	Canadian Standard of Competency for Architects						
	Full Version  Required Form of Comprehension						
Marc	ch 2023	GRAMMI	(See last page for details)				
•	1.1		e an architectural functional program	2			
	1.1	1.1.1	Assemble and organize components and information related to an architectural functional program	3			
		1.1.1	Apply the components and information required to prepare an architectural functional program for a client				
	1.2		orate principles of sustainable development within an architectural program	3			
	1.4	1.2.1		3			
			Identify design strategies that maximize the benefits of existing environmental conditions				
		1.2.2	Apply the principles of sustainable and resilient development				
	1.3		te the architectural program	5			
		1.3.1	Evaluate the feasibility of the program with respect to project constraints and opportunities				
		1.3.2	Evaluate the feasibility of the program relative to the site				
		1.3.3.	Evaluate the project and construction cost, and budget implications of the program				
		1.3.4	Evaluate the program against stated client objectives				
		1.3.5	Evaluate the sustainability and resilience elements of the program				
2			VIRONMENTAL ANALYSIS				
	2.1	=	se solutions to the siting of a building in relation to its environment	5			
		2.1.1	Propose sustainable grading and storm water management solutions				
		2.1.2	Evaluate the siting of the building in relation to sustainability and resilience				
		2.1.3	Propose solutions for the siting of the building in relation to access and circulation				
		2.1.4	Evaluate the siting of the building in relation to the data derived from engineering, geotechnical and environmental reports, land surveys and land title searches				
		2.1.5	Evaluate the siting of a building in relation to zoning and other regulatory requirements				
3	SCHE	EMATIC I					
	3.1	Define	schematic design principles and approaches	2			
		3.1.1	Understand the history of architecture – globally and locally				
		3.1.2	Understand the theory of architecture – historic and current				
		3.1.3	Understand the evolution of aesthetic design				
		3.1.4	Understand the evolution of environmental theory and practice				
		3.1.5	Understand the process of community consultation				
	3.2		e design principles and solutions in relation to context	4			
		3.2.1	Explain social consequences – positive and negative				
		3.2.2	Explain contextual/ environmental/ community influences				
	3.3	Evalua	te aesthetics of design solutions	5			
		3.3.1	Evaluate massing/form and proportion/scale				
		3.3.2	Evaluate materials in relation to selection criteria				
		3.3.3	Evaluate aesthetic rigour and coherence				
		3.3.4	Evaluate siting in relation to its impact to the aesthetic of the design solution				
	3.4	Utilize	conceptual and representational skills to imagine and communicate design concepts and solutions	3			
		3.4.1	Convey design concept using 3D visualization				
		3.4.2	Prepare graphic representations to illustrate the design concept and solution				
		3.4.3	Prepare a physical or virtual model to validate the design concept and solution				
		3.4.4	Prepare a narrative design explanation				
	3.5		s technical aspects of the schematic design solutions	5			
		3.5.1	Assess information required for schematic design				
		3.5.2	Assess the impact of factors such as human behaviour, historic precedent and design theory on				
		0.0.2	schematic design				

-	3.5.3	Assess engineering services required for the schematic design of the project
	3.5.4	Assess the scheduling implications for construction
3.6	Produc	ce schematic design solutions for a project
	3.6.1	Create a schematic design solution that complies with building codes, including accessibility requirements, specialist codes, zoning and other regulatory requirements
	3.6.2	Develop design concepts that integrate programming requirements that establish spatial relationships
	3.6.3	Create a schematic design solution that integrates consultant and/or community input
	3.6.4	Evaluate design solution alternatives
•	3.6.5	Create a sustainable design solution for a specific site, given existing physical factors and design criteria
-	3.6.6	Prepare documentation required for the client's approval
3.7	Consid	ler the principles of energy efficiency and environmental impacts
	3.7.1	Evaluate passive and active design solutions
-	3.7.2	Evaluate strategies for compliance with applicable energy and emissions objectives
•	3.7.3	Understand the principles of carbon consumption related to building design/ construction process
ENGI	NEERIN	G SYSTEMS INTEGRATION
1.1	Unders	stand structural systems and their influence on design
	4.1.1	Outline the general principles of the structural design approach
-	4.1.2	Outline the code and regulatory requirements related to structure
}	4.1.3	Illustrate the implications of design decisions on the selection of systems, materials, technology and
		construction detail
-	4.1.4	Describe the influence of site and environmental characteristics on the selection, design and construction of structural systems
	4.1.5	Illustrate the principles of primary and lateral forces and their effect on the building design
•	4.1.6	Understand soil mechanics and its influences on foundation design
ŀ	4.1.7	Understand the environmental and sustainability impact of the choice of structural system
1.2	Unders	stand mechanical systems (passive and active) and their influence on sustainability and design
	4.2.1	Summarize factors affecting selection of mechanical systems
•	4.2.2	Explain code requirements relative to passive and active mechanical systems
ŀ	4.2.3	Understand the environmental and sustainability impact of the mechanical system design
ŀ	4.2.4	Explain the influence of the mechanical system on the overall design
1.3		
	4.3.1	Rationalize the selection of lighting systems and its influence on the design in relation to the environment and sustainability
	4.3.2	Explain the influence of power supply and distribution systems, including alternative energy supply systems, on the design in relation to the environment and sustainability
	4.3.3	Explain the impact of fire alarm, security and communication systems on design
1.4		stand civil engineering systems (water management – supply, drainage and infrastructure) and influence on sustainability and design
	4.4.1	Explain the impact of the civil engineering system on the local environment, sustainability, and site
		and building design
	4.4.2	Explain the interface with municipal systems and approval process, service agreements (where applicable), etc.
1.5		e the choice of engineering system options relative to a project
	4.5.1	Analyze the advantages and limitations of the choice of structural systems
	4.5.2	Analyze the advantages and limitations of the choice of mechanical systems
	4.5.3	Analyze the impact of the choice of structural, mechanical and electrical systems, including lighting, on the building and site design
BUILE	DING CC	ST ANALYSIS
5.1	Unders	stand factors influencing cost

	5.1.1	Outline factors influencing project budget and financing, including life cycle costing	
	5.1.2	Summarize cost implications of alternate design solutions	_
	5.1.3	Illustrate the cost implications of scheduling of construction	
5.2	Under	stand methods of estimating costs (range of options)	
	5.2.1	Understand methods of estimating costs at various stages of a project (schematic design, design development, contract documents) and the architect's responsibility in relation to cost estimates	
5.3	Apply	cost estimating methods to a project	
	5.3.1	Organize resources available to prepare a cost estimate	
	5.3.2	Apply cost estimating methods to different building types and/or delivery models	
	5.3.3	Apply preferred methods of cost estimation (unit price, elemental, divisional, assembly, etc.)	
5.4	Develo	pp cost planning/ cost control methodology	
	5.4.1	Develop client's budget in conjunction with the program and the conditions for completing the project	
	5.4.2	Produce recommendations for the client following a value analysis	
5.5	Under	stand principles of life cycle costs	
	5.5.1	Understand principles of life cycle costs and the selection of materials/ systems related to their sustainability and resilience relative to a project	
COD	E RESE	ARCH	
6.1	Under: constr	stand the scope and application of the national and local building codes to the design, uction and occupancy of a building	
	6.1.1	Understand which parts of the code(s) apply to specific building projects	
	6.1.2	Understand the use of reference standards within the code	
	6.1.3	Understand the use of Division B Appendices within the code and/or its local equivalent	
6.2	Apply	code requirements to the design process	
	6.2.1	Apply building classification and construction requirements for a proposed building	
	6.2.2	Apply fire safety requirements for a proposed building	
	6.2.3	Apply floor area safety requirements for a proposed building	
6.3	Apply	code requirements to construction documents	
	6.3.1	Apply code requirements for fire safety	
	6.3.2	Apply code requirements for sound separations	
	6.3.3	Apply code requirements for safety in floor areas	
	6.3.4	Apply code requirements for exits	
	6.3.5	Apply code requirements for health	
6.4	Demoi	nstrate awareness of alternate solution provisions in national and local building codes	
	6.4.1	Have awareness of code objectives and their application	
	6.4.2	Have awareness of acceptable application of an alternative solution in building design	
	6.4.3	Have awareness of functional statements associated with a code requirement	
	6.4.4	Have awareness of documents and information required to file an alternative solution	
6.5	Apply	energy-related code requirements to a project	
	6.5.1	Apply energy-related code requirements to the design process for a project	
6.6	Apply	codes and applicable standards related to accessibility	
	6.6.1	Understand principles of equity, diversity and inclusion	
	6.6.2	Apply National/ Provincial building codes and municipal regulations	
	6.6.3	Apply CSA B651 Accessible Design for the Built Environment and other design standards	
	6.6.4	Apply principles of accessibility to a project at each of its design phases	
	IGN DEV	ELOPMENT	
7.1	Asses	s factors influencing design development	
	7.1.1	Assess information required for design development given specific conditions	
	7.1.2	Assess building construction system choices made for a particular design, including impact on sustainability	

	7.1.3	Assess material choices made for a particular design, including impact on sustainability
	7.1.4	Propose engineering services required for the design development of a given project
	7.1.5	Develop schedules and outline specifications for materials, finishes, fixed equipment and fixtures
	7.1.6	Assess strategies related to indoor air quality and energy conservation and compare alternative solutions relating to these aspects
7.2	Assess	s engineering systems and regulatory factors
	7.2.1	Assess the implications of mechanical, electrical and structural systems on design
	7.2.2	Assess the implications of building codes, including accessibility, on design
7.3	Develo	p a solution that responds to the factors influencing the design
	7.3.1	Develop detailed design solutions in response to project criteria
7.4	Evalua	te alternatives in finalizing a detailed solution
	7.4.1	Evaluate aesthetic assumptions as they apply to detailed solutions
	7.4.2	Evaluate emotional, psychological and spatial implications of a detailed solution
	7.4.3	Evaluate final form and function
	7.4.4	Evaluate solutions in relation to contextual, social, environmental and other criteria/constraints
7.5	Evalua	te detailed solutions with regards to client/user group program needs
	7.5.1	Evaluate spatial implications of detailed solutions
	7.5.2	Evaluate spatial inter-relationships of detailed solutions
7.6	Develo	p design documentation (for review and approval of the proposed solution)
	7.6.1	Develop appropriate documentation for client approval
	7.6.2	Develop appropriate documentation for authorities' approval
	7.6.3	Produce communication methodology with clients and user groups
7.7	Incorp	orate principles of energy efficiency and environmental concepts
	7.7.1	Apply the principles to exterior wall and roof assemblies
	7.7.2	Evaluate the building in relation to various sustainability programs
CON	STRUCT	ON DOCUMENTS
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		stand components of construction documents
		estand components of construction documents  Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications
	Unders	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings
8.1	8.1.1 8.1.2 8.1.3	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents
8.1	8.1.1 8.1.2 8.1.3	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  stand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  stand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  tand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  stand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  tand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  stand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers  Understand the properties of main types of finishing materials
3.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  stand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7 Create	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  tand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle  assemblies with consideration to their properties and influence on design and documentation
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7 Create 8.3.1	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  tand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of finishing materials  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle  assemblies with consideration to their properties and influence on design and documentation  Develop acoustic assemblies using sound-rating requirements
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7 Create 8.3.1 8.3.2	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  stand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle  assemblies with consideration to their properties and influence on design and documentation  Develop acoustic assemblies using sound-rating requirements  Create fire-resistant building and fire stop assemblies
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7 Create 8.3.1 8.3.2 Create	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  tand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of finishing materials  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle  assemblies with consideration to their properties and influence on design and documentation  Develop acoustic assemblies using sound-rating requirements  Create fire-resistant building and fire stop assemblies  a building envelope (design and detailing)
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7 Create 8.3.1 8.3.2 Create 8.4.1	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  tand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle  assemblies with consideration to their properties and influence on design and documentation  Develop acoustic assemblies using sound-rating requirements  Create fire-resistant building and fire stop assemblies  a building envelope (design and detailing)  Select and assemble the components of a building envelope
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7 Create 8.3.1 8.3.2 Create 8.4.1 8.4.2	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  stand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle  assemblies with consideration to their properties and influence on design and documentation  Develop acoustic assemblies using sound-rating requirements  Create fire-resistant building and fire stop assemblies  a building envelope (design and detailing)  Select and assemble the components of a building envelope  Design assemblies in relation to thermal resistance, moisture control and air tightness
8.1	8.1.1 8.1.2 8.1.3 Unders 8.2.1 8.2.2 8.2.3 8.2.4 8.2.5 8.2.6 8.2.7 Create 8.3.1 8.3.2 Create 8.4.1	Explain components of project manual (bidding requirements, contract forms, contract conditions and specifications  Explain components of working drawings  Explain hierarchy of importance among various components of construction documents  tand construction materials, their properties and influence on design and documentation  Understand appropriate use of materials for a given project  Understand structural properties of materials (wood, metal, concrete, masonry)  Understand the properties of different types of assembly materials (wood, metal, concrete, masonry)  Understand the properties of main types of insulating materials  Understand the properties of main types of air, vapour, water and weather control layers  Understand the properties of main types of finishing materials  Have awareness of the impact of materials on human and environmental health throughout their full life cycle  assemblies with consideration to their properties and influence on design and documentation  Develop acoustic assemblies using sound-rating requirements  Create fire-resistant building and fire stop assemblies  a building envelope (design and detailing)  Select and assemble the components of a building envelope

1	0 5 4	Develop a conditional and condition of the second of the s	
	8.5.1	Develop a coordinated and complete project manual, including technical specifications	
	8.5.2	Select bidding requirements and general conditions applicable to the project (contract forms, contract conditions, etc.)	
	8.5.3	Apply principles related to writing an appropriate specification	
8.6	Coordi	nate construction documents	4
	8.6.1	Review, modify and coordinate architectural construction documents (products, material assemblies) to standards and codes	
	8.6.2	Review, modify and coordinate architectural construction documents for compliance with project criteria (cost, timing, aesthetics, performance, sustainability/ resilience and environmental conditions)	
	8.6.3	Coordinate architectural documents with sub-consultant documents (structural, mechanical, electrical, etc.)	
PRO	CUREME	NT AND CONTRACT AWARD	
9.1	Summa	arize methods of realizing construction projects/ forms of project delivery	2
	9.1.1	Summarize common forms of project delivery	
9.2	Summa	arize major types of construction contracts, including purpose and obligations	2
	9.2.1	Compare different type of construction contracts	
	9.2.2	Explain the purposes of common CCDC contracts as they relate to project delivery methods	
	9.2.3	Describe the responsibilities of parties to, or referenced in, a construction contract (owner/client,	
		contractor, consultant, etc.)	
9.3		te bids submitted by contractors	5
	9.3.1	Clarify the architect's responsibility to the client in making recommendations	
	9.3.2	Evaluate submitted tenders for technical compliance	
	9.3.3	Explain bid and performance bonds and their role in the tendering process	
	9.3.4	Prepare required post-tender addenda and contract award documents	
9.4	Apply	process for considering and awarding construction contracts	3
	9.4.1	Compare responsibilities of each party involved in the tendering process	
	9.4.2	Prepare documentation required during the tendering process (addenda, clarifications, etc.)	
	9.4.2	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract	
CON	9.4.2	Prepare documentation required during the tendering process (addenda, clarifications, etc.)	
CON:	9.4.2 9.4.3 STRUCT	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract	4
	9.4.2 9.4.3 STRUCT	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ON PHASE	4
	9.4.2 9.4.3 STRUCT Analyz site)	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ION PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the	4
	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ION PHASE  The the role of architects and others in the administration of the construction contract (office and clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the	4
	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ON PHASE  the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents	4
	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1 10.1.2 10.1.3 10.1.4	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ON PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents  Identify steps to assemble evidence in preparation for arbitration or court proceedings	
10.1	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1 10.1.2 10.1.3 10.1.4	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ION PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents  Identify steps to assemble evidence in preparation for arbitration or court proceedings  Clarify contracts and professional obligations related to the observation of construction	
10.1	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1 10.1.2 10.1.3 10.1.4 Admin	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ION PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents  Identify steps to assemble evidence in preparation for arbitration or court proceedings  Clarify contracts and professional obligations related to the observation of construction ister construction phase office tasks  Administer tasks required in the construction phase (from initial construction meeting, through	
10.1	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1 10.1.2 10.1.3 10.1.4 Admin 10.2.1	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ION PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents  Identify steps to assemble evidence in preparation for arbitration or court proceedings  Clarify contracts and professional obligations related to the observation of construction  ister construction phase office tasks  Administer tasks required in the construction phase (from initial construction meeting, through construction and close out, until end of warranty period)	
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10.1	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1 10.1.2 10.1.3 10.1.4 Admin 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ON PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents  Identify steps to assemble evidence in preparation for arbitration or court proceedings  Clarify contracts and professional obligations related to the observation of construction  ster construction phase office tasks  Administer tasks required in the construction phase (from initial construction meeting, through construction and close out, until end of warranty period)  Analyze documentation required from the contractor prior to commencement of construction  Administer tasks involved in processing payment for work  Administer tasks involved in review of shop drawings and submittals  Administer the terms of the contract related to deficiencies, take-over procedures, commissioning, indemnification and warranty	4
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10.1	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1 10.1.2 10.1.3 10.1.4 Admin 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Admin 10.3.1	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ON PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents  Identify steps to assemble evidence in preparation for arbitration or court proceedings  Clarify contracts and professional obligations related to the observation of construction  ster construction phase office tasks  Administer tasks required in the construction phase (from initial construction meeting, through construction and close out, until end of warranty period)  Analyze documentation required from the contractor prior to commencement of construction  Administer tasks involved in processing payment for work  Administer tasks involved in review of shop drawings and submittals  Administer the terms of the contract related to deficiencies, take-over procedures, commissioning, indemnification and warranty  ster construction phase site tasks  Administer tasks related to the construction phase on site (from initial construction meeting, through construction and close out, until end of the warranty period)	4
10.1	9.4.2 9.4.3 STRUCT Analyz site) 10.1.1 10.1.2 10.1.3 10.1.4 Admin 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Admin 10.3.1	Prepare documentation required during the tendering process (addenda, clarifications, etc.)  Apply the process of awarding a construction contract  ON PHASE  e the role of architects and others in the administration of the construction contract (office and  Clarify the roles and responsibilities of the architect and others in the administration of the construction contract  Select mechanisms to resolve differences in interpretation, disputes and conflicts arising from the contract documents  Identify steps to assemble evidence in preparation for arbitration or court proceedings  Clarify contracts and professional obligations related to the observation of construction  ster construction phase office tasks  Administer tasks required in the construction phase (from initial construction meeting, through construction and close out, until end of warranty period)  Analyze documentation required from the contractor prior to commencement of construction  Administer tasks involved in processing payment for work  Administer tasks involved in review of shop drawings and submittals  Administer the terms of the contract related to deficiencies, take-over procedures, commissioning, indemnification and warranty  ster construction phase site tasks  Administer tasks related to the construction phase on site (from initial construction meeting, through construction and close out, until end of the warranty period)  Select procedures for monitoring construction progress	4

		10.3.6	Understand the responsibilities of the contractor and the architect relative to site safety	
		10.3.7	Understand the responsibilities of the contractor with respect to environmental impacts during construction (waste management, sediment control, etc.)	
	10.4	Admini	ster appropriate forms and documents	5
		10.4.1	Prepare certificates for payment	
		10.4.2	Select and prepare contemplated/proposed changes, change directives and changes orders	
		10.4.3	Prepare other relevant forms or reports (field review, final, review, etc.)	
		10.4.4	Evaluate claims of substantial performance/completion	
		10.4.5	Appraise professional obligations relating to lien and other related legislation	
		10.4.6	Assess professional obligations related to letters of assurance/schedules (if applicable)	
11	MAN	AGEMEN	IT OF THE PROJECT	
	11.1	Apply t	he principles of managing an architectural project	3
		11.1.1	Implement a project management process	
		11.1.2	Organize role(s) of the individuals involved in a project	
		11.1.3	Organize the contents of a project file	
	11.2	Develo	p and implement work plans	6
		11.2.1	Create and implement the main components of a work plan	
		11.2.2	Organize essential elements of effective team management (communications, objectives, etc.)	
		11.2.3	Create quality assurance process and quality control processes for a project	
12	PROF	ESSION	ALISM AND PROFESSIONAL PRACTICE	
	12.1	Consid	ler external relationships in practice management	5
		12.1.1	Assess management of consultants, personnel and teams	
		12.1.2	Establish fees for services relative to a project	
		12.1.3	Evaluate consultant service agreements	
		12.1.4	Demonstrate negotiation and dispute resolution skills	
	12.2	Consid	ler internal aspects of practice management	5
		12.2.1	Understand the business of (legal structure options for) architectural practice in relevant jurisdiction(s)	
		12.2.2	Understand finance, accounting and legal requirements for successful professional practice	
		12.2.3	Understand financial forecasting and planning for professional firm success	
		12.2.4	Assess risk management, insurance and professional business ethics	
		12.2.5	·	
		12.2.6	Apply human resource management – fair workplace, human rights, diversity, inclusion and equity	
		12.2.7	Apply strategic management of information technology	
		12.2.8 12.2.9	Describe organizational management  Describe office administration	
	12.3		stand the role of a self-governing profession in contemporary Canadian society	2
	12.0	12.3.1	Understand relevant Architects Act, and related documents	
		12.3.1	Understand the implications and obligations of a self-governing profession	
		12.3.3	Understand the legal, professional and broad ethical obligations of an architect as a member of a self-	
			governing profession, including competency and conduct requirements	
		•		

This document should be read in conjunction with Definitions of Competencies and Forms of Comprehension.

Each of the competency areas contains several sub-components (x.x). A list of indicators (x.x.x) is included for each sub-component to suggest activities that can demonstrate competence in that sub-component of the competency.

Forms of Comprehension (Blooms Levels)
1 Remember
2 Understand

- 1 Remembe 2 Understar 3 Apply 4 Analyze 5 Evaluate 6 Create

Refer to Forms of Comprehension for description of each level