 3 2.8.3.14. Counters 1) Every counter more than 2 m long, at which the public is served, Counters required			
1) Every counter more than 2 m long, at which the public is served, shall have 1) Every counter more than 2 m long, at which the public is served, Counters required	3.8.3.14. Counters		
······································			
conforming to Sentence (3). (See Appendix A.) (See also A-3.8.2.1. in Appendix A.)			
space conforming to <u>Clause (c), See Appendix A.) (See also A-3.8.2.1. in</u>	(2) (2) (2) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	_ ·	
2) A barrier-free counter surface shall be not more than 865 mm above the floor. Appendix A.)	2) A barrier-free counter surface shall be not more than 865 mm above the floor.		

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	b) 2) A barrier-free counter a surface shall be not more than 865 mm above the floor.	
3) Except as permitted in Sentence (4), the knee space beneath a barrier-free counter	and	
intended to be used as a work surface shall be not less than	c) 3) Except except as permitted provided in Sentence (42), the knee space beneath a	
a) 760 mm wide,	barrier-free and where the counter is intended to be used as a work surface shall be,	
b) 685 mm high, and	a knee space underneath it that is	
c) 485 mm deep.	<u>i)</u> not less than a) 760 mm wide,	
	ii) b)not less than 685 mm high, and	
4) A counter that is used in a cafeteria, or one that performs a similar function	iii) c) not less than 485 mm deep.	
whereat movement takes place parallel to the counter, need not provide a knee		
space	2) 4)A counter that is used in a cafeteria, or one that performs a similar function	
underneath it.	whereat movement takes place parallel to the counter, need not provide a knee	
	space underneath it.	
3.8.3.15. Shelves or Counters for Telephones	3.8.3.20. 3.8.3.15. Shelves or Counters for Telephones	Technical revisions to this Article plus introduction
(See Appendix A.)	(See AppendixNote A3.8.3.20.)	of new Article 3.8.2.11.
1) If built-in shelves or counters are provided for public telephones, they shall	1) If built-in shelves Shelves or counters are provided for public telephones, they shall	
be level and shall	required by Sentence 3.8.2.11.(2) shall	
a) be not less than 265 mm deep, and	<u>a)</u> be level and shall ,	
b) have, for each telephone provided, a clear space adjacent to the phone, not	b) a) be not less than 265 mm deep, and	
less than 265 mm wide, having no obstruction within 265 mm above the	c) b) have, for each telephone provided, a clear space adjacent to the phone, not	
surface.	less than 265 mm wide, having no obstruction within 265 mm above the	
	surface.2)The top surface of a section of the shelf or counter described in	
2) The top surface of a section of the shelf or counter described in Sentence (1)	Sentence (1) serving at least one telephone shall be, and	
serving at least one telephone shall be not more than 865 mm above the floor.	d) have a section with a surface not more than 865 mm above the floor serving at	
	least one telephone.	
3) If a wall-hung telephone is provided above a shelf or counter section described		
in Sentence (2), it shall be located so that the receiver and coin slot are not more than	2) 3)If Where a wall-hung telephone is provided above athe shelf or counter	
1 370 mm above the floor.	section described in SentenceClause (21)(d), it shall be located so that the receiver	
	and	
4) At least one telephone with a built-in telecommunication device for the deaf	coin slot are not more than 1 370200 mm above the floor.	
(TTY/TDD) shall be provided where public telephones are installed.		
	3) 4)At least one telephone with a built-in telecommunication communication	
	device for the deaf (TTY/TDD) shall be provided where public telephones are	
	installed.	
	3.8.2.11. Counters and Counters for Telephones	
	1) Every counter more than 2 m long at which the public is served shall comply	
	with Subsection 3.8.3. (See Note A-3.8.2.11.(1).) (See also Note A-3.8.2.3.)	
	2) Built-in shelves and counters provided for public telephones shall comply	
	with Subsection 3.8.3.	
3.8.3.16. Drinking Fountains	3.8.3.10. 3.8.3.16. Drinking Fountains	
1) If drinking fountains are provided, at least one shall be barrier-free and shall		
a) have a spout located near the front of the unit not more than 915 mm above the	1) If drinking fountains are provided, at least one shall be barrier-free and shall	
floor, and		

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b) be equipped with controls that are easily operable from a wheelchair using one	a) have a spout located near the front of the unit not more than 915 mm above the	
hand with a force of not more than 22 N or be automatically operable.	floor, and	
	b) be equipped with controls that are easily operable from a wheelchair using	
	one hand with a force of notmore than 22 N or be automatically operable. Drinking	
	fountains required by Sentence 3.8.2.8.(9) shall	
	a) be located along a barrier-free path of travel,	
	b) have a minimum clear floor space of 800 mm by 1 350 mm in front of it,	
	c) where it has frontal access, provide a knee clearance in accordance with	
	<u>Clause 3.8.3.15.(1)(d),</u>	
	d) have a spout that	
	i) is located near the front of the unit, at a height between	
	750 mm and 915 mm above the floor, and	
	ii) directs water flow in a trajectory that is nearly parallel to	
	the front of the unit, at a height not less than 100 mm, and	
	e) be equipped with controls that	
	i) activate automatically, or	
	ii) are located either on the front or on both sides of it and	
	comply with Clause 3.8.3.8.(1)(b).	
3.8.3.17. Bathtubs	3.8.3.17. Bathtubs	
1) If a bathtub is installed in a <i>suite</i> of <i>residential occupancy</i> required to be	1) If a bathtub is installed in a suite of residential occupancy required to be barrier-	
barrier-free, it shall	free, it shall Bathtubs required by Sentence 3.8.2.8.(11) shall	
a) be located in a room complying with the dimensions stated in Sentence	a) be located in a room complying with the dimensions stated in Sentence	
3.8.3.12.(1),	3.8.3.12.(1), with a clear floor space not less than 1 500 mm in diameter,	
b) conform to Article 3.7.2.9., and	b) be not less than 1 500 mm long,	
c) be equipped with a hand-held shower head mounted on a vertical slide	c) have a clear floor space not less than 900 mm wide adjacent to its entire length,	
bar not less than 760 mm long and with the bottom of the slide bar at a	d) be capable of being accessed along its full length with no tracks mounted on its	
height not less than 1 200 mm above the floor, and controls and flexible	rim,	
hose conforming to Article 3.8.3.13.	e) have faucets and other controls that	
	i) conform to Clause 3.8.3.8.(1)(b), and	
	ii) are located on the centre line or between the centre line of the bathtub and the	
	exterior edge of the bathtub rim, at a maximum height of 450 mm above the rim,	
	f) have three grab bars	
	i) that conform to Sentence 3.7.2.8.(1),	
	ii) that are not less than 1 200 mm long,	
	iii) two of which are located vertically at each end of the bathtub, set 80 mm to 120	
	mm in from the outside edge of the bathtub, with their lower end 180 mm to 280	
	mm above the bathtub rim, and	
	iv) one of which is located horizontally along the length of the bathtub at 180 mm to	
	280 mm above the bathtub rim,	
	g) have a slip-resistant bottom surface, and b) conform to Article 3.7.2.9., and	
	y) comonn to Article 3.7.2.9., and	

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	h)-c) be equipped with a hand-held shower head mounted on a vertical slide bar not	
	less than 760 mm long and with the bottom of the slide bar at a height not less than 1	
	200 mm above the floor, and controls and flexible hose conforming to Article	
	3.8.3.13. with not less than 1 800 mm of flexible hose that can be used in a fixed	
	position at a height of 1 200 mm and 2 030 mm.	
3.8.4.1. Application	3.8.4.1. Application	Sentence 3.8.4.1.(1) under ABC 2014 deleted and
1) Residential <i>projects</i> of 10 or more units funded in whole or in part by the	1) Residential projects of 10 or more units funded in whole or in part by the	relocated to Sentence 3.8.1.1.(3).
Government of Alberta are required to provide adaptable dwelling units which could	Government of Alberta are required to provide adaptable dwelling units which could	
be made to meet barrier-free design principles and shall be provided as follows:	be made to meet barrier free design principles and shall be provided as follows:	
a) 1 per 10 dwelling units, based on the total number of units in a project, and	a) 1 per 10 dwelling units, based on the total number of units in a project, and	
b) adaptable <i>dwelling units</i> shall conform to the requirements of this Subsection.	b) adaptable dwelling units shall conform to the requirements of this Subsection	
	Where dwelling units are required to be adaptable in accordance with Sentence	
	3.8.1.1.(3), they shall be designed in accordance with this Subsection.	
3.8.4.2. General Accessibility	3.8.4.2. General Accessibility	Defined term "walkway" revised to appropriate
1) At least one entrance serving an adaptable dwelling unit, including walkways	1) At least one entrance serving an adaptable dwelling unit, including walkways	term.
leading to the entrance from a public thoroughfare and from on-site parking areas,	exterior walks leading to the entrance from a public thoroughfare and from on-site	
shall be barrier-free. (See also Article 3.8.3.12. for common entrances to buildings	parking areas, shall be barrier-free. (See also Article 3.8.3.12. for common entrances	
and Article 3.8.2.2. for parking stalls.	to buildings and Article 3.8.2.2. for parking stalls.)	
N/A	3.8.5. Access to Physician Clinics and Offices	New Alberta-specific Subsection
	3.8.5.1. Application	
	1) This Subsection applies to physician clinics and offices that provide professional	
	health care services. (See Note A-3.8.5.1.(1).)	
	3.8.5.2. Physician Clinics and Offices	
	1) Every doorway that is located in a <i>barrier-free</i> path of travel to a physician clinic	
	or office shall have a clear width not less than 915 mm when the door is in the open	
	position.	
	2) Every door that is located in a <i>barrier-free</i> path of travel to a physician	
	clinic or office shall be equipped with a power door operator that complies with	
	Subsection 3.8.3. and allows persons to activate the opening of the door in the	
	intended	
	direction of travel.	
	3) The main waiting area shall be designed to allow a person using a wheelchair to	
	turn in an open space not less than 1 500 mm in diameter.	
	4) An assistive listening device shall be provided at the main reception area and in	
	at least one physical examination or treatment room. (See Note A-3.8.3.18.)	
	3.8.5.3. Accessible Examination and Treatment Rooms	
	(See Note A-3.8.5.3.)	
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	1) One in every five examination rooms or part thereof shall	
	a) have a doorway with a clear width not less than 915 mm when the door is	
	in the open position,	
	b) be designed to allow a person using a wheelchair to turn in an open space	
	not less than 1 500 mm in diameter, and	
	c) have one lavatory conforming to Article 3.8.3.15.	
	2) One in every five treatment rooms or part thereof shall	
	a) have a doorway with a clear width not less than 915 mm when the door is	
	in the open position,	
	b) be designed to allow a person using a wheelchair to turn in an open space	
	not less than 1 500 mm in diameter, and	
	c) have one lavatory conforming to Article 3.8.3.15.	
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Section 3.9. Objectives and Functional Statements	Section 3.9-Objectives and Functional Statements-Self-service Storage Buildings	Content previously found in Section 3.9. was
		relocated to Section 3.10. (new) to make
		room for "Self-service Storage Buildings"
3.9.1. Objectives and Functional Statements	3.9.1. Objectives and Functional Statements-General	0 0
3.9.1.1. Attributions to Acceptable Solutions	3.9.1.1. Attributions to Acceptable Solutions Definition	
1) For the purpose of compliance with this Code as required in	1) For the purpose of compliance with this Code as required in Clause 1.2.1.1.(1)(b) of	
Clause 1.2.1.1.(1)(b) of Division A, the objectives and functional statements attributed	Division A, the objectives and functional statements attributed to the acceptable	
to the acceptable solutions in this Part shall be the objectives and functional	solutions in this Part shall be the objectives and functional statements listed in Table	
statements listed in Table 3.9.1.1. (See A-1.1.2.1.(1) in Appendix A.)	3.9.1.1. (See A-1.1.2.1.(1) in Appendix A.) this Section, the term "self-service storage	
	building" shall mean a building that is open to the public for the sole purpose of	
Table 3.9.1.1.	providing individual self-service storage units.	
	Table 3.9.1.1.	
	3.9.1.2. Application	
	1) This Section applies to self-service storage buildings that	
	a) are not more than one storey in building height,	
	b) do not contain a basement or mezzanine,	
	c) consist of individual self-service storage units with external access only,	
	d) are used for no purpose other than storage, and	
	e) except as provided in Sentences 3.9.3.1.(2) and (4), contain no other major	
	occupancy.	
	2) Where there is a conflict between the requirements of this Section and other	
	requirements in Part 3, this Section shall govern.	
	3) The requirements in Part 3 regarding occupant load shall not apply to self-service	
	storage buildings.	
	3.9.1.3. Occupancy Classification	
	1) Self-service storage buildings shall be classified as Group F, Division 2 major	
	occupancies.	

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	3.9.2. Building Fire Safety	
	3.9.2.1. Building Area	
	1) For the purpose of applying the requirements of Subsections 3.2.1. and 3.2.2. to	
	self-service storage buildings, building area shall mean	
	a) the building area of each building, or	
	b) the total of the building areas of all buildings as a group.	
	(See Note A-3.9.2.1.(1).)	
	3.9.2.2. Spatial Separation	
	(See Note A-3.9.2.2.)	
	1) Except as provided in Sentence (3), the spatial separation requirements in	
	Subsection 3.2.3. shall apply to self-service storage buildings.	
	2) The distance between each group of self-service storage <i>buildings</i> shall be not less	
	than 9 m.	
	3) Subsection 3.2.3. need not apply between buildings within a group of self-service	
	storage buildings, where the distance between these buildings is at least 6 m.	
	3.9.2.3. Access Route	
	1) Where Clause 3.9.2.1.(1)(b) is applied to a group of buildings, Article 3.2.5.4. and	
	Sentence 3.2.5.5.(1) shall apply to that group of buildings as if they were a single	
	<u>building.</u>	
	3.9.3. Floor Areas	
	3.9.3.1. Safety Requirements Within Floor Areas	
	1) Except as provided in Sentences (2) to (6), the requirements of Section 3.3. shall	
	apply. (See Note A-3.9.3.1.(1).)	
	2) Not more than one dwelling unit is permitted to be contained within one of the	
	self-service storage buildings on a property.	
	3) A dwelling unit referred to in Sentence (2) shall be separated from individual	
	self-service storage units by a fire separation having a fire-resistance rating not less	
	than 2 h.	
	4) Where an office notmore than 50m2 in area is adjacent to a dwelling unit	
	referred to in Sentence (2), it shall be considered as part of the dwelling unit.	
	5) Fire separations required by Sentences 3.3.1.1.(1) and 3.3.5.9.(1) need not be	
	provided between individual self-service storage units.	
	6) The floor area of self-service storage buildings shall be	
	a) subdivided into compartments not more than 500 m2 in area by a fire	
	separation having a fire-resistance rating not less than 1 h, or	
	b) sprinklered.	
	(See also Sentence 3.4.6.12.(2) for the exemption applying to exit doors of individual	
	self-service storage units.)	
	3.9.3.2. Sanitary Facilities	
	1) Except as provided in Sentence 3.7.2.1.(1), two public washrooms, each	
	containing a water closet and a lavatory, shall be provided within one of the self-	
	service storage buildings on the property. (See Note A-3.9.3.2.(1).)	

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N/A	Section 3.10. Objectives and Functional Statements	New section for "Objectives and Functional
		Statements" (previously found in Section 3.9.)
N/A	3.10.1. Objectives and Functional Statements	
N/A	3.10.1.1. Attributions to Acceptable Solutions	
	1) For the purpose of compliance with this Code as required in Clause 1.2.1.1.(1)(b) of	
	<u>Division A, the objectives and functional statements attributed to the acceptable</u>	
	solutions in this Part shall be the objectives and functional statements listed in Table	
	3.10.1.1. (See Note A-1.1.2.1.(1).)	
	<u>Table 3.10.1.1.</u>	
	Objectives and Functional Statements Attributed to the	
	Acceptable Solutions in Part 3	
	Forming Part of Sentence 3.10.1.1.(1)	