



# Certified Professional (CP) Program 2024 British Columbia Building Code Part 3 Checklist

An Alternate Building Permit Process

11995 Haney Place, Maple Ridge, BC V2X 6A9  
Phone: 604-463-5221 Email: Enquiries@MapleRidge.ca

Project Name: \_\_\_\_\_

Civic Address: \_\_\_\_\_

Authority Having Jurisdiction: \_\_\_\_\_

Building Permit No.: \_\_\_\_\_

Date: \_\_\_\_\_

Architect (RPR): \_\_\_\_\_

Certified Professional (CP), If Applicable: \_\_\_\_\_

## 1. Building Data

Building Area in m<sup>2</sup> 1.4.1.2.Div.A: \_\_\_\_\_

Major Occupancy (Include All):  
 A-1     A-2     A-3     A-4     B-1  
 B-2     B-3     C     D     E     F-1     F-2     F-3

Number of Street Facing: \_\_\_\_\_

Building Height in Storeys: \_\_\_\_\_

Construction Type Classification:  Combustible     Non-Combustible     Encapsulated Mass Timber

Construction Articles/3.2.2.: \_\_\_\_\_

3.2.1.2. Storage Garage     3.2.2.51. or 3.2.2.60 Storey Comb.     3.2.2.48. or 3.2.2.57. or 3.2.2.93. EMTC

Fire Wall 3.1.10.:     N/A     Two (2) Hour     Four (4) Hour

Sprinklered:     Yes     No     NFPA 13     NFPA 13R     NFPA 13D

High Building 3.2.6.:     Yes     No

Standpipe System:     Yes     No

Fire Alarm:     Yes     No

Fire Resistance Rating 3.2.2.:

Floor: \_\_\_\_ Hour    Mezzanine: \_\_\_\_ Hour    Roof: \_\_\_\_ Hour    Loadbearing Walls and Columns: \_\_\_\_ Hour

### 2. Spatial Separation Refer to Attached Table

Wall								
	Area Exposing Building Face m <sup>2</sup>	Ratio L/H, if not sprinklered	Limiting Distance m	% Opening Allowed	% Opening Actual	Fire Resistance Rating	Type of Construction	Type of Cladding*
North								
South								
East								
West								

\* For 3.2.2.48., 3.2.2.51., 3.2.2.57., and 3.2.2.60. or more complex building configurations attach additional sheet(s).

- Protection of Openings When Limiting Distance <1.2 m \_\_\_\_\_ 3.2.3.5.
- Combustible Projections Within 1.2 m of the Property Line \_\_\_\_\_ 3.2.3.6.(1)
- Projecting Roof Soffits \_\_\_\_\_ 3.2.3.6.
- Maximum Size Opening Where Limiting Distance ≤ 2.0 m \_\_\_\_\_ 3.2.3.1.(5)
- Spacing of Unprotected Openings 2 m \_\_\_\_\_ 3.2.3.1.(6)
- Protection of Exit Facilities \_\_\_\_\_ 3.2.3.13.
- Wall Exposed to Another Wall \_\_\_\_\_ 3.2.3.14.
- Protection of Exposed Soffit (If Permitted by 3.2.3.6) \_\_\_\_\_ 3.2.3.16./3.2.3.6.
- Wall Exposed to Adjoining Roof \_\_\_\_\_ 3.2.3.15.
- Class A, B or C Roof Covering \_\_\_\_\_ 3.1.15.2.

### 3. Provision for Fire Fighting

- Access Above Grade/ Access Below Grade \_\_\_\_\_ 3.2.5.1./3.2.5.2.
- Access Route Location and Design \_\_\_\_\_ 3.2.5.4. to 3.2.5.6.
- Access to Roof for Buildings >3 Storeys \_\_\_\_\_ 3.2.5.3.
- Location of Fire Department Connection \_\_\_\_\_ 3.2.5.15.
- Sprinklers Required/ Sprinkler Standards \_\_\_\_\_ 3.2.2.18./3.2.5.12.-14.
- Standpipes and Hose Connections \_\_\_\_\_ 3.2.5.8. to 3.2.5.11.
- Fire Pump—NFPA 20 \_\_\_\_\_ 3.2.5.18.

#### 4. Additional Requirements for High Buildings

- Application of High Building Requirements \_\_\_\_\_ 3.2.6.1.
- Requirements for Limiting Smoke Movement \_\_\_\_\_ 3.2.6.2.
- Emergency Operation of Elevators \_\_\_\_\_ 3.2.6.4.
- Requirement for Firefighter Elevator \_\_\_\_\_ 3.2.6.5.
- Venting to Aid Firefighting \_\_\_\_\_ 3.2.6.6.
- Central Alarm and Control Facility (CFAC) \_\_\_\_\_ 3.2.6.7.
- Voice Communication System \_\_\_\_\_ 3.2.6.8.

#### 5. Fire Separation Between Occupancies, Suites, Floor Areas and Shafts

- Separation of Major Occupancies \_\_\_\_\_ 3.1.3.1./Table 3.1.3.1.
- Prohibited Combination of Occupancies \_\_\_\_\_ 3.1.3.2.
- Fire Separation Between Suites \_\_\_\_\_ 3.3.1.1.
- Fire Separation for Public Corridor \_\_\_\_\_ 3.3.1.4
- Fire Separation for Corridors Serving an Assembly Occupancy \_\_\_\_\_ 3.3.2.6.
- Fire Separation for Residential Occupancy \_\_\_\_\_ 3.3.4.2
- Fire Separation of Group A, Division 1 Occupancy (Occupant Load > 200 Persons) \_\_\_\_\_ 3.3.2.2.
- Fire Separation of Roof Supporting Occupancy \_\_\_\_\_ 3.2.2.13.
- Walkway Between Buildings \_\_\_\_\_ 3.2.3.19.
- Underground Walkways \_\_\_\_\_ 3.2.3.20.
- Fire Separation of Repair Garages and Storage Garages \_\_\_\_\_ 3.3.5.5./3.3.5.6.
- Vestibule Requirements for Storage Garages \_\_\_\_\_ 3.3.5.4.(1)/3.3.5.7.
- Hazardous Substances \_\_\_\_\_ 3.3.1.2 and BC Fire Code

#### 6. Construction of Fire Separations and Closures

- Basis for Fire Separations (ULC/cUL/WH Listings or Appendix D) \_\_\_\_\_ 3.1.7./Appendix D
- Protection of Openings \_\_\_\_\_ 3.1.8.1.
- Support of Fire Separations \_\_\_\_\_ 3.1.8.2.
- Continuity of Separations \_\_\_\_\_ 3.1.8.3.

- Fire-Protection Rating Requirements for Closures \_\_\_\_\_ 3.1.8.4./3.1.8.12.
- Maximum Openings in Firewalls \_\_\_\_\_ 3.1.10.5.
- Combustible Projections Beyond Firewalls \_\_\_\_\_ 3.1.10.7.
- Maximum Dimensions of Openings \_\_\_\_\_ 3.1.8.6.
- Self-Closing Devices \_\_\_\_\_ 3.1.8.13.
- Hold Open Devices \_\_\_\_\_ 3.1.8.14.
- Latches Required on Swing Doors \_\_\_\_\_ 3.1.8.15.
- Wired Glass, Glass Block and Safety Glazing in Exit Closures \_\_\_\_\_ 3.1.8.18./3.1.18.19/Table 3.1.8.17.
- Wired Glass and Glass Block in Fire Separations \_\_\_\_\_ 3.1.8.16.
- Temperature Rise Limit for Doors \_\_\_\_\_ 3.1.8.17./3.1.8.19/Table 3.1.8.17.
- Fire and Smoke Dampers \_\_\_\_\_ 3.1.8.7. to 3.1.8.11.

**7. Exits**       *Refer to Attached Table*

Table 3.1.17.1. Occupant Load			
Type of Use	Area of Floor Area m <sup>2</sup>	Area per Person m <sup>2</sup>	Total Number of Persons

Additional table of how this summary was derived can be added.

- Types of Exits \_\_\_\_\_ 3.4.1.4.
- Minimum Number of Exits \_\_\_\_\_ 3.4.2.1.
- Distance Between Exits \_\_\_\_\_ 3.4.2.3.
- Travel Distance \_\_\_\_\_ 3.4.2.4.
- Location of Exits \_\_\_\_\_ 3.4.2.5.
- Travel Distance to Exit in Service Space Maximum 50 m \_\_\_\_\_ 3.4.2.4.(3)/3.2.1.1.(8)
- 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

#### Exit Capacity 3.4.3.2.:

- 6.1 mm/Person for: Ramps  $\leq$  1 in 8, Doorways, Corridors and Passageways
- 9.2 mm/Person for: Ramps  $>$  1 in 8, Stairs (Rise  $>$  180 mm, or Run  $<$  280 mm)
- 8 mm/Person for Stairs (Rise  $\leq$  180 mm, and Run  $\leq$  280 mm)
  
- Exit Width Reduction \_\_\_\_\_ 3.4.3.3.
- Headroom Clearance \_\_\_\_\_ 3.4.3.4.
- Flame Spread Rating for Exits \_\_\_\_\_ Tables 3.1.13.2. and 3.1.13.7. (Exception 3.1.13.7.(2))
- Fire Separation of Exits \_\_\_\_\_ 3.4.4.1./3.4.4.2./3.4.4.3.
- Integrity of Exits \_\_\_\_\_ 3.4.4.4.
- Maximum Three (3) Risers \_\_\_\_\_ 3.4.6.2. (Exception 3.3.2.15.)
- Treads and Risers \_\_\_\_\_ 3.4.6.8.
- Maximum of 3.7 m per Flight, Except Group B Division 2 \_\_\_\_\_ 3.4.6.3.
- Length and Width of Landing \_\_\_\_\_ 3.4.6.4.
- Handrails—Number/Height/Graspable/Continuity/Horizontal Extensions \_\_\_\_\_ 3.4.6.5.
- Number of Handrails for Stairs  $>$  1100 mm \_\_\_\_\_ 3.4.6.5.
- Guards—Height/Climbability/Openings \_\_\_\_\_ 3.4.6.6.
- Exit Signs \_\_\_\_\_ 3.4.5.1.
- Sign for Basement Stair \_\_\_\_\_ 3.4.5.3.
- Gradients for Ramps \_\_\_\_\_ 3.4.6.7./3.8.3.5.
- Curved Flights in Exits \_\_\_\_\_ 3.4.6.9.
- Horizontal Exits \_\_\_\_\_ 3.4.6.10.
- Exterior Passageways \_\_\_\_\_ 3.4.1.5./3.4.4.3.
- Exit at Interconnected Floor Spaces \_\_\_\_\_ 3.4.3.2.(6)
- Landings 300 mm Wider and Longer Than Door \_\_\_\_\_ 3.4.6.11.
- Doors and Direction of Door Swing \_\_\_\_\_ 3.4.6.11./3.4.6.12.
- Sliding Doors in Exits \_\_\_\_\_ 3.4.6.14.
- Exit Doors to be Self-Closing \_\_\_\_\_ 3.4.6.13.
- Door Release Hardware, Openable From Inside Without Key \_\_\_\_\_ 3.4.6.16./3.3.2.7.
- Electromagnetic Locks \_\_\_\_\_ 3.4.6.16.(5) and (6)

- Emergency Crossover Access > 3 Storeys Above Grade and >2 Storeys Below Grade \_\_\_\_\_ 3.4.6.18.
- Floor Numbering and Identification of Stair Shafts \_\_\_\_\_ 3.4.6.19.

## 8. Safety Requirements Within Floor Areas

- Means of Egress From Roof and Terraces \_\_\_\_\_ 3.3.1.3.(3) and (4)
- Doors Into Public Corridor, Exit in Opposite Direction \_\_\_\_\_ 3.3.1.3.(12)
- Rooftop Enclosure > 200 m<sup>2</sup>, Two (2) Means of Egress \_\_\_\_\_ 3.3.1.3.(6)
- Means of Egress for Service Spaces \_\_\_\_\_ 3.3.1.3.(10)
- Two (2) Egress Doorways; Minimum 1/3 Diagonal Separation \_\_\_\_\_ 3.3.1.5.
- Travel Distance \_\_\_\_\_ 3.3.1.6.

### Doors In Access to Exit 3.3.1.13./3.3.3.4.:

- Minimum 850 mm for Single Leaf Clear Opening 3.3.1.13.(1)(a)
- Minimum 850 mm for Active Leaf in Double Door 3.3.1.13.(1)(b)
- Door Hardware 3.3.1.13.(3) and (4)
- Minimum 850 mm for Care Facilities 3.3.3.4.(1)
- Minimum 1050 mm to Move Patients in Beds 3.3.1.13.(2)
- Readily Openable Without Use of Keys 3.3.1.13.(2)
- Not Open Onto A Step 3.3.1.13.(1)(c)
- Threshold Height and Configuration 3.3.1.13.(1)(d)
- Door Wing: Occupant Load > 60 or F1 Occupancy Must Swing in Direction of Exit Travel \_\_\_\_\_ 3.3.1.11.
- Minimum Width of Corridor \_\_\_\_\_ 3.3.1.9.
- Minimum Width of Corridor in Care, Treatment or Detention \_\_\_\_\_ 3.3.1.9./3.3.3.3.(3)
- Hazardous Substances, Equipment, and Processes \_\_\_\_\_ 3.3.1.2. and BC Fire Code
- Design of Hazardous Areas \_\_\_\_\_ 3.3.6. and BC Fire Code

### Capacity of Access to Exit 3.3.1.17./3.4.3.2.(1) to (3)

- Stairs
- Corridors, Passageways, Doorways, and Ramps Not More Than 1 in 8—6.1 mm/Person
- Ramps > 1 in 8—9.2 mm/Person
- Group B, Division 2 and 3 Occupancies—18.4 mm/Person

- Unsprinklered Dance Hall or Licensed Beverage Establishment Occupancies
- Guards at Raised Floors, Roof, Shaft, Balcony \_\_\_\_\_ 3.3.1.18.
- Tapered Treads in Curved Stair \_\_\_\_\_ 3.3.1.16.
- Tactile Walking Surface Indicators \_\_\_\_\_ 3.3.1.16.
- Protection of Openable Windows \_\_\_\_\_ 3.3.4.8.
- Explosion Venting \_\_\_\_\_ 3.3.1.21.
- Flame Spread Rating \_\_\_\_\_ 3.1.13.2./Table 3.1.13.2.
- Flame Spread Rating In Elevator Cars \_\_\_\_\_ 3.1.13.11.
- Ventilation for Commercial Cooking Equipment \_\_\_\_\_ 3.3.1.2.(2)
- Daycare Facilities for Children \_\_\_\_\_ 3.3.2.18./3.1.2.8.
- Protected Zones in Accessible Floor Areas \_\_\_\_\_ 3.3.1.7.
- Foam Plastics Protection—Combustible Construction \_\_\_\_\_ 3.1.4.2.
- Foam Plastics Protection—Non-combustible Construction \_\_\_\_\_ 3.1.5.15.

**Additional Requirements Related to Occupancy Classification:**

- Group A Requirements \_\_\_\_\_ 3.3.2.
- Group B Requirements \_\_\_\_\_ 3.3.3.
- Group C Requirements \_\_\_\_\_ 3.3.4.
- Group F Requirements \_\_\_\_\_ 3.3.5.

**9. Fire Alarm Systems**

- Buildings Requiring a Fire Alarm System \_\_\_\_\_ 3.2.4.1.
- Continuity of Fire Alarm Systems \_\_\_\_\_ 3.2.4.2.
- Types of System \_\_\_\_\_ 3.2.4.3./3.2.4.4.
- Signals to Fire Department \_\_\_\_\_ 3.2.4.7.
- Zoning of Fire Alarm Systems \_\_\_\_\_ 3.2.4.8.
- Fire Detectors \_\_\_\_\_ 3.2.4.10.
- Smoke Detectors \_\_\_\_\_ 3.2.4.11.
- Sprinkler System Monitoring \_\_\_\_\_ 3.2.4.15.
- Manual Pull Stations \_\_\_\_\_ 3.2.4.16.

- Visible Signal Devices and Visible Warning Systems \_\_\_\_\_ 3.2.4.19.
- Smoke Alarms \_\_\_\_\_ 3.2.4.20.
- Residential Fire Warning Systems \_\_\_\_\_ 3.2.4.21.
- Voice Communication Systems \_\_\_\_\_ 3.2.4.22./3.2.4.23.
- Integrated Fire Protection and Life Safety Systems Testing \_\_\_\_\_ 3.2.9.1./CAN/ULC-S1001

### 10. Lighting and Emergency Power

- Lighting for Exits, Public Corridors, and Rooms \_\_\_\_\_ 3.2.7.1.
- Emergency Lighting \_\_\_\_\_ 3.2.7.3.
- Emergency Power for Lighting \_\_\_\_\_ 3.2.7.4. (One (1) Hour for 3.2.2.51. and 60.)
- Emergency Power for Fire Alarm Systems \_\_\_\_\_ 3.2.7.8. (One (1) Hour for 3.3.3.51. and 60.)
- Emergency Power for Group B Division 2 Occupancies \_\_\_\_\_ 3.2.7.6.
- Emergency Power for Building Services \_\_\_\_\_ 3.2.7.9.
- Emergency Conductor Protection \_\_\_\_\_ 3.2.7.10.

### 11. Requirements for Mezzanines and Interconnected Floor Spaces

- Exception in Building Height; Mezzanine/Rooftop Enclosure/Space Under Tiers of Seats \_\_\_\_\_ 3.2.1.1.
- Termination at Vertical Fire Separation \_\_\_\_\_ 3.2.8.1.(1)
- Mezzanine Egress \_\_\_\_\_ 3.4.2.2.
- Interconnected Floor Space Not Permitted in B-2 Occupancy With Sleeping Rooms \_\_\_\_\_ 3.2.8.1.(3)
- Openings Through Horizontal Fire Separation for Vehicular Ramps in Storage Garage \_\_\_\_\_ 3.2.8.2.(2)
- Openings In Fire Separation for Manufacturing Process \_\_\_\_\_ 3.2.8.2.(3)
- Openings for Stairways, Escalators, Moving Walkways \_\_\_\_\_ 3.2.8.2.(5) and (6)
- Interconnected First Floor and Floor Below Or Above \_\_\_\_\_ 3.2.8.2.(6)
- Exit Width for Stairs Serving Interconnected Floors \_\_\_\_\_ 3.4.3.2.(6)
- Elevator Openings \_\_\_\_\_ 3.2.8.4.(3)
- Sprinkler System \_\_\_\_\_ 3.2.8.3.
- Draft Stops \_\_\_\_\_ 3.2.8.6.
- Mechanical Exhaust System \_\_\_\_\_ 3.2.8.7.

## 12. Services Facilities

- No Storage in Services Spaces \_\_\_\_\_ 3.6.1.4.
- Fire Separation of Service Rooms \_\_\_\_\_ 3.6.2.1.
- Fire Separation for Service Room With Fire Safety System \_\_\_\_\_ 3.6.2.1.
- No Boiler Under Exit \_\_\_\_\_ 3.6.2.2.
- Door Swing for Service Rooms \_\_\_\_\_ 3.6.2.6.
- Fire Separation of Janitor Rooms \_\_\_\_\_ 3.3.1.22.
- Fire Separation of Laundry Rooms \_\_\_\_\_ 3.2.1.23.
- Fire Separation and Sprinklers for Residential Storage Room \_\_\_\_\_ 3.3.4.3.
- Recall and Alternate Floor Recall \_\_\_\_\_ 3.5.2.1.(1)
- Fire Separation for Elevator Shafts \_\_\_\_\_ 3.5.3.1./Table 3.5.3.1.
- Fire Separation for Combustible Refuge Storage Rooms \_\_\_\_\_ 3.6.2.5.
- Fire Separation of Electrical Equipment Vaults \_\_\_\_\_ 3.6.2.7.
- Fire Separation for Vertical Services Spaces \_\_\_\_\_ 3.6.3.1./Table 3.6.2.7.
- Prohibition on Combustible Vent Pipes in Vertical Service Spaces \_\_\_\_\_ 3.1.9.4.(4)(c)/3.1.5.19.(3)(b)
- Fire Separation at Top/Bottom of Vertical Service Space \_\_\_\_\_ 3.6.3.1.
- Fire Separation of Horizontal Service Spaces \_\_\_\_\_ 3.6.4.2.
- Fire Separation of Fuel Fired Service \_\_\_\_\_ 3.6.2.1.
- Fire Separation and Sprinklers for Garbage Rooms \_\_\_\_\_ 3.6.2.5.
- Linen and Garbage Chutes and Rooms \_\_\_\_\_ 3.6.3.3.
- Negative Pressure Required for Vertical Service Space \_\_\_\_\_ 3.6.3.4.
- Grease Duct Enclosures \_\_\_\_\_ 3.6.3.5.
- Plenums, Fire Stop Flaps \_\_\_\_\_ 3.6.4.3.
- Access to Attic or Roof Space \_\_\_\_\_ 3.6.4.4.
- Access to Horizontal Service Space \_\_\_\_\_ 3.6.4.5.
- Access to Crawl Space \_\_\_\_\_ 3.6.4.6.

### 13. Health Requirements Refer to Attached Table

Plumbing Facilities 3.7.2.					
Occupancy Classification	No. of Persons of Each Sex	No. of Water Closets Required		No. of Water Closets Provided	
		Male	Female	Male	Female

- Room and Space Height \_\_\_\_\_ 3.7.1.1./9.5.3.
- Room Ventilation \_\_\_\_\_ 6.3.1.1./6.3.1.3.
- Medical Gas Piping Systems \_\_\_\_\_ 3.7.3.1./CSA Z7396.1

### 14. Accessibility

- Accessible Design Standard Option Section 3.8 or CSA B651 \_\_\_\_\_ 3.8.3.1.
- Application and Exemptions to Buildings \_\_\_\_\_ 3.8.2.1.
- Areas Requiring Access \_\_\_\_\_ 3.8.2.3.
- Existing Buildings \_\_\_\_\_ 3.8.4.1.
- Adaptable Dwelling Units \_\_\_\_\_ 3.8.5.
- Entrances \_\_\_\_\_ 3.8.2.2.
- Exterior Walks \_\_\_\_\_ 3.8.3.3.
- Wheelchair Spaces \_\_\_\_\_ 3.8.2.3.(3)/3.8.3.22.
- Access to Parking Areas \_\_\_\_\_ 3.8.2.5.
- Where Accessible Washroom Required \_\_\_\_\_ 3.8.2.1./3.8.2.8.(5)
- Accessible Signs \_\_\_\_\_ 3.8.3.9.
- Drinking Fountains \_\_\_\_\_ 3.8.3.10.
- Water-Bottle Filling Stations \_\_\_\_\_ 3.8.3.11.
- Water Closet Stalls \_\_\_\_\_ 3.8.3.12.
- Water Closets \_\_\_\_\_ 3.8.3.14./3.8.3.15.
- Limited Mobility Urinals \_\_\_\_\_ 3.8.2.8./3.8.3.15.

