



**CITY OF
PRINCE GEORGE**

BC Building Code Checklist – Part 9

Planning and Development Department

1100 Patricia Blvd. | Prince George, BC, Canada V2L 3V9

p: 250.561.7600 | www.princegeorge.ca

Project: _____
 Civic address: _____
 Permit No.: _____ Date: _____
 CRP: _____
 Certified Professional: _____

1	Value of Construction: \$ _____	Developed Site Area: _____ m ²																																													
2	BUILDING DATA:																																														
	Building Area: _____ m ² Major Occupancy(ies): _____ Number of Streets: _____ Building Height: Storey Construction Type Classification: <input type="checkbox"/> COMBUSTIBLE / <input type="checkbox"/> NON-COMBUSTIBLE <input type="checkbox"/> Construction Articles/Part 3: (3.2.2...../...../.....) <input type="checkbox"/> High Building 3.2.6 <input type="checkbox"/> Fire Wall: <input type="checkbox"/> 2 h <input type="checkbox"/> / <input type="checkbox"/> 4 h <input type="checkbox"/> Mezzanine(s) <input type="checkbox"/> 3.2.1.2 Horizontal Fire Separation <input type="checkbox"/> Sprinkler System <input type="checkbox"/> Standpipe System <input type="checkbox"/> Fire Alarm System Fire Resistance Rating: FLOOR: _____ hr/ MEZZ.: _____ hr/ ROOF: _____ hr/LOAD BEARING: _____ hr																																														
3	SPATIAL SEPARATION:																																														
	Wall																																														
	<table border="1"> <thead> <tr> <th></th> <th>Limiting Distance</th> <th>Area Exposing Building Face</th> <th>L/H Ratio</th> <th>% Opening Actual</th> <th>% Opening Allowed</th> <th>Type of Construction</th> <th>Fire Rating</th> <th>Cladding</th> </tr> </thead> <tbody> <tr> <td>North</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>South</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>East</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>West</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Limiting Distance	Area Exposing Building Face	L/H Ratio	% Opening Actual	% Opening Allowed	Type of Construction	Fire Rating	Cladding	North									South									East									West									
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West																																															
	<input type="checkbox"/> Openings protected L.D. <1.2 m 9.10.14.4.2 (3.2.3.5) <input type="checkbox"/> Combustible projections 1.2 m from PL 9.10.15.5.5 (3.2.3.6.1) <input type="checkbox"/> Projecting roof soffits 9.10.14.5.11 (3.2.3.6) <input type="checkbox"/> Max. size opening L.D. <2.0 m 9.10.14.4.3 (3.2.3.1.5) <input type="checkbox"/> Spacing of openings 2 m 9.10.14.4.4 (3.2.3.1.6) <input type="checkbox"/> Exit facilities protected 3.2.3.13 <input type="checkbox"/> Wall exposed to another wall 3.2.3.14 <input type="checkbox"/> Protection of exposed soffit (if permitted by 3.2.3.6) 9.10.12.4 (3.2.3.16 / 3.2.3.6) <input type="checkbox"/> Wall exposed to adjoining roof 3.2.3.15 <input type="checkbox"/> Class A, B or C roof covering 3.1.15.2																																														

4	PROVISIONS FOR FIRE FIGHTING:	
	<input type="checkbox"/> Access above grade / <input type="checkbox"/> Access below grade	9.10.20.1 / 2 (3.2.5.1 / 3.2.5.2)
	<input type="checkbox"/> Sprinklers required / <input type="checkbox"/> Sprinkler standards	9.10.1.3.8 (3.2.2.18 / 3.2.5.12)
	<input type="checkbox"/> Access route location and design	9.10.20.3 (3.2.5.4 - 3.2.5.6)
	<input type="checkbox"/> Access to roof over 3 storeys	3.2.5.3
	<input type="checkbox"/> Standpipes and hose connections	9.10.1.3.9 (3.2.5.8 - 3.2.5.11)
5	FIRE SEPARATION BETWEEN OCCUPANCIES AND TENANTS, FLOOR AREAS AND SHAFTS:	
	<input type="checkbox"/> Separation of major occupancies	3.1.3.1 / Table 3.1.3.1
	<input type="checkbox"/> Prohibited combination of occupancies	3.1.3.2
	<input type="checkbox"/> Fire separation between suites	9.10.9.13 (3.3.1.1)
	<input type="checkbox"/> Fire separation for public corridor	9.10.9.15 (3.3.1.4)
	<input type="checkbox"/> Fire separation for corridors serving an Assembly occupancy	9.10.1.3.2 (3.3.2.6)
	<input type="checkbox"/> Fire separation for Residential occupancy	9.10.9.11 (3.3.4.2)
	<input type="checkbox"/> Fire separation of Group A, Division 1 occupancy (OL > 200 persons)	3.3.2.2
	<input type="checkbox"/> Fire separation of roof supporting occupancy	9.10.8.7 (3.2.2.13)
	<input type="checkbox"/> Walkway between buildings	3.2.3.19
	<input type="checkbox"/> Underground walkways	3.2.3.20
	<input type="checkbox"/> Fire separation of repair garages and storage garages	9.10.9.16 / 9.10.9.17 (3.3.5.5 / 3.3.5.6)
	<input type="checkbox"/> Vestibules	3.3.5.4.1 / 3.3.5.7
	<input type="checkbox"/> Hazardous substances	9.10.1.3.4 (3.3.1.2 / BCFC)
6	CONSTRUCTION OF FIRE SEPARATIONS AND CLOSURES:	
	<input type="checkbox"/> Basis for fire separations (Article of Appendix D, ULC/CUL/WH Listing)	9.10.3 (3.1.7)
	<input type="checkbox"/> Protection of openings	9.10.9.3 - 9.10.13 (3.1.8.1)
	<input type="checkbox"/> Support of fire separations	9.10.9.8 (3.1.8.2)
	<input type="checkbox"/> Continuity of separations	9.10.9.2 (3.1.8.3)
	<input type="checkbox"/> Fire-protection rating of closures	3.1.8.4 / 3.1.8.10
	<input type="checkbox"/> Maximum openings in firewalls	9.10.11.3 (3.1.10.5)
	<input type="checkbox"/> Maximum dimensions of openings	9.10.13.8 (3.1.8.6)
	<input type="checkbox"/> Self closing devices	9.10.13.10 (3.1.8.11)
	<input type="checkbox"/> Latches required on swing doors	9.10.13.9 (3.1.8.13)

	<input type="checkbox"/> Wired glass and glass block in exit enclosures	9.10.13.5 (3.1.8.16 / 3.1.8.17 / Table 3.1.8.15)			
	<input type="checkbox"/> Wired glass and glass block in fire separations	9.9.4.3 (3.1.8.14)			
	<input type="checkbox"/> Temperature rise rated doors	9.10.13.1 (3.1.8.15 / 3.1.8.17 / Table 3.1.8.15)			
	<input type="checkbox"/> Fire dampers / <input type="checkbox"/> Hold-open devices	9.10.13.11 / 13 (3.1.8.7 - 3.1.8.9 / 3.1.8.12)			
7	EXITS:				
	Occupant Load 9.9.1.3 (3.1.17.1)				
	Room	Area (m ²)	÷	Area/person (m ²)	= Total
	<input type="checkbox"/> Types of exits / <input type="checkbox"/> Minimum of 2 exits	9.9.2.1 / 9.9.8.2 (3.4.1.4 / 3.4.2.1)			
	<input type="checkbox"/> Distance between exits	9.9.8.4 (3.4.2.3)			
	<input type="checkbox"/> Travel distance and location of exits	9.9.7.4 / 9.9.8.4 (3.4.2.4 / 3.4.2.5)			
	<input type="checkbox"/> Travel distance to exit in service space maximum 50 m	3.4.2.4.3 / 3.2.1.1.8			
	<input type="checkbox"/> Clear width of exit, corridor, stair, ramp and door	9.9.3.2 / 9.9.3.3 (3.4.3.2 / Table 3.4.3.2.A & B)			
	<u>Exit capacity:</u> <input type="checkbox"/> 6.1. mm/person for: ramps <= 1:8, doorways, corridors and passageways <input type="checkbox"/> 9.2 mm/person for: ramps > 1:8, stairs (rise > 180 mm or run < 280 mm) <input type="checkbox"/> 8 mm/person for stairs (rise <= 180 mm and run >= 280 mm)	3.4.3.2			
	<input type="checkbox"/> Exit width encroachments permitted	9.9.5.4 - 9.9.6 / 9.8.7.6 (3.4.3.3)			
	<input type="checkbox"/> Headroom	9.9.3.4 - 9.8.2.2 / 9.8.6.4 / 9.9.6.2 (3.4.3.4)			
	<input type="checkbox"/> Flame spread rating for exits	9.10.17.1 (Table 3.1.13.2. / Table 3.1.13.7)			
	<input type="checkbox"/> Fire separation of exits	9.9.4.2 (3.4.4.1. / 3.4.4.2 / 3.4.4.3)			
	<input type="checkbox"/> Integrity of exits	3.4.4.4.			
	<input type="checkbox"/> Minimum 3 risers	9.8.3.2 (3.4.6.2 (Exception 3.3.2.14.))			
	<input type="checkbox"/> Treads and risers	Table 9.8.4.1 / Table 9.8.4.2 (3.4.6.8)			
	<input type="checkbox"/> Maximum of 3.7 m per flight, except Group B2	9.8.3.3 (3.4.6.3)			
	<input type="checkbox"/> Length and width of landing	9.8.6.3 - Table 9.8.6.3 (3.4.6.4)			
	<input type="checkbox"/> Number and height of handrails	Table 9.8.7.1 / 9.8.7.4 (3.4.6.5)			

	<input type="checkbox"/> Height of openings on guards	9.8.8.6 (3.4.6.6)
	<input type="checkbox"/> Number of handrails for stairs > 1100 mm	Table 9.8.7.1 (3.4.6.5)
	<input type="checkbox"/> Exit signs / <input type="checkbox"/> Sign for basement stair	9.9.11.2 / 9.9.11.3 / 9.9.11.4 (3.4.5.1. / 3.4.5.2)
	<input type="checkbox"/> Gradients for ramps / <input type="checkbox"/> Curved stairs	9.8.5.4 / 9.8.4.4 / 9.8.5 (3.4.6.7 / 3.4.6.8 / 3.8.3.3)
	<input type="checkbox"/> Horizontal exits / <input type="checkbox"/> Exterior passageways	9.9.2.1.3 (3.4.6.10 / 3.4.1.5 / 3.4.4.3)
	<input type="checkbox"/> Exit at interconnected floor spaces	3.4.3.2.6
	<input type="checkbox"/> Landings 300 mm wider and longer than door	9.9.6.6 (3.4.6.11)
	<input type="checkbox"/> Door swing / <input type="checkbox"/> Sliding doors in exits	9.9.6.4 / 5 (3.4.6.11 / 3.4.6.12 / 3.4.6.14)
	<input type="checkbox"/> Exit doors to be self-closing	3.4.6.13.
	<input type="checkbox"/> Release hardware	9.9.6.7 (3.4.6.16 / 3.3.2.7)
	<input type="checkbox"/> Doors openable from inside without key	9.9.6.7 (3.4.6.16)
8	SAFETY REQUIREMENTS WITHIN FLOOR AREAS:	
	<input type="checkbox"/> Means of egress from roof and terraces	9.9.7.1.1 (3.3.1.3.3)
	<input type="checkbox"/> Double doors into public corridor, exit in opposite directions	9.9.7.2.2 (3.3.1.3.9)
	<input type="checkbox"/> Roof top enclosure > 200 m ² , 2 means of egress	9.9.7.1.2 (3.3.1.3.6)
	<input type="checkbox"/> 2 means of egress required for service spaces greater than 200 m ² or travel distance > 25 m	3.3.1.3.7
	<input type="checkbox"/> 2 egress doorways; min. 1/3 diagonal separation	9.9.7.4 (3.3.1.5)
	<input type="checkbox"/> Travel distance	9.9.7.6 (3.3.1.6)
	<u>Doors in access to exit:</u> <input type="checkbox"/> Minimum 800 mm for single leaf clear opening <input type="checkbox"/> Minimum 800 mm for active leaf in double door <input type="checkbox"/> Readily openable without use of keys <input type="checkbox"/> Not open onto a step	9.9.6.3 / 9.9.6.6 / 9.9.6.7 (3.3.1.13 / 3.3.3.4)
	<input type="checkbox"/> Hazardous substances	9.10.1.3.4 (3.3.1.2 / BCFC)
	<input type="checkbox"/> Design of hazardous areas	9.10.1.3.4 (3.3.6 / BCFC)
	<input type="checkbox"/> Door swing : Occupant load > 60 or F1 occupancy must swing in direction of exit travel	9.9.6.5.2 (3.3.1.11)
	<input type="checkbox"/> Minimum width of corridor	9.9.3.3 (3.3.1.9 / 3.3.3.3.3)
	<u>Capacity of access to exit:</u> <input type="checkbox"/> Corridors, passageways, doorways, and ramps not more than 1 in 8 – 6.1 mm/person <input type="checkbox"/> Stairs <input type="checkbox"/> Ramps > 1 in 8 – 9.2 mm/person <input type="checkbox"/> B2 and B3 occupancies – 18.4 mm/person	9.9.3 (3.3.1.17. / 3.4.3.2.(1) – 8)
	<input type="checkbox"/> Guards at roof, shaft, balcony, etc.	9.8.8.3 (3.3.1.18)
	<input type="checkbox"/> Protection of openable windows	9.8.8.1.5 (3.3.4.8)
	<input type="checkbox"/> Explosion venting	9.32.1.1.2 (3.3.1.20)
	<input type="checkbox"/> Flame spread rating <input type="checkbox"/> Flame spread rating in elevator cab	9.10.3.2 (3.1.13.2 / Table 3.1.13.2. 3.1.13.11)

	<input type="checkbox"/> Ventilation for commercial cooking equipment	9.10.1.4 (3.3.1.2.2)
	Foam plastics protection in:	
	<input type="checkbox"/> Combustible construction	9.10.17.10 (3.1.4.2)
	<input type="checkbox"/> Non-combustible construction	9.10.6.1 (3.1.5.12)
	Requirements by occupancy:	
	<input type="checkbox"/> Assembly A1, A2, A3, A4	3.3.2.
	<input type="checkbox"/> Denton B1, Treatment B2, Care B3	3.3.3.
	<input type="checkbox"/> Residential C	3.3.4.
	<input type="checkbox"/> Industrial F1, F2, F3	3.3.5.
9	LIGHTING AND EMERGENCY POWER:	
	<input type="checkbox"/> Lighting for exits, public corridors, and rooms	9.9.12.2 (3.2.7.1)
	<input type="checkbox"/> Emergency lighting	9.9.12.3 (3.2.7.3)
	<input type="checkbox"/> Emergency power for lighting	9.9.12.3.2 / 3 (3.2.7.4)
	<input type="checkbox"/> Emergency power for fire alarm systems	9.10.18.3 (3.2.7.8)
	<input type="checkbox"/> Emergency power for B2 occupancies	3.2.7.6
	<input type="checkbox"/> Emergency power for building services	3.2.7.9
	<input type="checkbox"/> Emergency conductor protection	3.2.7.10
10	FIRE ALARMS:	
	<input type="checkbox"/> Buildings requiring a fire alarm system	9.10.18.2 (3.2.4.1)
	<input type="checkbox"/> Continuity of fire alarm systems	9.10.18.3 (3.2.4.2)
	<input type="checkbox"/> Types of systems	9.10.18.3 (3.2.4.3 / 3.2.4.4)
	<input type="checkbox"/> Signals to fire department	9.10.18.3 (3.2.4.8)
	<input type="checkbox"/> Zoning of fire alarm systems	9.10.18.3 (3.2.4.9)
	<input type="checkbox"/> Fire detectors	9.10.18.4 (3.2.4.11)
	<input type="checkbox"/> Smoke detectors	9.10.18.3 (3.2.4.12)
	<input type="checkbox"/> Sprinkler system monitoring	9.10.18.3 (3.2.4.16)
	<input type="checkbox"/> Manual pull stations	9.10.18.3 (3.2.4.17)
	<input type="checkbox"/> Smoke alarms	9.10.19 (3.2.4.21)
11	REQUIREMENTS FOR MEZZANINES AND INTERCONNECTED FLOOR SPACES:	
	<input type="checkbox"/> 10% mezzanine (not a storey) <input type="checkbox"/> 40% mezzanine (not a storey)	9.3.2.1.1 (3.2.1.1)
	<input type="checkbox"/> Termination of vertical fire separation	9.10.12.1 (3.2.8.1)
	<input type="checkbox"/> Mezzanine egress	9.9.8.6 (3.4.2.2)
	<input type="checkbox"/> Interconnected floor space not permitted in B2 occup.	9.10.9.5 (3.2.8.1)
	<input type="checkbox"/> Openings through horizontal fire separation for vehicular ramps in storage garage	3.2.8.2.2

	<input type="checkbox"/> Openings in fire separation for manufacturing process	3.2.8.2.3
	<input type="checkbox"/> Openings for stairways, escalators, moving walkways	3.2.8.2.5/6
	<input type="checkbox"/> Interconnected first floor and floor below or above	9.10.9.5 (3.2.8.2.6)
	<input type="checkbox"/> Construction of interconnected floor space non-comb.	9.10.9.5 (3.2.8.3)
	<input type="checkbox"/> Exit requirements	9.9.3 (3.4.3.2.6)
	<input type="checkbox"/> Elevator openings	3.2.8.5.3
	<input type="checkbox"/> Sprinkler system / <input type="checkbox"/> Draft stops / <input type="checkbox"/> Smoke control	3.2.8.4 / 3.2.8.7 / 3.2.8.8
12	SERVICE FACILITIES:	
	<input type="checkbox"/> No storage in services spaces	3.6.1.3
	<input type="checkbox"/> Fire separation of service rooms	9.10.10.3 (3.6.2.1)
	<input type="checkbox"/> No boiler under exit / <input type="checkbox"/> Door swing	9.9.5.8 (3.6.2.2 / 3.6.2.6)
	<input type="checkbox"/> Fire separation of janitor rooms	3.3.1.21
	<input type="checkbox"/> Fire separation of laundry rooms	3.3.1.22
	<input type="checkbox"/> Fire separation and sprinklers for residential storage rooms	9.10.10.6 (3.3.4.3)
	<input type="checkbox"/> Fire separation of electrical equipment vaults	3.6.2.7
	<input type="checkbox"/> Fire separation for elevator shafts	3.5.3.1 / Table 3.5.3.1
	<input type="checkbox"/> Fire separation for vertical services spaces	3.6.3.1 / Table 3.6.3.1
	<input type="checkbox"/> Fire separation at top/bottom of vertical service space	3.6.3.1
	<input type="checkbox"/> Fire separation of horizontal service spaces	3.6.4.2
	<input type="checkbox"/> Fire separation of fuel fired service	9.10.10.4 / 5 (3.6.2.1)
	<input type="checkbox"/> Fire separation and sprinklers for garbage rooms	9.10.10.6 (3.6.2.5)
	<input type="checkbox"/> Linen and garbage chutes and rooms	9.10.10.6 (3.6.3.3)
	<input type="checkbox"/> Negative pressure required for vertical service space	9.10.9.18.1 (3.6.3.4)
	<input type="checkbox"/> Ceiling spaces used as plenums	9.13.1.3 (3.6.4.3)
	<input type="checkbox"/> Ceiling panels - hold-down clips	9.10.3.4 (3.6.4.3)
	<input type="checkbox"/> Access to attic or roof space	9.19.2.1 (3.6.4.4)
	<input type="checkbox"/> Access to horizontal service space	3.6.4.5
	<input type="checkbox"/> Access to crawl space	9.18.2 (3.6.4.6)
13	HEALTH REQUIREMENTS:	
	<input type="checkbox"/> Height in sleeping rooms	Table 9.5.3.1 (3.7.1.1 / 9.5.3)
	<input type="checkbox"/> Room ventilation	9.32 (6.2.2.1 / 6.2.2.2)
	<input type="checkbox"/> Medical gas piping systems	9.31.1.1.3 (3.7.3.1 / CSA Z7396.1)

<u>Plumbing Facilities 3.7.2.:</u>			
<i>Occupancy</i>	<i># of persons of each sex</i>	<i># of water closets required</i>	<i># of water closets provided</i>

14 REQUIREMENTS FOR DISABLED PERSONS:

<u>When required:</u> <input type="checkbox"/> New buildings – not required in: Group C occupancy, Group F1 occupancy, Group E < 50 m ² , certain 2-storey buildings with max. 600 m ² above or below first storey <input type="checkbox"/> Areas requiring barrier-free path of travel <input type="checkbox"/> Existing buildings	9.5.2.1 (3.8.2.1) 3.8.3.1 3.8.4.1
<input type="checkbox"/> Main entrances	9.5.2.1 (3.8.3.5)
<input type="checkbox"/> Width of path of travel – minimum 1500 mm	9.5.2.1 (3.8.3.2)
<input type="checkbox"/> Ground and floor surfaces	9.5.2.1 (3.8.3.2)
<input type="checkbox"/> Viewing positions	9.5.2.1 (3.8.3.15)
<u>Parking:</u>	
<input type="checkbox"/> Access to parking areas	9.5.2.1 (3.8.2.3 / 3.8.2.38)
<input type="checkbox"/> Number of stalls required	9.5.2.1 (3.8.3.4)
<input type="checkbox"/> 3.7 m wide	9.5.2.1 (3.8.3.4)
<input type="checkbox"/> Identification required	9.5.2.1 (3.8.3.4)
<input type="checkbox"/> Surface treatment	9.5.2.1 (3.8.3.4)
<u>Accessible washrooms:</u>	
<input type="checkbox"/> Where required	9.5.2.1 (3.8.2.3)
<input type="checkbox"/> Water closet stalls min. 1500 mm x 1500 mm	9.5.2.1 (3.7.2.10.2)
<input type="checkbox"/> Door min. 800 mm clear opening accessories	9.5.2.1 (3.7.2.10.2)
<input type="checkbox"/> Water closets	9.5.2.1 (3.7.2.10.3)
<input type="checkbox"/> Location of urinals	9.5.2.1 (3.7.2.10.6)
<input type="checkbox"/> Grab bars, wash basins, mirrors	9.31.2.3 (3.7.2.10.4 / 5 / 7)
<input type="checkbox"/> Universal toilet rooms	9.5.2.1 (3.7.2.10.9)
<input type="checkbox"/> Bathtubs / <input type="checkbox"/> Showers	9.5.2.1 (3.7.2.10.10 / 11)
<input type="checkbox"/> Doors and vestibules in barrier-free path	9.5.2.1 (3.3.1.13)
<input type="checkbox"/> Power doors in hotels, B2, B3, A, D, or E > 500 m ²	9.5.2.1 (3.8.3.5.4)
<u>Ramps:</u>	9.8.5.1.2 (3.8.3.3)

	<input type="checkbox"/> Minimum width 915 mm or 1500 mm	
	<input type="checkbox"/> Maximum gradient	3.8.3.3 (9.8.5.4)
	<input type="checkbox"/> Handrails and guards	9.8.7.1 - Table 9.8.7.1 (3.8.3.3)
	<input type="checkbox"/> Elevators	3.5.2 / CSA B44
	Special occupancy requirements:	
	<input type="checkbox"/> Apartment/Cadmium buildings	3.8.2.27
	<input type="checkbox"/> Business and Personal Services	3.8.2.32
	<input type="checkbox"/> Mercantile	3.8.2.36
	<input type="checkbox"/> Protected zones for disabled persons	3.8.3.19.
15	ALTERNATIVE SOLUTIONS:	
	Alternative Solutions Report: <input type="checkbox"/> Submitted / <input type="checkbox"/> Required / <input type="checkbox"/> Not Required	
	<u>Summary of the Alternative Solution(s):</u>	