

2018 BC Building Code Checklist

Division B- Part 3

Project Name:.....

Civic Address:.....

Permit Application No.:..... **Date:**

Certified Professional:..... **CRP:**

1 Value of Construction: \$ _____ Developed Site Area: _____ m²

2 BUILDING DATA:

Building Area:m² Major Occupancy (ies):

Number of Streets: Building Height: Storey

Construction Type Classification: COMBUSTIBLE / NON-COMBUSTIBLE

Construction Articles/Part 3: (3.2.2...../...../...../.....) 3.2.2.50/58 requirements

Fire Wall: 2 hr / 4 hr Mezzanine(s) 3.2.1.2. Horizontal Fire Separation

Sprinkler System Standpipe System Fire Alarm System High Building 3.2.6.

Fire Resistance Rating: FLOOR: hr/ MEZZ.: hr/ ROOF: hr/LOAD BEARING: hr

3 SPATIAL SEPARATION:

Wall								
	<i>Limiting Distance</i>	<i>Area Exposing Building Face</i>	<i>L/H Ratio</i>	<i>% Opening Actual</i>	<i>% Opening Allowed</i>	<i>Type of Construction</i>	<i>Fire Rating</i>	<i>Cladding</i>
<i>North</i>								
<i>South</i>								
<i>East</i>								
<i>West</i>								

- | | |
|---|-------------|
| <input type="checkbox"/> Openings protected L.D. <1.2 m | 3.2.3.5. |
| <input type="checkbox"/> Combustible projections within 1.2 m of the PL | 3.2.3.6.(1) |
| <input type="checkbox"/> Projecting roof soffits | 3.2.3.6. |
| <input type="checkbox"/> Maximum size opening where L.D. ≤ 2.0 m | 3.2.3.1.(5) |
| <input type="checkbox"/> Spacing of openings 2 m | 3.2.3.1.(6) |
| <input type="checkbox"/> Protection of exit facilities | 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)	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	3.2.5.1. / 3.2.5.2.
	<input type="checkbox"/> Sprinklers required / <input type="checkbox"/> Sprinkler standards	3.2.2.18. / 3.2.5.12.
	<input type="checkbox"/> Access route location and design	3.2.5.4. to 3.2.5.6.
	<input type="checkbox"/> Access to roof for buildings > 3 storeys	3.2.5.3.
	<input type="checkbox"/> Standpipes and hose connections	3.2.5.8. to 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	3.3.1.1.
	<input type="checkbox"/> Fire separation for public corridor	3.3.1.4.
	<input type="checkbox"/> Fire separation for corridors serving an Assembly occupancy	3.3.2.6.
	<input type="checkbox"/> Fire separation for Residential occupancy	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	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	3.3.5.5. / 3.3.5.6.
	<input type="checkbox"/> Vestibule requirements for storage garages	3.3.5.4.(1) / 3.3.5.7.
	<input type="checkbox"/> Hazardous substances	3.3.1.2. / BCFC
6	CONSTRUCTION OF FIRE SEPARATIONS AND CLOSURES:	
	<input type="checkbox"/> Basis for fire separations (ULC/cUL/WH listings and Appendix D)	3.1.7. / Appendix D
	<input type="checkbox"/> Protection of openings	3.1.8.1.
	<input type="checkbox"/> Support of fire separations	3.1.8.2.
	<input type="checkbox"/> Continuity of separations	3.1.8.3.
	<input type="checkbox"/> FPR requirements for closures	3.1.8.4. / 3.1.8.12.
	<input type="checkbox"/> Maximum openings in firewalls	3.1.10.5.
	<input type="checkbox"/> Combustible projections beyond firewalls	3.1.10.7.
	<input type="checkbox"/> Maximum dimensions of openings	3.1.8.6.
	<input type="checkbox"/> Self closing devices	3.1.8.13.
	<input type="checkbox"/> Hold open devices	3.1.8.14.
	<input type="checkbox"/> Latches required on swing doors	3.1.8.15.
	<input type="checkbox"/> Wired glass and glass block in exit enclosures	3.1.8.18. / 3.1.8.19. / Table 3.1.8.17.
	<input type="checkbox"/> Wired glass and glass block in fire separations	3.1.8.16.
	<input type="checkbox"/> Temperature rise rated doors	3.1.8.17. / 3.1.8.19. / Table 3.1.8.17.
	<input type="checkbox"/> Fire and smoke dampers	3.1.8.7. to 3.1.8.11.

7	EXITS:			
Occupant Load 3.1.17.1.				
<i>Room</i>	<i>Area (m²)</i>	÷	<i>Area/person (m²)</i>	<i>= Total</i>
<input type="checkbox"/> Types of exits			3.4.1.4.	
<input type="checkbox"/> Minimum of 2 exits			3.4.2.1.	
<input type="checkbox"/> Distance between exits			3.4.2.3.	
<input type="checkbox"/> Travel distance			3.4.2.4.	
<input type="checkbox"/> Travel distance and location of exits			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			3.4.3.2. / Table 3.4.3.2.-A and Table 3.4.3.2.-B	
<u>Exit capacity:</u>				
<input type="checkbox"/> 6.1. mm/person for: ramps ≤ 1 in 8, doorways, corridors and passageways			3.4.3.2.	
<input type="checkbox"/> 9.2 mm/person for: ramps > 1 in 8, stairs (rise > 180 mm or run < 280 mm)				
<input type="checkbox"/> 8 mm/person for stairs (rise ≤ 180 mm and run ≤ 280 mm)				
<input type="checkbox"/> Exit width encroachments permitted			3.4.3.3.	
<input type="checkbox"/> Headroom			3.4.3.4.	
<input type="checkbox"/> Flame spread rating for exits			Tables 3.1.13.2. and 3.1.13.7. (Exception 3.1.3.7.(2))	
<input type="checkbox"/> Fire separation of exits			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			3.4.6.2. (Exception 3.3.2.15.)	
<input type="checkbox"/> Treads and risers			3.4.6.8.	
<input type="checkbox"/> Maximum of 3.7 m per flight, except Group B2			3.4.6.3.	
<input type="checkbox"/> Length and width of landing			3.4.6.4.	
<input type="checkbox"/> Handrails – number/height/graspable/continuity/horizontal extensions			3.4.6.5.	
<input type="checkbox"/> Guards – height/climbability/openings			3.4.6.6.	
<input type="checkbox"/> Exit signs			3.4.5.1.	
<input type="checkbox"/> Sign for stair below lowest exit level			3.4.5.2.	
<input type="checkbox"/> Gradients for ramps			3.4.6.7. / 3.8.3.5.	
<input type="checkbox"/> Curved flights in stairs			3.4.6.9.	
<input type="checkbox"/> Horizontal exits			3.4.6.10.	
<input type="checkbox"/> Exterior passageways			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	3.4.6.11.
	<input type="checkbox"/> Doors and Direction of Door swing	3.4.6.11. / 3.4.6.12.
	<input type="checkbox"/> Sliding doors in exits	3.4.6.14.
	<input type="checkbox"/> Exit doors to be self-closing	3.4.6.13.
	<input type="checkbox"/> Release hardware, openable from inside w/o key	3.4.6.16. / 3.3.2.7.
	<input type="checkbox"/> Electromagnetic locks	3.4.6.16.(4) & (5)
	<input type="checkbox"/> Emergency crossover access > 3 storeys above grade and > 2 storeys below grade	3.4.6.18.
	<input type="checkbox"/> Floor numbering	3.4.6.19.
8	SAFETY REQUIREMENTS WITHIN FLOOR AREAS:	
	<input type="checkbox"/> Means of egress from roof and terraces	3.3.1.3.(3) & (4)
	<input type="checkbox"/> Doors into public corridor, exit in opposite direction	3.3.1.3.(12)
	<input type="checkbox"/> Roof top enclosure > 200 m ² , 2 means of egress	3.3.1.3.(6)
	<input type="checkbox"/> Means of egress for service spaces	3.3.1.3.(7)
	<input type="checkbox"/> 2 egress doorways; min. 1/3 diagonal separation	3.3.1.5.
	<input type="checkbox"/> Travel distance	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"/> Minimum 850 mm for doors requiring access <input type="checkbox"/> Minimum 850 mm for care facilities <input type="checkbox"/> Minimum 1050 mm to move patients in beds <input type="checkbox"/> Readily openable without use of keys <input type="checkbox"/> Not open onto a step	3.3.1.13. / 3.3.3.4.
	<input type="checkbox"/> Hazardous substances	3.3.1.2. / BCFC
	<input type="checkbox"/> Design of hazardous areas	3.3.6. / BCFC
	<input type="checkbox"/> Door swing : Occupant load > 60 or F1 occupancy must swing in direction of exit travel	3.3.1.11.
	<input type="checkbox"/> Minimum width of corridor	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 <input type="checkbox"/> Unsprinklered Dance and LB occupancies with OL > 250 requires 50% capacity at main entrance	3.3.1.17. / 3.4.3.2.(1) to (3)
	<input type="checkbox"/> Guards at raised floors, roof, shaft, balcony	3.3.1.18.
	<input type="checkbox"/> Tapered treads in curved stair	3.3.1.16.
	<input type="checkbox"/> Protection of openable windows	3.3.4.8.
	<input type="checkbox"/> Explosion venting	3.3.1.20.
	<input type="checkbox"/> Flame spread rating	3.1.13.2. / Table 3.1.13.2.
	<input type="checkbox"/> Flame spread rating in elevator cars	3.1.13.11.

	<input type="checkbox"/> Ventilation for commercial cooking equipment	3.3.1.2.(2)
	<input type="checkbox"/> Daycare facilities	3.3.2.17. / 3.1.2.8.
	<input type="checkbox"/> Protected zones in accessible floor areas	3.3.1.7.
	<input type="checkbox"/> Foam plastics protection - combustible construction	3.1.4.2.
	<input type="checkbox"/> Foam plastics protection – noncomb. construction	3.1.5.15.
	<u>Specific Requirements</u>	
	<input type="checkbox"/> Assembly A1, A2, A3, A4 requirements	3.3.2.
	<input type="checkbox"/> Detention B1, Treatment B2, Care B3 requirements	3.3.3.
	<input type="checkbox"/> Residential C requirements	3.3.4.
	<input type="checkbox"/> Industrial F1, F2, F3 requirements	3.3.5.
9	LIGHTING AND EMERGENCY POWER:	
	<input type="checkbox"/> Lighting for exits, public corridors, and rooms	3.2.7.1.
	<input type="checkbox"/> Emergency lighting	3.2.7.3.
	<input type="checkbox"/> Emergency power for lighting	3.2.7.4. (1 hr for buildings under 3.2.2.50. & 58)
	<input type="checkbox"/> Emergency power for fire alarm systems	3.2.7.8. (1 hr for buildings under 3.2.2.50. & 58)
	<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	3.2.4.1.
	<input type="checkbox"/> Continuity of fire alarm systems	3.2.4.2.
	<input type="checkbox"/> Types of systems	3.2.4.3. / 3.2.4.4.
	<input type="checkbox"/> Signals to fire department	3.2.4.7.
	<input type="checkbox"/> Zoning of fire alarm systems	3.2.4.8.
	<input type="checkbox"/> Fire detectors	3.2.4.10.
	<input type="checkbox"/> Smoke detectors	3.2.4.11.
	<input type="checkbox"/> Sprinkler system monitoring	3.2.4.15.
	<input type="checkbox"/> Manual pull stations	3.2.4.16.
	<input type="checkbox"/> Visible signal devices and visible warning systems	3.2.4.19.
	<input type="checkbox"/> Smoke alarms	3.2.4.20.
	<input type="checkbox"/> Residential Fire Warning Systems	3.2.4.21.
	<input type="checkbox"/> Voice communication systems	3.2.4.22.
11	REQUIREMENTS FOR MEZZANINES, INTERCONNECTED FLOOR SPACES, HIGH BUILDINGS:	
	<input type="checkbox"/> Exception in bldg. height; mezz/roof top/under tiers	3.2.1.1.
	<input type="checkbox"/> Termination at vertical fire separation	3.2.8.1.(1)
	<input type="checkbox"/> Mezzanine egress	3.4.2.2.
	<input type="checkbox"/> Interconnected floor space not permitted in B2 occupancy with sleeping rooms	3.2.8.1.(3)
	<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	3.2.8.2.(6)
	<input type="checkbox"/> Exit width for stairs serving interconnected floors	3.4.3.2.(6)
	<input type="checkbox"/> Elevator openings	3.2.8.4.(3)
	<input type="checkbox"/> Sprinkler system	3.2.8.3.
	<input type="checkbox"/> Draft stops	3.2.8.6.
	<input type="checkbox"/> Mechanical Exhaust System	3.2.8.7.
	<input type="checkbox"/> High buildings	3.2.6.
12	SERVICES FACILITIES:	
	<input type="checkbox"/> No storage in services spaces	3.6.1.4.
	<input type="checkbox"/> Fire separation of service rooms	3.6.2.1.
	<input type="checkbox"/> Fire separation for service room with fire safety system	3.6.2.1.(8)
	<input type="checkbox"/> No boiler under exit	3.6.2.2.
	<input type="checkbox"/> Door swing for service rooms	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 & sprinklers for residential storage room	3.3.4.3.
	<input type="checkbox"/> Recall and alternate floor recall	3.5.2.1.(1)
	<input type="checkbox"/> Fire separation for elevator shafts	3.5.3.1. / Table 3.5.3.1.
	<input type="checkbox"/> Fire separation for combustible refuge storage rooms	3.6.2.5.
	<input type="checkbox"/> Fire separation of electrical equipment vaults	3.6.2.7.
	<input type="checkbox"/> Fire separation for vertical services spaces	3.6.3.1. / Table 3.6.3.1.
	<input type="checkbox"/> Prohibition on combustible vent pipes in vertical service spaces	3.1.5.4.(1) / 3.1.5.19.(3)(b)
	<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	3.6.2.1.
	<input type="checkbox"/> Fire separation and sprinklers for garbage rooms	3.6.2.5.
	<input type="checkbox"/> Linen and garbage chutes and rooms	3.6.3.3.
	<input type="checkbox"/> Negative pressure required for vertical service space	3.6.3.4.
	<input type="checkbox"/> Grease duct enclosures	3.6.3.5.
	<input type="checkbox"/> Plenums, fire stop flaps	3.6.4.3.
	<input type="checkbox"/> Access to attic or roof space	3.6.4.4.
	<input type="checkbox"/> Access to horizontal service space	3.6.4.5.
	<input type="checkbox"/> Access to crawl space	3.6.4.6.
13	HEALTH REQUIREMENTS:	
	<input type="checkbox"/> Room and space height	3.7.1.1. / 9.5.3.
	<input type="checkbox"/> Room ventilation	6.3.1.1. / 6.3.1.3.
	<input type="checkbox"/> Medical gas piping systems	3.7.3.1. / CSA Z7396.1

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

14 ACCESSIBILITY:

<input type="checkbox"/> Accessible design standard option Section 3.8 or CSA B651	3.8.3.1.
<input type="checkbox"/> Application and exemptions to buildings	3.8.2.1.(1).
<input type="checkbox"/> Areas requiring access	3.8.2.3.
<input type="checkbox"/> Existing buildings	3.8.4.1.
<input type="checkbox"/> Main entrances	3.8.2.2.
<input type="checkbox"/> Width of path of travel, ground and floor surfaces	3.8.3.2
<input type="checkbox"/> Exterior walks	3.8.3.3.
<input type="checkbox"/> Wheelchair spaces	3.8.2.3.(3) / 3.8.3.21.
<input type="checkbox"/> Adaptable dwelling units	3.8.5.
<input type="checkbox"/> Access to parking areas	3.8.2.5.
<input type="checkbox"/> Where accessible washroom required	3.8.2.1.(1)
<input type="checkbox"/> Water closet stalls	3.8.3.11.
<input type="checkbox"/> Water closets	3.8.3.13.
<input type="checkbox"/> Urinals	3.8.3.14.
<input type="checkbox"/> Lavatories and mirrors	3.8.3.15.
<input type="checkbox"/> Drinking fountains	3.8.3.10.
<input type="checkbox"/> Universal washrooms	3.8.3.12.
<input type="checkbox"/> Showers / <input type="checkbox"/> Bathtubs	3.8.3.16. / 3.8.3.17.
<input type="checkbox"/> Doorways and doors providing access	3.8.3.6.
<input type="checkbox"/> Power doors in hotels, B2, or A/B3/D/E > 500 m ²	3.8.2.7.
<input type="checkbox"/> Ramp minimum width/maximum slope/handrails/guards	3.8.3.5.
<input type="checkbox"/> Elevating devices (elevators CSA B44 and lifts CSA B355)	3.8.3.7. / 3.5.2.1. / 3.5.4.1.

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>

