

## COMPETENCY PROFILES

*1.1.1. Contractor – new residential buildings covered by a guaranty plan, Class I*

*1.1.2. Contractor – new residential buildings covered by a guaranty plan, Class II*

*1.2. Contractor – small buildings*

*1.3. Contractor – all buildings*

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We wish to thank the experts who contributed to work on this subclass:

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## TABLE OF CONTENTS

<b>DEFINITIONS OF SUBCLASSES .....</b>	<b>6</b>
<b>LEGISLATIVE, NORMATIVE AND REGULATORY FRAMEWORK.....</b>	<b>10</b>
1. Knowing the measures contained in the Building Act (CQLR, c. B-11) relating to the functions of the carrying out of construction work guarantor	
2. Referring to the various chapters of the Construction Code (CQLR, c B-11, r. 2) relating to the project	
3. Knowing the the Safety Code (CQLR, c. B-11, r. 3)	
4. Positioning a project with regard to the requirements of the Regulation respecting the guarantee plan for new residential buildings (CQLR, c. B-1.1, r. 8)	
5. Knowing the measures contained in the Regulation respecting the professional qualification of contractors and owner-builders (CQLR, c. B-1.1, r. 9) relating to the functions of the carrying out of construction work guarantor	
6. Complying with the requirements of the Act respecting labour relations, vocational training and workforce management in the construction industry (CQLR, c. R-20)	
7. Knowing the legislative, normative and regulatory framework relating to building construction	
<b>ROLES AND RESPONSIBILITIES OF GUARANTORS .....</b>	<b>14</b>
8. Knowing the roles and responsibilities of the construction contractor	
9. Reading and interpreting plans and specifications	
10. Using different project-appropriate computer-assisted drawing technologies	
11. Planning, managing and communicating information to different stakeholders	
<b>BUILDING DESIGN AND CONSTRUCTION .....</b>	<b>17</b>
12. Classifying a building based on criteria set forth in Chapter I, "Building", of the Québec Construction Code	
13. Establishing the type of construction based on the building's classification (combustible or non-combustible)	
14. Knowing the materials allowed based on the type of construction	
15. Using Chapter I, "Building", of the Québec Construction Code in effect	
16. Complying with requirements relating to energy efficiency	
17. Complying with requirements relating to the design and construction of stairs and guardrails	
18. Complying with requirements relating to sound conditions	
19. Complying with requirements relating to the accessibility of buildings	
20. Knowing the principles guiding the design of areas and spaces	
<b>CARRYING OUT OF CONSTRUCTION WORK .....</b>	<b>21</b>
<b><u>A building's excavation and foundations .....</u></b>	<b>21</b>
21. Complying with requirements relating to excavations	
22. Complying with requirements relating to backfilling	
23. Managing the execution of excavation and backfilling work	
24. Complying with requirements relating to protection against moisture and underground gas infiltration	
25. Complying with requirements relating to drainage	
26. Complying with requirements relating to foundations and footings	
27. Managing the execution of foundation work	

<b>Building structure .....</b>	<b>22</b>
28. Ensuring compliance with requirements relating to structural design (Part 4, Chapter 1, "Building", of the Québec Construction Code)	
29. Understanding load transfer mechanisms and the different types of structures	
30. Knowing the basic characteristics related to the structural strength of materials	
31. Complying with requirements relating to structural strength	
32. Managing the execution of structural work	
<b>Building envelope (doors and windows, insulation, and air and water tightness) .....</b>	<b>24</b>
33. Complying with requirements relating to a building's envelope	
34. Complying with requirements relating to a building's envelope, insulation, intermediate sheathing, vapour barrier, and air and water tightness	
35. Complying with requirements relating to energy efficiency	
36. Managing the execution of work on a building's envelope, insulation, intermediate sheathing, vapour barrier, and air and water tightness	
37. Complying with requirements relating to doors and windows	
38. Managing the execution of work on doors and windows	
39. Complying with requirements relating to materials, installations and equipment	
40. Complying with requirements relating to roof spaces	
<b>Fire protection.....</b>	<b>27</b>
41. Defining key terms relating to fire detection and alarm systems	
42. Complying with requirements relating to fire protection	
43. Complying with requirements relating to fire detection and alarm systems	
44. Complying with requirements relating to firefighting measures	
45. Complying with requirements relating to fire protection – Exits	
46. Complying with requirements relating to fire protection – Fire propagation	
47. Managing the execution of work relating to fire protection	
48. Complying with requirements relating to masonry and concrete chimneys and smoke stacks	
<b>Evacuation measures .....</b>	<b>30</b>
49. Defining key terms relating to evacuation measures	
50. Complying with requirements relating to evacuation measures	
51. Complying with requirements relating to accident prevention	
52. Complying with special requirements relating to tents and inflatable structures	
<b>Separation of uses.....</b>	<b>31</b>
53. Defining key terms relating to fire separations, space separations, and the protection of facades	
54. Applying requirements relating to space separations and the protection of facades	
55. Complying with requirements relating to the design of fire separations and firewalls	
56. Complying with requirements relating to the integrity and fire resistance of firewalls	
57. Complying with requirements relating to the flame-spread rating of a material or material assemblies	
58. Complying with requirements relating to insulation, air and water tightness, and fireproofing	

59. Managing the execution of work on interior partitions

**Building mechanics** ..... 33

60. Ensuring compliance with special requirements relating to heating, ventilation and air conditioning (Part 6 of Chapter I, "Building", of the Québec Construction Code)

61. Ensuring compliance with requirements relating to heating and air conditioning

62. Ensuring compliance with requirements relating to electrical installations

63. Managing the execution of a building's electrical and mechanical work

64. Ensuring the integrity of fire separations

**RENOVATION, TRANSFORMATION AND RESTORATION**..... 36

65. Complying with special requirements of Chapter I, "Building", of the Québec Construction Code

66. Complying with requirements relating to the renovation of a building subject to parts 3, 9, 10 and 11 of Chapter I, "Building", of the Québec Construction Code

67. Applying rules relating to renovation work

68. Applying rules relating to restoration work

**SUSTAINABLE DEVELOPMENT** ..... 38

69. Complying with the legislative framework relating to sustainable development

70. Applying design rules by integrating sustainable development principles

71. Applying principles of sustainable development to construction and demolition

72. Preparing a building for sound operation in keeping with sustainable development

## DEFINITIONS OF SUBCLASSES

### **1.1.1 – Contractor – new residential buildings covered by a guaranty plan, Class I**

This subclass authorizes construction work relating to:

- a single family dwelling, duplex or town house, whether or not it is held in divided co-ownership;
- a multifamily building, from a duplex to a quintuplex, that is not held in divided co-ownership;

It also authorizes construction work in subclasses 2.6, 3.1, 4.1, 5.1 and 6.1 of Schedule II, relating to a new residential building covered by this subclass.

### **1.1.2 – Contractor – new residential buildings covered by a guaranty plan, Class II**

This subclass authorizes construction work relating to a multifamily building held in divided co-ownership, comprising no more than 4 private portions stacked one above the other, without taking into account, in calculating those 4 portions, the private spaces used for parking or storage.

It also authorizes construction work in subclasses 2.6, 3.1, 4.1, 5.1 and 6.1 of Schedule II, relating to a new residential building covered by this subclass.

## 1.2 – Contractor – small buildings

This subclass authorizes construction work relating to

- buildings not referred to in subclass 1.1.1 or 1.1.2 that are referred to in Part 9 of the National Building Code – Canada 1995 (NRCC 38726E) as adopted by Chapter I of the Building Code (chapter B-1.1, r. 2), without regard to the exemptions in Division II of the Regulation respecting the application of the Building Act (chapter B-1.1, r. 1);
- buildings referred to in subclasses 1.1.1 and 1.1.2 and in Part 9 of the National Building Code, to the extent that the work is subcontracted on behalf of the holder of a licence in subclass 1.1.1 or 1.1.2;
- tents referred to in paragraph 2 of section 3.4 of the Regulation respecting the application of the Building Act.

It also authorizes construction work in subclasses 2.6, 3.1, 4.1, 5.1 and 6.1 of Schedule II relating to a building or a tent referred to in this subclass.

Lastly, it authorizes similar or related construction work.

## 1.3 – Contractor – all buildings

This subclass authorizes construction work on any building, including those of subclass 1.2, and construction work on inflatable structures referred to in paragraph 2 of section 3.4 of the Regulation respecting the application of the Building Act.

It also authorizes construction work relating to a new residential building in this subclass to the extent that the work is subcontracted on behalf of the holder of a licence in subclass 1.1.1 or 1.1.2.

This subclass authorizes construction work in subclasses 2.6, 3.1, 4.1, 5.1 and 6.1 of Schedule II relating to a building or inflatable structure covered by this subclass.

Lastly, it authorizes similar or related construction work.<sup>1</sup>

### Important notes on minimum skills required

A given skill can give rise to different questions, depending on the subclass exam:

The requirements of subclasses 1.1.1 to 1.3 are presented in a table to help you compare. It should be noted, however, that while the requirements of all four subclasses are similar if not identical, exam questions are chosen based on the types of buildings involved and work authorized by each of the subclasses.

Take, for instance, the following skill: "51.2. Establishing the required height of guardrails". In order to be adequately prepared, you must take into account the fact that questions referring to this ability can vary from one subclass to another, depending on the type of building.

Subclasses referring to structures:

Structural work normally authorized by subclasses 2.6, 3.1, 4.1, 5.1, and 6.1 can be carried out by contractors holding a subclass 1.1.1, 1.1.2, 1.2 or 1.3 licence provided the work relates to a building authorized by the general contractor subclass(es) they hold.

- 2.6 – Contractor – piles and special foundations;
- 3.1 – Contractor – concrete structures;
- 4.1 – Contractor – masonry structures;
- 5.1 – Contractor – metallic structures and precast concrete elements;
- 6.1 – Contractor – wood structures;
- All work covered by Schedule III.

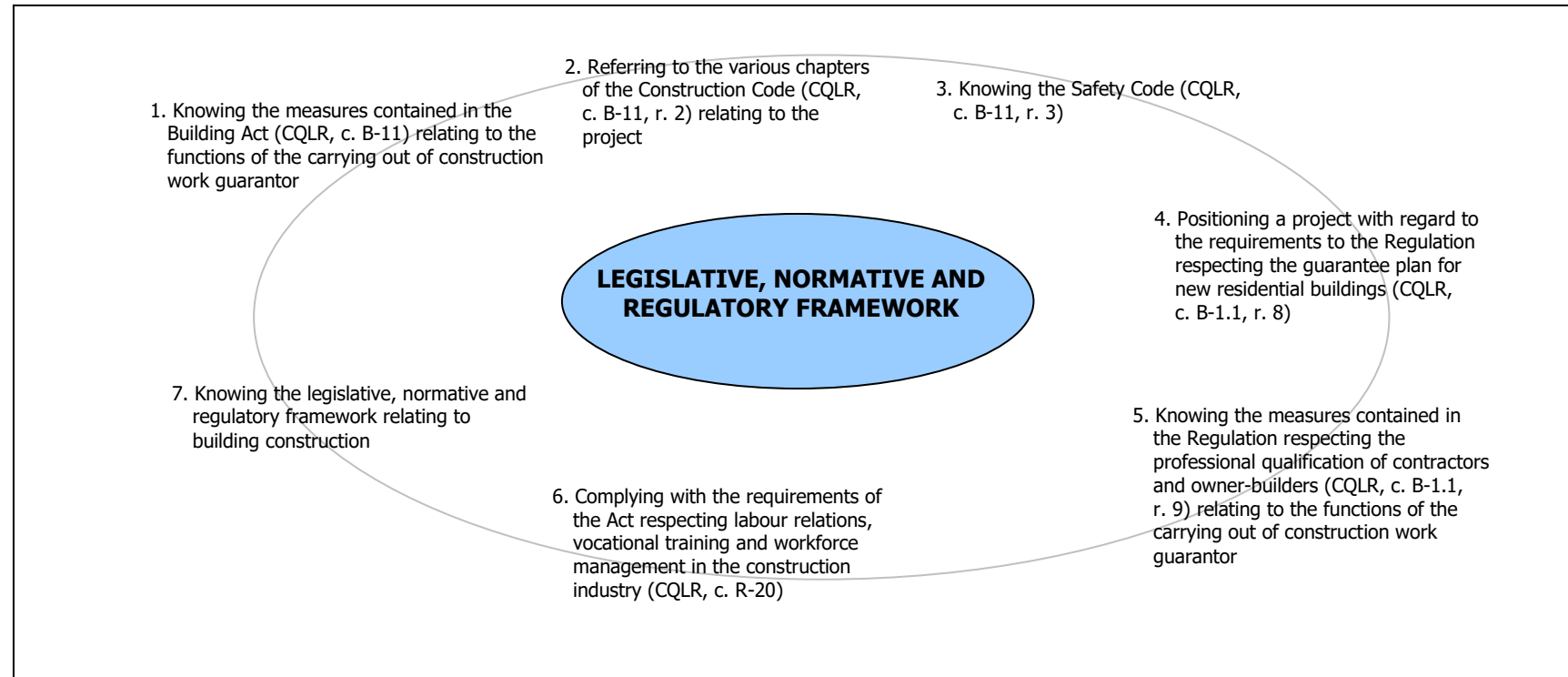


<b>Definitions of subclasses relating to structural work</b>	
<p><b>2.6 – Contractor – piles and special foundations</b></p> <p>This subclass authorizes construction work relating to soil mechanics such as piles and caissons, cofferdams, tiebacks, underpinnings or grouting of soil and rock.</p> <p>It also authorizes construction work included in subclass 2.5 of Schedule III.</p> <p>Lastly, it authorizes similar or related work.<sup>1</sup></p>	<p><b>3.1 – Contractor – concrete structures</b></p> <p>This subclass authorizes construction work relating to cast or precast structural concrete.</p> <p>It also authorizes construction work included in subclass 3.2 of Schedule III.</p> <p>Lastly, it authorizes similar or related construction work.<sup>1</sup></p>
<p><b>4.1 – Contractor – concrete structures</b></p> <p>This subclass authorizes construction work relating to structural masonry and masonry outer walls.</p> <p>It also authorizes construction work included in subclass 4.2 or Schedule III.</p> <p>Lastly, it authorizes similar or related construction work.<sup>1</sup></p>	<p><b>5.1 – Contractor – metallic structures and prefabricated concrete elements</b></p> <p>This subclass authorizes construction work relating to metallic elements and steel structural elements as well as structural assembly work using prefabricated concrete elements.</p> <p>It also authorizes construction work included in subclass 5.2 of Schedule III.</p> <p>Lastly, it authorizes similar or related construction work.<sup>1</sup></p>
<p><b>6.1 – Contractor – wood structures</b></p> <p>This subclass authorizes construction work relating to wood structures.</p> <p>It also authorizes construction work included in subclass 6.2 of Schedule III.</p> <p>Lastly, it authorizes similar or related construction work.<sup>1</sup></p>	

<sup>1</sup> Source: *Regulation respecting the professional qualification of contractors and owner-builders* (CQLR, c. B-1.1, r. 9).

## LEGISLATIVE, NORMATIVE AND REGULATORY FRAMEWORK

### ELEMENTS OF COMPETENCE



## LEGISLATIVE, NORMATIVE AND REGULATORY FRAMEWORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
1. Knowing the measures contained in the Building Act (CQLR, c. B-1.1) relating to functions of the carrying out of construction work guarantor.	1.1. Referring to the Building Act.	√	√	√	√
	1.2. Referring to the Regulation respecting the application of the Building Act (CQLR, c. B-1.1, r. 1).	√	√	√	√
	1.3. Understanding the notions of different and equivalent measures.	√	√	√	√
	1.4. Understanding the guarantor's obligations.	√	√	√	√
2. Referring to the various chapters of the Construction Code (CQLR, c. B-1.1, r. 2) relating to the project.	2.1. Using the different chapters of the Construction Code:				
	- Chapter I, "Building";	√	√	√	√
	- Chapter II, "Gas";	√	√	√	√
	- Chapter III, "Plumbing";	√	√	√	√
	- Chapter IV, "Elevators and other elevating devices";		√		√
	- Chapter V, "Electricity";	√	√	√	√
	- Chapter VII, "Passenger ropeways";				
	- Chapter X, "Bathing places".				√
	2.2. Distinguishing between the:				
	- Construction Code (CQLR, c. B-1.1, r. 2); - National Building Code of Canada 2010 (NBC) developed by the NRCC; - Quebec Construction Code, Chapter I – Building; - Municipal construction regulations (specific to each municipality).	√	√	√	√
2.3. Ensuring that all work subject to the Building Act is carried out according to the appropriate codes, in particular those referred to in the various chapters of the Construction Code.	√	√	√	√	
2.4. Understanding how to determine which version of Chapter I, "Building", of the Construction Code to use (based on the year, location, type of building, etc.).	√	√	√	√	
2.5. Knowing the field of application of Chapter I, "Building", of the Québec Construction Code.	√	√	√	√	
2.6. Understanding the structure of Chapter I, "Building", of the Construction Code and the ability to locate, therein, all information required by a project.	√	√	√	√	
2.7. Referring to the key terms defined in Chapter I, "Building" of the Québec Construction Code.	√	√	√	√	

## LEGISLATIVE, NORMATIVE AND REGULATORY FRAMEWORK

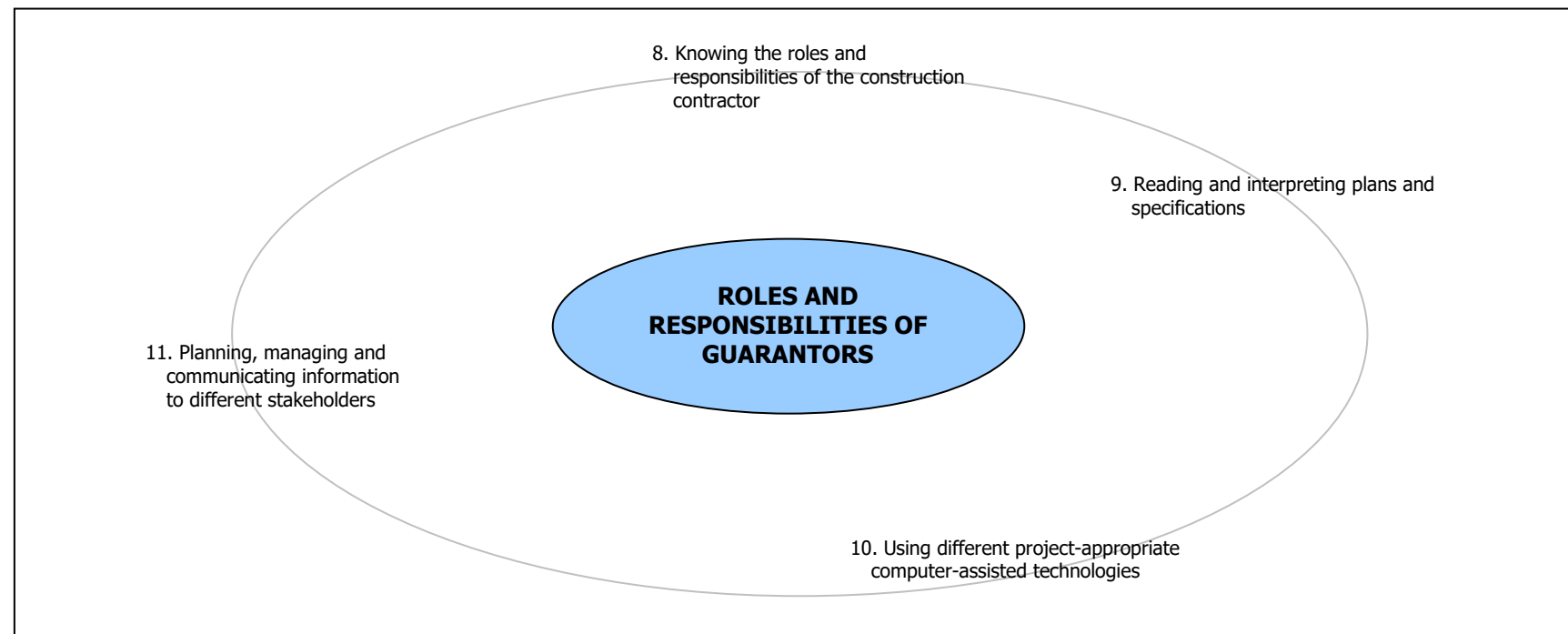
ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
3. Knowing the Safety Code (CQLR, c. B-1,1, r. 3).	3.1. Using the different chapters of the Safety Code:				
	- Chapter I, "Plumbing";				√
	- Chapter II, "Electricity";				√
	- Chapter III, "Gas";				√
	- Chapter IV, "Elevators and other lifts";				√
	- Chapter VIII, "Building".			√	√
4. Positioning a project with regard to the requirements of the Regulation respecting the guarantee plan for new residential buildings (CQLR, c. B-1.1, r. 8).	4.1. Knowing the field of application of the Regulation respecting the guarantee plan for new residential buildings.	√	√	√	√
	4.2. Mastering the application of the Regulation respecting the guarantee plan for new residential buildings.	√	√		
5. Knowing the measures contained in the Regulation respecting the professional qualification of contractors and owner-builders (CQLR, c. B-1.1, r. 9) relating to the functions of the carrying out of construction work guarantor.	5.1. Mastering the application of the Regulation respecting the professional qualification of contractors and owner-builders.	√	√	√	√
	5.2. Identifying work authorized by the different classes and subclasses.	√	√	√	√
	5.3. Establishing the interrelations between subclasses as well as subcontracting possibilities and obligations.	√	√	√	√
	5.4. Ensuring that all work subject to the Building Act is carried out by contractors holding the appropriate subclass licence.	√	√	√	√
6. Complying with the requirements of the Act respecting labour relations, vocational training and workforce management in the construction industry (CQLR c. R-20).	6.1. Referring to the Act respecting labour relations, vocational training and workforce management in the construction industry.	√	√	√	√
	6.2. Complying with requirements relating to a building's workforce, according to this Act's specific criteria.	√	√	√	√
	6.3. Knowing the regulations applicable to workers holding certificates of competence.	√	√	√	√
7. Knowing the legislative, normative and regulatory framework relating to building construction.	7.1. Knowing the fields of practice of the various professionals on a job site.	√	√	√	√
	7.2. Identifying work that is the exclusive domain of master electricians and master pipe-mechanics.	√	√	√	√
	7.3. Knowing the field of application of the Regulation respecting pressure installations (CQLR, c. B-1.1, r. 6.1).				√
	7.4. Knowing the normative and regulatory regulation relating to elevators and other elevating devices.		√		√

## LEGISLATIVE, NORMATIVE AND REGULATORY FRAMEWORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	7.5. Referring to the Act respecting the conservation of energy in buildings (CQLR, c. E-1.1) and the Regulation respecting energy conservation in new buildings (CQLR, c. E-1.1, r. 1).	√	√	√	√
	7.6. Knowing the field of application of Part 11 of Chapter I, "Building", of the Québec Construction Code.	√	√	√	√
	7.7. Referring to the Environmental Quality Act (CQLR, c. Q-2), the Regulation respecting wastewater disposal systems for isolated dwellings (CQLR, c. Q-2, r. 22) and the Regulation respecting the quality of drinking water (CQLR, c. Q-2, r. 40).	√	√	√	√
	7.8. Knowing distances required by a septic field as set forth in the Regulation respecting wastewater disposal systems for isolated dwellings.	√	√	√	√
	7.9. Referring to the Act respecting land use planning and development (CQLR, c. A-19.1) and municipal zoning by-laws.	√	√	√	√
	7.10. Referring to the Cultural Heritage Act (CQLR, c. P-9.002) in the case of a building designated and protected by this law.			√	√
	7.11. Referring to municipal construction by-laws.	√	√	√	√
	7.12. Referring to municipal fire protection by-laws.	√	√	√	√

## ROLES AND RESPONSIBILITIES OF GUARANTORS

### ELEMENTS OF COMPETENCE



## ROLES AND RESPONSIBILITIES OF GUARANTORS

ELEMENTS OF COMPETENCY	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
8. Knowing the roles and responsibilities of the construction contractor.	8.1. Taking the measures needed to comply with the requirements of Chapter I, "Building", of the Québec Construction Code.	√	√	√	√
	8.2. Knowing the contractor's responsibilities relating to the Building Act and its regulations.	√	√	√	√
	8.3. Understanding the co-responsibility of the contractor and designer with regard to the quality of work subject to articles 2101 et seq. of the Civil Code of Québec (CQLR, c. CCQ-1991).	√	√	√	√
	8.4. Understanding the role of each of the stakeholders on a construction site.	√	√	√	√
	8.5. Supervising the work of workers and subcontractors on the construction site.	√	√	√	√
	8.6. Ensuring the smooth execution of the work.	√	√	√	√
	8.7. Ensuring that a building's installed mechanical elements remain in place should the structure move.	√	√	√	√
	8.8. Coordinating interrelations between the different stakeholders on the worksite.	√	√	√	√
	8.9. Ensuring that materials delivered to the worksite comply with plans and specifications.	√	√	√	√
	8.10. Ensuring that work on the construction site is carried out in compliance with the legislative, normative and regulatory framework as well as best practices.	√	√	√	√
	8.11. Being aware of the impact of failure to comply with good practices in terms of sustainable development.	√	√	√	√
	8.12. Complying with municipal by-laws relating to construction projects.	√	√	√	√
9. Reading and interpreting plans and specifications.	9.1. Recognizing and interpreting different elements on plans and specifications.	√	√	√	√
10. Using different project-appropriate computer-assisted drawing technologies.	10.1. Basic knowledge of building information modelling technology.	√	√	√	√
	10.2. Basic knowledge of different word processing, spreadsheet and project management software.	√	√	√	√
11. Planning, managing and communicating information to different stakeholders.	11.1. Using information needed for the construction of a building as provided by various technologies for the management of a project as well as its plans and specifications.	√	√	√	√

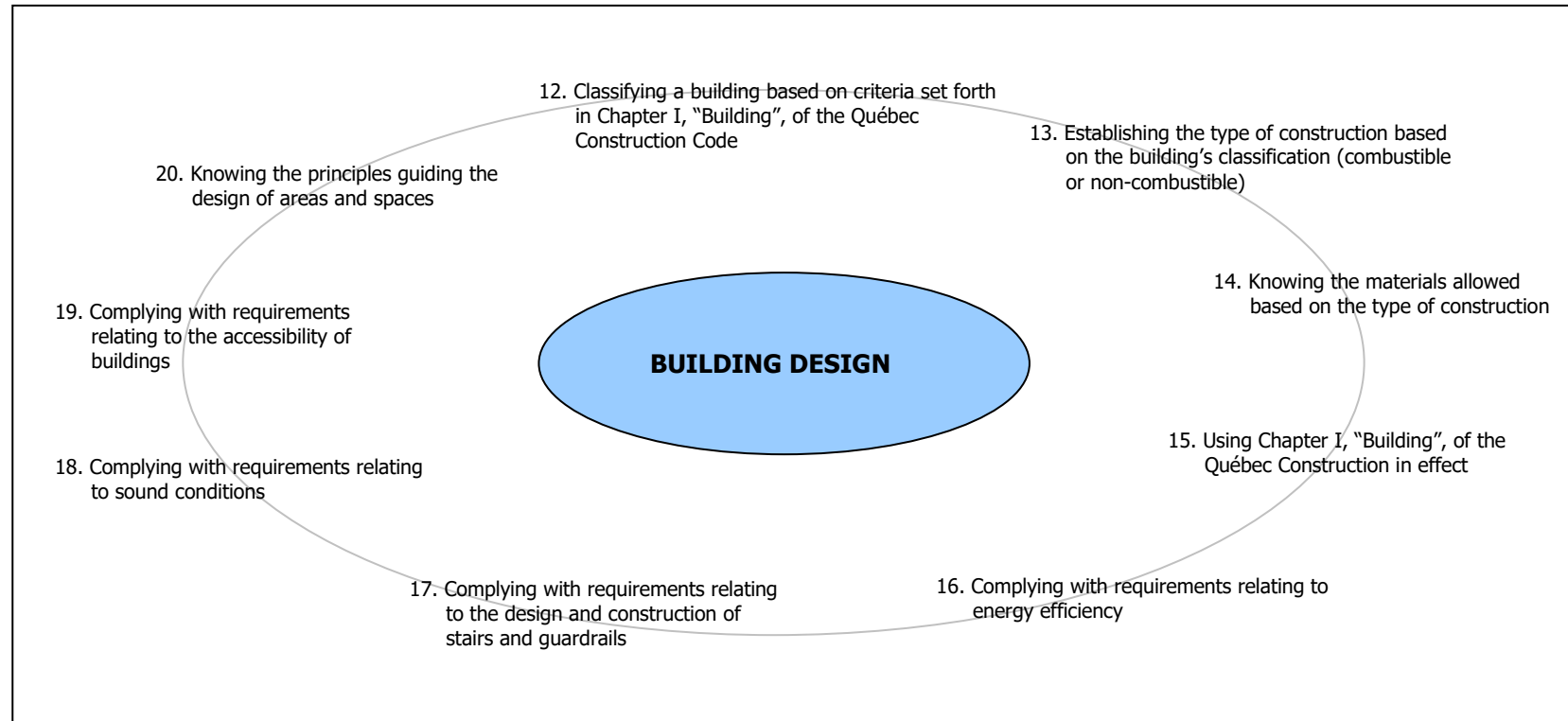
**ROLES AND RESPONSIBILITIES OF GUARANTORS**

ELEMENTS OF COMPETENCY	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	11.2. Planning the order in which work must be carried out.	√	√	√	√
	11.3. Using different visual tools such as the Gantt chart.	√	√	√	√



## BUILDING DESIGN AND CONSTRUCTION

### ELEMENTS OF COMPETENCE



## BUILDING DESIGN AND CONSTRUCTION

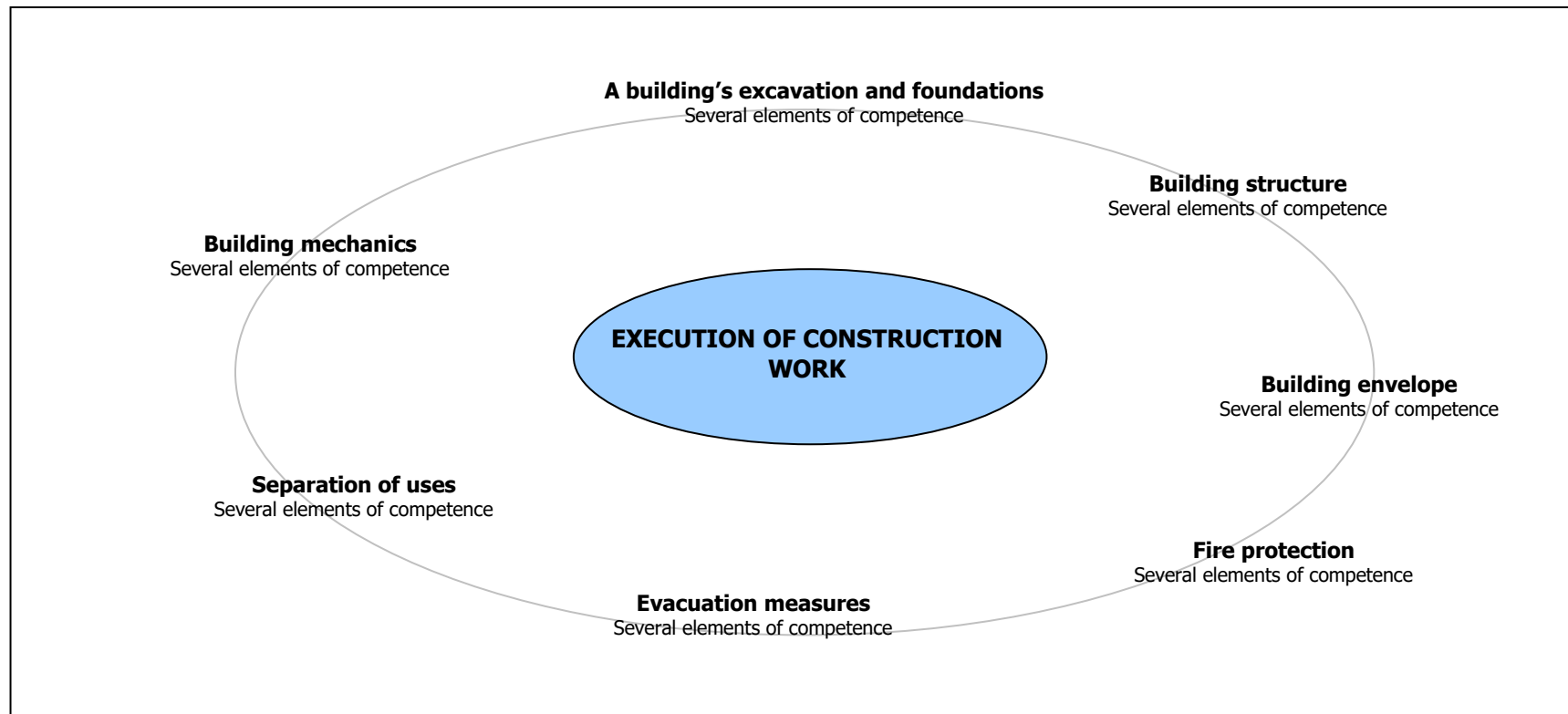
ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
12. Classifying a building based on criteria set forth in Chapter I, "Building", of the Québec Construction Code.	12.1. Establishing a building's height, area and use.		√	√	√
	12.2 Referring to the Code to determine a building's classification.		√	√	√
13. Establishing the type of construction based on the building's classification (combustible or non-combustible).	13.1. Referring to Chapter I, "Building", of the Québec Construction Code to determine the type of construction authorized.			√	√
	13.2. Taking into account a building's characteristics, based on its overall uses (presence of sprinkles, building height, fire separations, types of structures, etc.).			√	√
14. Knowing materials allowed based on the type of construction.	14.1. Applying requirements relating to combustible materials authorized in buildings required to be non-combustible.			√	√
	14.2. Understanding the different types of materials allowed or required based on the type of construction.			√	√
15. Using Chapter I, "Building", of the Québec Construction Code in effect.	15.1. Understanding the structure of information in Chapter I, "Building", in the Construction Code.	√	√	√	√
	15.2. Understanding the Code's principle based on objectives.	√	√	√	√
	15.3. Ability to locate, in the Code, information required by the project.	√	√	√	√
	15.4. Ability to determine whether or not a building is subject to municipal or provincial regulations.	√	√	√	√
	15.5. Determining municipal by-laws.				
	15.6. Establishing the applicability of certain chapters of the Building Act, notably:				
	- Chapter II, "Building work" (Construction Code);	√	√	√	√
	- Chapter III, "Public safety" (Safety Code);			√	√
- Chapter IV, "Vocational qualification of contractors and owner-builders" (licences).	√	√	√	√	
16. Complying with requirements relating to energy efficiency.	16.1. Ensuring that the building complies with prevailing regulations relating to energy efficiency.	√	√	√	√
17. Complying with requirements relating to the	17.1. Knowing the terms relating to stairs.	√	√	√	√

## BUILDING DESIGN AND CONSTRUCTION

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
design and construction of stairs and guardrails.	17.2. Complying with requirements relating to stairs.	√	√	√	√
	17.3. Mastering the sizing of stairs.	√	√	√	√
	17.4. Managing the execution of stair construction work.	√	√	√	√
18. Complying with requirements relating to healthy conditions.	18.1. Complying with requirements relating to sanitary facilities.	√	√	√	√
19. Complying with requirements relating to the accessibility of buildings.	19.1. Knowing the buildings subject to the requirements of barrier-free accessibility and design.	√	√	√	√
	19.2. Complying with requirements relating to accessibility and possible exemptions.		√	√	√
	19.3. Complying with requirements relating to the protection of disabled persons in barrier-free floor areas.		√	√	√
	19.4. Complying with requirements relating to accessible toilets, appropriate equipment, dimensions and manoeuvring areas.		√	√	√
	19.5. Knowing the notion of "barrier-free path of travel" and related requirements (widths, floor openings, uneven flooring, slopes, door sills, electric doors, parking stalls, access ramps, access to elevators or elevating devices for disabled persons, etc.).		√	√	√
	19.6. Complying with requirements relating to accessibility inside housing units.		√	√	√
	19.7. Complying with requirements relating to accessibility inside hotel rooms.		√	√	√
20. Knowing the principles guiding the design of areas and spaces.	20.1. Complying with requirements relating to barrier-free access inside a building.		√	√	√
	20.2. Complying with requirements relating to barrier-free paths.		√	√	√
	20.3. Complying with requirements relating to buildings' accessibility and adaptability.		√	√	√
	20.4. Complying with requirements relating to the clearance height of mezzanines.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

### ELEMENTS OF COMPETENCE



## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
<b>A building's excavation and foundations</b>					
21. Complying with requirements relating to excavations.	21.1. Understanding the importance of excavation work based on frost-penetration depth.	√	√	√	√
	21.2. Understanding the importance of placing foundations on undisturbed soil.	√	√	√	√
22. Complying with requirements relating to backfilling.	22.1. Referring to the appropriate standard for backfilling (Part 4, "Structural Design", Chapter I, "Building", of the Québec Construction Code)		√		√
	22.2. Checking if the type of existing soil is suited to the backfill.	√	√	√	√
	22.3. Applying the positive slope principle when backfilling.	√	√	√	√
	22.4. Determining the required excavation slopes based on the type of soil.	√	√	√	√
23. Managing the execution of excavation and backfilling work.	23.1. Recognizing situations where a soil test carried out by a specialized firm is required (types of soil, types of projects, etc.).	√	√	√	√
	23.2. Recognizing the type of soil and evaluating its load-bearing capacity (allowable pressure).	√	√	√	√
	23.3. Complying with requirements relating to the sealing of concrete slabs.	√	√	√	√
24. Complying with requirements relating to protection against moisture and underground gas infiltration.	24.1. Ensuring that groundwater does not affect foundations.	√	√	√	√
	24.2. Applying requirements relating to the protection of floors from the infiltration of underground gases.	√	√	√	√
	24.3. Complying with requirements relating to the protection of masonry walls from moisture.	√	√	√	√
	24.4. Ensuring the underground drainage of foundations.	√	√	√	√
25. Complying with requirements relating to drainage.	25.1. Ensuring the drainage of surface water.	√	√	√	√
	25.2. Complying with requirements relating to foundations and footings.	√	√	√	√
26. Complying with requirements relating to foundations and footings.	26.1. Checking excavation levels before building foundations.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
27. Managing the execution of foundation work.	27.1. Building different types of foundations based on the soil and load to be supported.	√	√	√	√
	27.2. Placing footing formwork taking into account back and lateral setbacks.	√	√	√	√
	27.3. Checking the key path or anchor.	√	√	√	√
	27.4. Monitoring the placement of concrete.	√	√	√	√
	27.5. Ensuring the adequate curing of the concrete.	√	√	√	√
	27.6. Ensuring adequate control of the backfill.	√	√	√	√
	27.7. Understanding the notion of lateral thrust.	√	√	√	√
<b>Building structure</b>					
28. Ensuring compliance with requirements relating to structural design (Part 4, Chapter I, "Building", of the Québec Construction Code).	28.1. Identifying, on plans, errors or constraints that can hamper a project's execution.	√	√	√	√
	28.2. Ensuring compliance with requirements relating to temporary works such as temporary walls, scaffolding and forms.	√	√	√	√
	28.3. Understanding the different loads that can affect on the building.	√	√	√	√
	28.4. Complying with requirements relating to foundations (materials used, types of soil, etc.).	√	√	√	√
29. Understanding load transfer mechanisms and the different types of structures based on the type of building and work authorized by the subclass.	29.1. Understanding the vocabulary related to different types of loads.	√	√	√	√
	29.2. Identifying the impacts of wind, earthquakes, etc. on a building.	√	√	√	√
	29.3. Understanding the effects of loads on a structure.	√	√	√	√
	29.4. Understanding the characteristics of different types of loads.	√	√	√	√
	29.5. Identifying critical load transfer elements and locations.	√	√	√	√
	29.6. Understanding the role of bracing and the possible impacts on its modification or absence.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
30. Knowing the basic characteristics related to the structural strength of materials.	30.1. Knowing the specifications and characteristics of piles and special foundations.	√	√	√	√
	30.2. Knowing the specifications and characteristics of different types of concrete structures (precast concrete, concrete poured on site, slab-on-ground, structural slab, etc.).	√	√	√	√
	30.3. Knowing the specifications and characteristics of masonry structures (concrete blocks, bricks, refractory bricks, etc.).	√	√	√	√
	30.4. Knowing the specifications and characteristics of metal structures and precast concrete elements.	√	√	√	√
	30.5. Knowing the specifications and characteristics of light-frame wood structures of no more than 3 storeys.	√	√	√	√
	30.6. Knowing the specifications and characteristics of light-frame wood structures of 4 to 6 storeys.		√		√
	30.7. Knowing the specifications and characteristics of different types of solid wood structures (roundwood, glue-laminated lumber, cross-laminated lumber, beam-column assembly, etc.).		√	√	√
	30.8. Knowing the possible types of assembly for mixed structures (wood-steel, steel-concrete, concrete-precast concrete, etc.).	√	√	√	√
31. Complying with requirements relating to structural strength.	31.1. Complying with regulatory requirements relating to concrete structures.	√	√	√	√
	31.2. Complying with regulatory requirements relating to masonry structures.	√	√	√	√
	31.3. Complying with regulatory requirements relating to metal structures and precast concrete elements.		√	√	√
	31.4. Complying with regulatory requirements relating to wood frames.	√	√	√	√
32. Managing the execution of structural work.	32.1. Complying with structural plans and specifications giving special attention to spans and the alignment of supports (Part 4, Chapter I, "Building", of the Québec Construction Code).	√	√	√	√
	32.2. Recognizing the possible impacts of failure to comply with a structure's plans and specifications.	√	√	√	√
	32.3. Ensuring that structural elements comply with regulatory requirements.	√	√	√	√
	32.4. Ensuring the quality of materials and protecting them from weather conditions.	√	√	√	√
	32.5. Complying with requirements relating to the span of structural elements.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	32.6. Ordering the appropriate materials required for a structure's erection.	√	√	√	√
	32.7. Adequately handling and bracing roof trusses and large structural elements in compliance with the manufacturer's specifications.	√	√	√	√
	32.8. Ensuring that structural elements are properly secured and braced.	√	√	√	√
	32.9. Ensuring that lintels in load-bearing walls are properly supported right to the wall plates.	√	√	√	√
	32.10. Ensuring that a building's mechanical and electrical work does not affect the integrity of the building's structure.	√	√	√	√
<b>Building envelope</b>					
33. Complying with requirements relating to a building's envelope.	33.1. Understanding the functions of exterior cladding.	√	√	√	√
	33.2. Ensuring the integrity of the building's envelope.	√	√	√	√
	33.3. Calculating the thermal resistance of an exterior wall.	√	√	√	√
34. Complying with requirements relating to a building's envelope, insulation, intermediate sheathing, vapour barrier and air and water tightness.	34.1. Understanding the overall principle of the vapour barrier.	√	√	√	√
	34.2. Knowing the requirements relating to air and water tightness and the evacuation of water.	√	√	√	√
	34.3. Understanding the principle of drainage (roof, foundation, etc.).	√	√	√	√
	34.4. Ensuring compliance with the special requirements of Part 5, "Environmental separation", Chapter I, "Building", of the Québec Construction Code.		√		√
	34.5. Ensuring compliance with the Code's requirements relating to a building's insulation and air and water tightness.	√	√	√	√
	34.6. Knowing the field of application of Part 11, "Energy efficiency", Chapter I, "Building", of the Québec Construction Code.	√	√	√	√
35. Complying with requirements relating to energy efficiency.	35.1. Complying with the special requirements of Part 11, "Energy efficiency", Chapter I, "Building", of the Québec Construction Code.	√	√	√	√



## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	35.2. Complying with requirements relating to the energy efficiency of buildings.	√	√	√	√
	35.3. Complying with general requirements relating to the thermal resistance of various elements to be insulated.	√	√	√	√
36. Managing the execution of work on a building's envelope, insulation, intermediate sheathing, vapour barrier, and air and water tightness.	36.1. Understanding the characteristics of different types of insulation.	√	√	√	√
	36.2. Complying with manufacturers' instructions.	√	√	√	√
	36.3. Ensuring the compatibility of materials.	√	√	√	√
	36.4. Ensuring that cuts or notches in structural elements do not compromise their function.	√	√	√	√
	36.5. Ensuring that all required flashings are properly installed.	√	√	√	√
	36.6. Ensuring that all required air barriers (intermediate sheathing) are properly installed.	√	√	√	√
	36.7. Ensuring that all required vapour barriers are properly installed.	√	√	√	√
	36.8. Ensuring that all waterproofing membranes are present and properly installed.	√	√	√	√
	36.9. Ensuring that all required insulation is present and properly installed.	√	√	√	√
	36.10. Ensuring that foundations protect the building from underground gas infiltration.	√	√	√	√
	36.11. Ensuring access to insulation with the rating needed to provide the required resistance.	√	√	√	√
	36.12. Limiting the impact of thermal bridges.	√	√	√	√
	36.13. Ensuring that the level of thermal resistance provided by each element in a building's envelope complies with regulatory requirements.	√	√	√	√
	36.14. Ensuring that ventilation ducts are insulated when necessary.	√	√	√	√
36.15. Ensuring the tightness of ventilation duct joints.	√	√	√	√	
36.16. Ensuring that windows and other openings are at the proper place in a wall's composition.	√	√	√	√	

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	36.17. Ensuring that caulking is properly applied.	√	√	√	√
	36.18. Controlling insulation, air and water tightness work to reduce heat loss and water infiltration through the building's envelope.	√	√	√	√
	36.19. Ensuring compliance with regulatory requirements relating to all types of insulation (thermal insulation, acoustic insulation, fireproofing, etc.).	√	√	√	√
37. Complying with requirements relating to doors and windows.	37.1. Explaining cases when a guardrail or other mechanism is required to control the swinging or sliding part of a window and limit its opening (vertically or horizontally).	√	√	√	√
	37.2. Knowing the requirements relating to the intrusion resistance of doors.	√	√	√	√
	37.3. Complying with requirements relating to the height of doorsills.	√	√	√	√
	37.4. Explaining requirements relating to the minimum sizes of a room's windows in a building without sprinklers.	√	√	√	√
38. Managing the execution of work on doors and windows.	38.1. Calling on the services of an engineer when modifying a structure.	√	√	√	√
	38.2. Ensuring that doors and windows are properly installed.	√	√	√	√
	38.3. Ensuring that the doors and windows to be installed comply with applicable standards.	√	√	√	√
	38.4. Complying with manufacturers' specifications.	√	√	√	√
39. Complying with requirements relating to materials, installations and equipment.	39.1. Understanding the impact of the groundwater table on allowable ground pressure.	√	√	√	√
	39.2. Knowing the techniques for protecting wood from termites and rotting.	√	√	√	√
40. Complying with requirements relating to roof spaces.	40.1. Explaining requirements relating to the ventilation of roof spaces.	√	√	√	√
<b>Fire protection</b>					
41. Defining the key terms relating to fire detection and alarm systems.	41.1. Knowing the fire protection definitions in Chapter I, "Building", of the Québec Construction Code.	√	√	√	√
	41.2. Distinguishing between a smoke detector and a smoke alarm.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	41.3. Distinguishing between a firewall and a fire separation.	√	√	√	√
	41.4. Distinguishing between an exit and access to an exit.	√	√	√	√
42. Complying with requirements relating to fire protection.	42.1. Understanding the principle justifying requirements relating to the protection of an exit from a fire originating in a building's fireproof compartment.	√	√	√	√
	42.2. Knowing standards applicable to fire protection.	√	√	√	√
	42.3. Explaining how to ensure the fire protection rating required for closing devices.	√	√	√	√
	42.4. Complying with requirements seeking to control smoke spread.	√	√	√	√
	42.5. Complying with special requirements relating to high-rise buildings.		√		√
	42.6. Complying with requirements relating to exits.	√	√	√	√
	42.7. Complying with requirements relating to smoke alarms and detectors.	√	√	√	√
	42.8. Knowing the requirements of various materials as they relate to smoke spread (toxic smoke, flame spread, etc.).	√	√	√	√
43. Complying with requirements relating to fire detection and alarm systems.	43.1. Complying with requirements relating to the installation and verification of a fire alarm system.	√	√	√	√
	43.2. Complying with requirements relating to a fire detection and alarm system (buildings where installation is mandatory, the signal's audibility, etc.).	√	√	√	√
	43.3. Naming criteria relating to the signal's loss of audibility.	√	√	√	√
	43.4. Complying with requirements relating to smoke detectors.	√	√	√	√
	43.5. Knowing the backup power supply required for the fire alarm system.	√	√	√	√
44. Complying with requirements relating to firefighting measures.	44.1. Understanding the notion of access route.	√	√	√	√
	44.2. Complying with requirements relating to access routes.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	44.3. Ensuring compliance with requirements relating to firefighting equipment needed.		√		√
45. Complying with requirements relating to fire protection — exits.	45.1. Complying with requirements relating to door sizes.		√	√	√
	45.2. Complying with requirements relating to accesses to exits.		√	√	√
	45.3. Complying to requirements relating to exits.		√	√	√
	45.4. Complying with requirements relating to exits from a hall or mezzanine.		√	√	√
	45.5. Complying with requirement relating to exits from housing units with a mezzanine or housing units on two levels in multi-unit buildings.		√	√	√
	45.6. Complying with the rule for establishing requirements in the case of several main uses.			√	√
	45.7. Complying with requirements relating to common exits from multi-unit buildings.	√	√	√	√
	45.8. Complying with requirements relating to suspended ceilings.	√	√	√	√
	45.9. Complying with requirements relating to the protection of mezzanines.		√	√	√
	45.10. Complying with requirements relating to the protection of interconnected floor areas.	√	√	√	√
	45.11. Complying with requirements relating to a basement garage.	√	√	√	√
46. Complying with requirements relating to fire protection — fire propagation.	46.1. Complying with requirements relating to the integrity of fire separations.	√	√	√	√
	46.2. Complying with factors determining whether or not a fire separation is required.	√	√	√	√
	46.3. Understanding the notions of firewall and fire separation.	√	√	√	√
	46.4. Complying with requirements relating to the prevention of flame-spread.	√	√	√	√
	46.5. Complying with requirements relating to protection from one compartment to the next (soffits, unprotected openings, etc.).	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	46.6. Complying with requirements relating to blocking devices in a fire separation.	√	√	√	√
	46.7. Complying with requirements relating to the protection of pipes and wires.	√	√	√	√
	46.8. Complying with requirements relating to the obligation to install reinforced glass.	√	√	√	√
	46.9. Complying with air and water tightness requirements for walls and doors.	√	√	√	√
	46.10. Complying with the principle underlying requirements relating to space separations.	√	√	√	√
	46.11. Complying with requirements for protecting roof areas from fire.	√	√	√	√
	46.12. Distinguishing materials with a low flame-spread rating from those with a high rating.	√	√	√	√
	46.13. Complying with requirements relating to plastic foam.	√	√	√	√
	46.14. Using materials whose flame-spread rating meets the requirements of Chapter I, "Building", of the Québec Construction Code.	√	√	√	√
	46.15. Complying with requirements relating to fire alarm systems (based on use, dimensions and the number of persons).	√	√	√	√
47. Managing the execution of work relating to fire protection.	47.1. Ensuring that, if required in the plans and specifications, fire protection systems are installed by a contractor holding the appropriate subclass licence, in compliance with standards in effect in Québec: <ul style="list-style-type: none"> <li>• lightning protection systems (subclass 13.1);</li> <li>• fire alarm systems (subclass 13.2);</li> <li>• fire extinguishing systems (subclass 13.3);</li> <li>• local fire extinguishing systems (subclass 13.4).</li> </ul>		√		√
	47.2. Understanding the incorporation by reference of prevailing standards in Chapter I, "Building", of the Québec Construction Code.	√	√	√	√
	47.3. Complying with manufacturers' specifications without compromising compliance with the Construction Code.	√	√	√	√
	47.4. Ensuring the compliance of fire protection systems.		√		√
	47.5. Ensuring the systems' elements are securely attached to structural elements.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	47.6. Ensuring that work requiring piercings or notches do not affect the integrity of a building's structure or fire separations.	√	√	√	√
48. Complying with requirements relating to masonry and concrete chimneys and smoke stacks.	48.1. Referring to standards applicable to different types of fireplaces.	√	√	√	√
<b>Evacuation measures</b>					
49. Defining key terms relating to evacuation measures.	49.1. Knowing the terms relating to evacuation measures.	√	√	√	√
50. Complying with requirements relating to evacuation measures.	50.1. Complying with the distance of pathways relating to evacuation measures (access to exits and exits) in order to establish the number of exits required.	√	√	√	√
	50.2. Complying with the required number of exits and accesses to exits.	√	√	√	√
	50.3. Understanding the notion of dead-end corridors.	√	√	√	√
	50.4. Identifying places where requirements relating to the direction in which doors open apply.	√	√	√	√
	50.5. Complying with requirements relating to the protection of fire exits.	√	√	√	√
	50.6. Complying with requirements relating to evacuation measures based on the different types of premises.	√	√	√	√
	50.7. Calculating the number of persons who will use the exits at the same time, in order to establish requirements relating to exits.	√	√	√	√
	50.8. Knowing the notions relating to evacuation measures.	√	√	√	√
51. Complying with requirements relating to accident prevention.	51.1. Ensuring the proper winding of staircase steps.	√	√	√	√
	51.2. Establishing the required height of guardrails.	√	√	√	√
	51.3. Complying with the requirements of Chapter I, "Building", of the Québec Construction Code for the design of a staircase.	√	√	√	√
	51.4. Complying with requirements relating to the different types of doors that may be required by the Code.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
52. Complying with special requirements relating to tents and inflatable structures.	52.1. Complying with requirements relating to evacuation measures applicable to tents and inflatable structures.			√	√
	52.2. Understanding requirements on the clearance of tents and inflatable structures from other structures.			√	√
<b>Separation of uses</b>					
53. Defining key terms relating to fire separations, space separations and the protection of facades.	53.1. Knowing the definitions of Chapter I, "Building", of the Québec Construction Code relating to the separation of different environments.		√		√
	53.2. Knowing key terms relating to fire separations, space separations and the protection of facades.	√	√	√	√
54. Applying requirements relating to space separations and the protection of facades.	54.1. Establishing the allowable percentage of unprotected openings based on a building's limiting distance, compartmentalization and use.	√	√	√	√
	54.2. Complying with requirements relating to the protection of exits and walls exposed to another wall.	√	√	√	√
	54.3. Complying with requirements relating to fire resistance and flammability, based on a building's use, height and supported elements.	√	√	√	√
55. Complying with requirements relating to the design of fire separations and firewalls.	55.1. Understanding the method for calculating the fire resistance rating of a building's element (partition, wall, floor, roof, concealed spaces, technical room, etc.).	√	√	√	√
	55.2. Determining the fire resistance of a building's element.	√	√	√	√
	55.3. Knowing the requirements relating to the design of fire separations and firewalls.	√	√	√	√
56. Complying with requirements relating to the integrity and fire resistance of fire separations.	56.1. Complying with requirements relating to the integrity of fire separations (blocking devices, fire dampers, wiring, pipes, gaskets, valves, ventilation ducts, kitchen hoods and bathroom fans, concealed spaces, etc.).	√	√	√	√
	56.2. Complying with requirements relating to the compartmentalization of part of a building.				√
	56.3. Knowing the different authorized compositions of walls for fire separations and firewalls.	√	√	√	√
	56.4. Complying with requirements relating to allowable openings, elevations and materials.	√	√	√	√
	56.5. Applying rules relating to fire separations, firewalls and fireguards.	√	√	√	√

## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	56.6. Maintaining the integrity of fire separations and firewalls.	√	√	√	√
57. Complying with requirements relating to the flame-spread rating of a material or material assemblies.	57.1. Understanding how to calculate the required flame-spread rating.	√	√	√	√
	57.2. Establishing the flame-spread rating of a material or material assemblies	√	√	√	√
	57.3. Complying with requirements relating to flame-spread.	√	√	√	√
58. Complying with requirements relating to insulation, air and water tightness and fireproofing.	58.1. Referring to the table in Chapter I, "Building", of the Québec Construction Code, detailing requirements in terms of the fire and sound ratings of walls.	√	√	√	√
	58.2. Complying with requirements relating to the transmission of sound between different parts of a building.	√	√	√	√
	58.3. Knowing the principles relating to a building's soundproofing.	√	√	√	√
	58.4. Containing and controlling different types of sound in a building.	√	√	√	√
	58.5. Knowing the regulations relating to a building's air and water tightness.	√	√	√	√
	58.6. Knowing a structure's requirements in terms of fire safety (fireproofing).			√	√
59. Managing the execution of work on interior partitions.	59.1. Ensuring basic compliance with specifications relating to the assembly of a wall or partition required to provide the fire resistance or sound transmission rating specified in the Code.	√	√	√	√
	59.2. Ensuring that assemblies required to provide a fire resistance rating reach load-bearing element or have approved blocking devices.	√	√	√	√
	59.3. Ensuring that wall openings comply with soundproofing regulations set forth in the Code.	√	√	√	√
	59.4. Ensuring that drywall and other finishing panels are installed according to best practices.	√	√	√	√
	59.5. Ensuring the compliance of wall and ceiling finishes when a fire resistance rating is required.	√	√	√	√
	59.6. Ensuring that a fire separation has the required fire resistance rating.	√	√	√	√
	59.7. Planning adequate nailing strips where required.	√	√	√	√

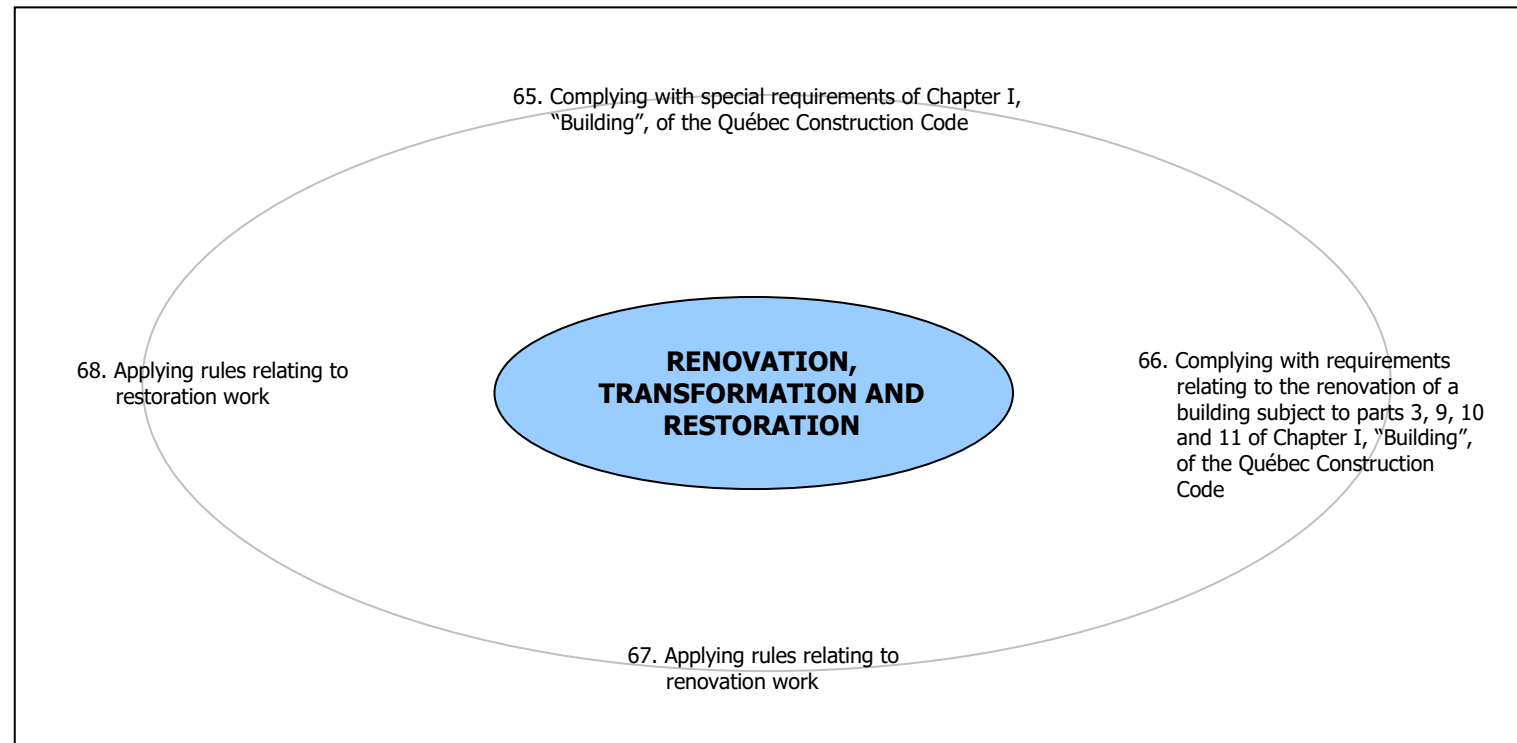


## CARRYING OUT OF CONSTRUCTION WORK

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	59.8. Ensuring that partitions are positioned and installed in compliance with plans and specifications.	√	√	√	√
<b>Building mechanics</b>					
60. Ensuring compliance with special requirements relating to heating, ventilation and air conditioning (HVAC) (Part 6 of Chapter I, "Building", of the Québec Construction Code).	60.1. Naming the characteristics of each type of HVAC equipment.	√	√	√	√
	60.2. Naming criteria for determining the installation procedure for this type of equipment (where to install in a building, presence of gas or dust, cooking equipment, etc.).	√	√	√	√
	60.3. Ensuring the compliance of ventilation systems.	√	√	√	√
61. Ensuring compliance with requirements relating to heating and air conditioning.	61.1. Ensuring adequate clearance for ducts.	√	√	√	√
	61.2. Referring to applicable heating and air conditioning standards.	√	√	√	√
	61.3. Complying with requirements relating to the protection of pipes and ducts.	√	√	√	√
	61.4. Distinguishing between natural and mechanical ventilation.	√	√	√	√
62. Ensuring compliance with requirements relating to electrical installations.	62.1. Ensuring compliance with the general requirements applicable heating and air conditioning installations in Chapter I, "Building", of the Construction Code.	√	√	√	√
	62.2. Ensuring compliance with regulations relating to electrical installations.	√	√	√	√
	62.3. Ensuring compliance with best practices in the field of energy efficiency.	√	√	√	√
	62.4. Complying with requirements relating to the installation of charging stations for electric vehicles.	√	√	√	√
63. Managing the execution of a building's electrical and mechanical work.	63.1. Ensuring compliance with plans for electrical and plumbing work.	√	√	√	√
	63.2. Ensuring compliance with regulations relating to a building's accessibility and adaptability.	√	√	√	√
	63.3. Compliance with requirements relating to sumps and catch basins.	√	√	√	√
64. Ensuring the integrity of fire separations.	64.1. Ensuring the integrity of fire separations when piercing elements for running pipes, ducts or wiring.	√	√	√	√

## RENOVATION, TRANSFORMATION AND RESTORATION

### ELEMENTS OF COMPETENCE



## RENOVATION, TRANSFORMATION AND RESTORATION

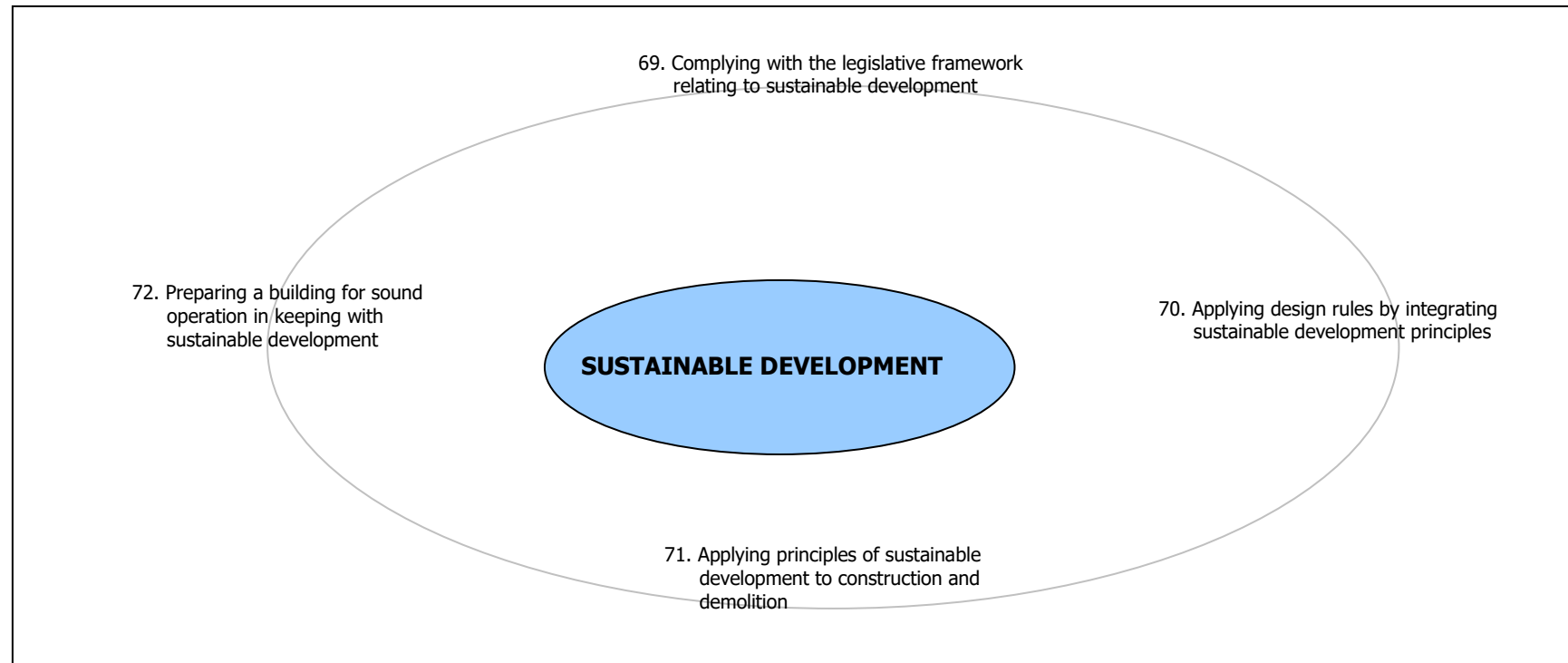
ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
65. Complying with special requirements of Chapter I, "Building", of the Québec Construction Code.	65.1. Knowing the field of application of Part 10 of Chapter I, "Building", of the Québec Construction Code.	√	√	√	√
	65.2. Knowing the objective of Part 10 of Chapter I, "Building", of the Québec Construction Code.				√
	65.3. Distinguishing among the following notions: "maintenance", "repairs", "transformation", and "upgrading to standards".			√	√
	65.4. Knowing exemptions set forth in the application of Chapter I, "Building", of the Québec Construction Code.				√
	65.5. Complying with requirements relating to evacuation measures in the case of the transformed part of a building.				√
	65.6. Ensuring compliance with requirements relating to fire alarm systems.				√
	65.7. Complying with the safety requirements of the transformed section of a building.				√
66. Complying with requirements relating to the renovation of a building subject to parts 3, 9, 10 and 11 of Chapter I, "Building", of the Québec Construction Code.	66.1. Knowing the regulation relating to renovation work based on the type of building.			√	√
	66.2. Developing a strategy for renovation work on a building, as required by the regulation applicable to said work.			√	√
	66.3. Planning for the impacts of a renovation on the building's mechanics (ex.: in the case of a change in a building's use, etc.).			√	√
	66.4. Determining the work to be carried out on a renovation.			√	√
	66.5. Determining the work to be carried out when enlarging an existing building.			√	√
67. Applying rules relating to renovation work.	67.1. Ensuring that structural modifications comply with the minimum requirements of the Construction Code.			√	√
	67.2. Ensuring that the air and water tightness of a building's envelope is maintained.			√	√
	67.3. Ensuring that the integrity of fire separations and firewalls is maintained.			√	√

## RENOVATION, TRANSFORMATION AND RESTORATION

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	67.4. Ensuring that a building's safety is maintained while work is being carried out (exits, alarm systems, sprinklers, etc.).				√
	67.5. Knowing former structural systems (log structures, cribwork structures, etc.).			√	√
	67.6. Compliance with requirements relating to load transfers when modifying a building's structure.			√	√
	67.7. Complying with requirements relating to underpinning work.			√	√
68. Applying rules relating to restoration work	68.1. Knowing differences between a renovation, a transformation and a restoration.			√	√
	68.2. Ability to recognize buildings likely to be classified as heritage buildings.			√	√
	68.3. Knowing the special nature of work carried out on heritage buildings.			√	√
	68.4 Complying with requirements related to the restoration of a construction that is part of a heritage building.			√	√
	68.5. Determining the work required by a restoration.			√	√

## SUSTAINABLE DEVELOPMENT

### ELEMENTS OF COMPETENCE



### SUSTAINABLE DEVELOPMENT

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
69. Complying with the legislative framework relating to sustainable development.	69.1. Knowing the sustainable development principles applicable to work authorized by the subclass.	√	√	√	√
	69.2. Understanding the key criteria for the design of a sustainable building.	√	√	√	√
	69.3. Knowing the main certifications or reference standards in the field of sustainable development.	√	√	√	√
	69.4. Building based on the projected service life of the structure.	√	√	√	√
	69.5. Knowing the techniques and equipment reducing the consumption of drinking water.	√	√	√	√
	69.6. Knowing the techniques and equipment allowing the management of drinking water and the reuse of grey water.	√	√	√	√
	69.7. Applying energy saving principles.	√	√	√	√
	69.8. Ensuring the proper management of construction, renovation and demolition waste (CRD).	√	√	√	√
70. Applying design rules by integrating sustainable development principles.	70.1. Knowing the criteria for the selection of preferred sites.	√	√	√	√
	70.2. Establishing design strategies integrating principles of sustainable development.	√	√	√	√
	70.3. Knowing the criteria for identifying ecological materials.	√	√	√	√
	70.4. Targeting projects where wood would be a privileged structure in keeping with the Wood Charter.		√		√
	70.5. Recognizing projects lending themselves to the construction of 5 and 6-storey wood buildings.		√		√
	70.6. Understanding the instructions and explanatory guide for mass timber buildings of up to 12 storeys (complementing NBC 2010 – amended Québec).		√		√
	70.7. Favouring local wood varieties, trees harvested in compliance with sustainable practices, and pieces of new or recycled wood free of prohibited products.	√	√	√	√
	70.8. Identifying pre-built or existing elements that can be recovered.			√	√

### SUSTAINABLE DEVELOPMENT

ELEMENTS OF COMPETENCE	MINIMUM SKILLS REQUIRED (see notes on page 8)	1.1.1	1.1.2	1.2	1.3
	70.9. Targeting elements of the built heritage that can be preserved.			√	√
	70.10. Understanding housing concepts considered to be adaptable, to allow persons in loss of autonomy to remain at home as long as possible (Grow home).	√	√	√	√
	70.11. Ability to offer professional designers concepts related to sustainable construction.	√	√	√	√
	70.12. Knowing the characteristics of green and smart buildings.	√	√	√	√
	70.13. Knowing the requirements of the Act respecting land use planning and development.	√	√	√	√
	70.14. Knowing the regulation relating to architectural implementation and integration plans.	√	√	√	√
71. Applying principles of sustainable development to construction and demolition.	71.1. Establishing construction strategies making it possible to limit the loss of materials.	√	√	√	√
	71.2. Establishing renovation, deconstruction and demolition strategies making it possible to limit the loss of materials.			√	√
	71.3. Adapting the stocking and handling of materials to protect them from weather conditions and preserve their quality.	√	√	√	√
72. Preparing a building for sound operation in keeping with sustainable development.	72.1. Building so as to facilitate a building's maintenance and prevent moisture and fungal contamination once construction is complete (dry rot, etc.).	√	√	√	√