

CPCBC4010B Matrix Map

(Generated Wednesday, 12 Dec 2018, 01:38am)

ELEMENTS AND PERFORMANCE CRITERIA

Element	Performance Criteria	Task / Question Map
1. Apply structural principles when planning the erection or demolition of a structure.	1.1. Main structural principles that apply to the erection or demolition of a residential low rise structure are identified.	Structural principles - Loads: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Structural principles - Forces: Q3 Application of structural principles to the planning and demolition of structures: Q1 CPCBC4010B Assessment Requirements: Q1 Q2 Workplace Task: apply the structural principles behind the safe erection and demolition of a low rise structure classified within the BCA as Class 1 and 10
	1.2. Structural performance of a structure is described in terms of the effect of section properties on various materials.	Structural principles - Properties: Q1 Q2 Q3 Q4 Q5 Application of structural principles to the planning and demolition of structures: Q1 CPCBC4010B Assessment Requirements: Q1 Q2 Workplace Task: apply the structural principles behind the safe erection and demolition of a low rise structure classified within the BCA as Class 1 and 10
	1.3. Structural performance characteristics of slabs, floors, beams, columns and retaining walls are explained and applied to the planning of the construction work.	Structural principles - Structural members: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Application of structural principles to the planning and demolition of structures: Q1 CPCBC4010B Assessment Requirements: Q1 Q3 Workplace Task: apply the structural principles behind the safe erection and demolition of a low rise structure classified within the BCA as Class 1 and 10
	1.4. Demolition of existing structures is coordinated in accordance with legislative and planning requirements, environmental standards, and safe work practices.	Structural principles - Demolition: Q1 Q2 Q3 Application of structural principles to the planning and demolition of structures: Q1 CPCBC4010B Assessment Requirements: Q1 Q4 Workplace Task: assess the structural integrity of a variety of structures found on building and construction sites

<p>2. Analyse and plan for the structural integrity of Class 1 and Class 10 buildings.</p>	<p>2.1. Relevant industry professionals are consulted as required to provide advice regarding the design process and the structural integrity of the proposed Class 1 or Class 10 building.</p>	<p>Industry professionals: Q1 Q2 Analysing and planning the structural integrity of buildings: Q1 CPCBC4010B Assessment Requirements: Q5 Q7</p>
	<p>2.2. Project documentation is collected and analysed to assist in the analysis of plans and specifications.</p>	<p>Prepare documentation: Q1 Q2 Analysing and planning the structural integrity of buildings: Q1 CPCBC4010B Assessment Requirements: Q5 Q6</p>
	<p>2.3. Project documentation is analysed for compliance with BCA requirements for bushfire, high wind, earthquake and alpine environments.</p>	<p>Prepare documentation: Q1 Q2 BCA requirements: Q1 Q2 Q3 Q4 Analysing and planning the structural integrity of buildings: Q1 CPCBC4010B Assessment Requirements: Q5 Q6 Workplace Task: Plan, coordinate and manage the laying of footings.</p>
	<p>2.4. New and emerging building technologies are assessed for application to the construction process and their compliance with BCA requirements and Australian standards.</p>	<p>BCA requirements: Q5 Q6 Analysing and planning the structural integrity of buildings: Q1 CPCBC4010B Assessment Requirements: Q5 Q7</p>
	<p>2.5. Pre-commencement site inspection is conducted to confirm analysis.</p>	<p>CPCBC4010B Assessment Requirements: Q5 Q7 Workplace Task: assess the structural integrity of a variety of structures found on building and construction sites</p>
<p>3. Plan, coordinate and manage the laying of footings.</p>	<p>3.1. Footings are set out in accordance with building's plan.</p>	<p>Footing systems: Q5 Q6 ACTIVITY: Laying of footings: Q1 Q2 CPCBC4010B Assessment Requirements: Q12 Workplace Task: coordinate, plan, implement and check the building of a low rise structure.</p>
	<p>3.2. Structural integrity of the footings specified in building's plan is assessed for compliance with relevant codes and accepted industry construction principles.</p>	<p>Footing systems: Q5 Q6 ACTIVITY: Laying of footings: Q1 Q2 CPCBC4010B Assessment Requirements: Q12 Workplace Task: Plan, coordinate and manage the laying of footings.</p>

	3.3. Footings specified in building's plan are laid and checked for compliance with project documentation.	<p>Footing systems: Q5</p> <p>ACTIVITY: Laying of footings: Q1 Q2</p> <p>CPCBC4010B Assessment Requirements: Q12</p> <p>Workplace Task: coordinate, plan, implement and check the building of a low rise structure.</p>
	3.4. Damp coursing, provision of termite barriers, and other relevant techniques are planned, implemented and checked in accordance with codes, standards and industry practice.	<p>Footing systems: Q4</p> <p>ACTIVITY: Laying of footings: Q1 Q2</p> <p>CPCBC4010B Assessment Requirements: Q12</p> <p>Workplace Task: Plan, coordinate and manage the laying of footings.</p>
4. Plan, coordinate and manage the laying of floor system.	4.1. Concrete slab or bearers and joists specified in building's plan are assessed for structural integrity and compliance with relevant codes and accepted industry construction principles.	<p>Floor systems: Q1 Q2 Q3</p> <p>ACTIVITY: Laying of floor system: Q1</p> <p>CPCBC4010B Assessment Requirements: Q13</p> <p>Workplace Task: Plan, coordinate and manage the laying of floor system</p>
	4.2. Laying of floor system specified in building's plan is supervised and checked for compliance with project documentation.	<p>Floor systems: Q4 Q5</p> <p>ACTIVITY: Laying of floor system: Q1</p> <p>CPCBC4010B Assessment Requirements: Q13</p> <p>Workplace Task: Plan, coordinate and manage the laying of floor system</p>
5. Plan, coordinate and manage the building of structural and non-structural wall systems.	5.1. Technical construction principles and performance of materials used in the construction are identified and analysed in the planning of the building and construction project.	<p>Wall systems: Q1 Q2 Q3 Q4 Q5 Q6</p> <p>ACTIVITY: Laying of wall system: Q1</p> <p>CPCBC4010B Assessment Requirements: Q14</p> <p>Glazing and Thermal Performance: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</p> <p>Constructing load bearing block walls: Q2 Q3</p> <p>Control joints for block-work: Q1 Q2 Q3 Q4</p> <p>Workplace Task: Plan, coordinate and manage the building of structural and non-structural wall systems</p>

	<p>5.2. Application of bracing requirements, tie-downs, tolerances, allowances, and fixing and installation of components are planned, implemented and checked for compliance with relevant Australian standards, codes and manufacturer specifications.</p>	<p>Wall systems: Q2 Q3 Q4 Q6 ACTIVITY: Laying of wall system: Q1 CPCBC4010B Assessment Requirements: Q6 Q14 Control joints for block-work: Q1 Q2 Q3 Q4 Workplace Task: Plan, coordinate and manage the building of structural and non-structural wall systems</p>
	<p>5.3. Structural timber members are selected for low rise buildings to conform to AS1684 requirements.</p>	<p>Wall systems: Q1 Q2 Q3 Q4 Q5 Q6 ACTIVITY: Laying of wall system: Q1 CPCBC4010B Assessment Requirements: Q6 Q14 Workplace Task: Plan, coordinate and manage the building of structural and non-structural wall systems</p>
	<p>5.4. Processes are put in place and managed to ensure quality of the frame, whether factory pre-cut and pre-nailed, factory pre-cut and assembled on site, or cut and assembled on site.</p>	<p>Wall systems: Q1 Q5 ACTIVITY: Laying of wall system: Q1 CPCBC4010B Assessment Requirements: Q14 Workplace Task: Plan, coordinate and manage the building of structural and non-structural wall systems</p>
	<p>5.5. Vapour permeable sarking or a waterproof membrane, relevant to construction method, is attached and checked.</p>	<p>Wall systems: Q1 Q2 Q3 Q4 Q5 Q6 ACTIVITY: Laying of wall system: Q1 CPCBC4010B Assessment Requirements: Q14 Vapour Barriers: Q1 Q2 Workplace Task: Install vapour permeable sarking or a waterproof membrane</p>
<p>6. Plan, coordinate and manage the building of roof system.</p>	<p>6.1. Structural integrity of roof system components specified in building's plan is assessed for compliance with relevant codes and accepted industry construction principles.</p>	<p>Roof systems: Q1 Q2 Q3 Q4 Q5 Principles of roof truss design: Q1 Q2 Q3 Q4 Q5 Relevant Australian Standards for pitched roofs: Q1 Q2 ACTIVITY: Laying of roof system: Q1 CPCBC4010B Assessment Requirements: Q6 Q15 Workplace Task: assess the structural integrity of a variety of structures found on building and construction sites</p>

	6.2. Erection of roof trusses is planned, implemented and checked in accordance with requirements of building plan, type of roof being constructed, relevant codes and accepted industry construction principles.	Roof systems: Q1 Q2 Q3 Q4 Principles of roof truss design: Q1 Q2 Q3 Q4 Q5 ACTIVITY: Laying of roof system: Q1 CPCBC4010B Assessment Requirements: Q15 Workplace Task: coordinate, plan, implement and check the building of a low rise structure.
	6.3. Processes are put in place and managed to ensure quality of the manufactured roof trusses or hand-cut roof system.	Roof systems: Q1 Q3 Q4 Q5 Principles of roof truss design: Q1 Q2 Q3 Q4 Q5 Relevant Australian Standards for pitched roofs: Q1 Q2 ACTIVITY: Laying of roof system: Q1 CPCBC4010B Assessment Requirements: Q15 Workplace Task: coordinate, plan, implement and check the building of a low rise structure.
	6.4. Roof sarking and cladding are planned and installation is supervised and checked for compliance with codes, standards and industry practice.	Roof systems: Q1 Q4 Q5 ACTIVITY: Laying of roof system: Q1 Cladding systems: Q1 Q2 CPCBC4010B Assessment Requirements: Q6 Q15 Workplace Task: coordinate, plan, implement and check the building of a low rise structure.
7. Plan, coordinate and manage the external wall cladding of structure.	7.1. Structural performance of cladding to be used for bracing in the frame construction is assessed for compliance with relevant codes, manufacturer specifications and accepted industry construction principles.	Cladding systems: Q1 Q2 ACTIVITY: Laying of wall cladding system: Q1 CPCBC4010B Assessment Requirements: Q6 Q16 Glazing and Thermal Performance: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Workplace Task: Install cladding, windows and doors
	7.2. Installation of the cladding, as specified in building's plan, is supervised and checked for compliance with standards and accepted industry construction principles.	Cladding systems: Q1 Q2 ACTIVITY: Laying of wall cladding system: Q1 CPCBC4010B Assessment Requirements: Q6 Q16 Workplace Task: Install cladding, windows and doors
	7.3. Installation of windows and external doors is supervised to ensure compliance with relevant codes, manufacturer specifications and accepted industry construction principles.	Cladding systems: Q1 Q2 ACTIVITY: Laying of wall cladding system: Q1 CPCBC4010B Assessment Requirements: Q6 Q16 Glazing and Thermal Performance: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Workplace Task: Install cladding, windows and doors

REQUIRED SKILLS

Required Skill	Task / Question Map
Required skills for this unit are:	
<i>apply manufacturer specifications and Australian standards and codes</i>	<p><i>Structural principles - Loads: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>BCA requirements: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Footing systems: Q5 Q6</i></p> <p><i>Wall systems: Q5</i></p> <p><i>Roof systems: Q4</i></p> <p><i>Relevant Australian Standards for pitched roofs: Q1 Q2</i></p> <p><i>CPCBC4010B Assessment Requirements: Q4 Q6</i></p> <p><i>Workplace Task: apply the structural principles behind the safe erection and demolition of a low rise structure classified within the BCA as Class 1 and 10</i></p>
<i>apply structural principles to a variety of structures within BCA Classes 1 and 10</i>	<p><i>Structural principles - Loads: Q1</i></p> <p><i>Structural principles - Forces: Q1 Q2 Q3 Q4</i></p> <p><i>Structural principles - Properties: Q1 Q2</i></p> <p><i>Structural principles - Structural members: Q1 Q2 Q3</i></p> <p><i>BCA requirements: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Footing systems: Q5 Q6</i></p> <p><i>Wall systems: Q5</i></p> <p><i>CPCBC4010B Assessment Requirements: Q1 Q2</i></p> <p><i>Workplace Task: apply the structural principles behind the safe erection and demolition of a low rise structure classified within the BCA as Class 1 and 10</i></p>
communication skills to:	
<i>consult with industry professionals</i>	<p><i>Industry professionals: Q1 Q2</i></p> <p><i>CPCBC4010B Assessment Requirements: Q7</i></p>
<i>enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand</i>	<p><i>Structural principles - Loads: Q4 Q5</i></p> <p><i>Industry professionals: Q1 Q2</i></p> <p><i>CPCBC4010B Assessment Requirements: Q7</i></p>

<p><i>read and interpret project documentation</i></p>	<p><i>Structural principles - Properties: Q1 Q2 Q3</i> <i>Structural principles - Structural members: Q1 Q2</i> <i>Prepare documentation: Q1 Q2</i> <i>BCA requirements: Q1 Q6</i> <i>Wall systems: Q1 Q5</i> <i>CPCBC4010B Assessment Requirements: Q6</i></p>
<p><i>use language and concepts appropriate to cultural differences</i></p>	<p><i>Structural principles - Loads: Q4 Q5 Q8 Q9</i> <i>Prepare documentation: Q1 Q2</i> <i>CPCBC4010B Assessment Requirements: Q7</i></p>
<p><i>use and interpret non-verbal communication</i></p>	<p><i>Structural principles - Loads: Q1 Q2 Q3 Q6 Q7</i> <i>Prepare documentation: Q1 Q2</i> <i>CPCBC4010B Assessment Requirements: Q7</i></p>
<p><i>identify and analyse relevant information</i></p>	<p><i>Structural principles - Loads: Q1 Q2 Q3 Q6 Q7</i> <i>Prepare documentation: Q1 Q2</i> <i>BCA requirements: Q1 Q6</i> <i>CPCBC4010B Assessment Requirements: Q6</i> <i>Constructing load bearing block walls: Q2 Q3</i></p>
<p><i>select structural members based on project or specification requirements</i></p>	<p><i>Structural principles - Forces: Q1 Q2 Q3 Q4</i> <i>Structural principles - Structural members: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10</i> <i>Prepare documentation: Q1 Q2</i> <i>Footing systems: Q5 Q6</i> <i>Floor systems: Q1 Q2 Q3 Q4 Q5</i> <i>Roof systems: Q5</i> <i>CPCBC4010B Assessment Requirements: Q1 Q2 Q3 Q4</i></p>
<p><i>work safely to OHS regulations and site requirements.</i></p>	<p><i>Structural principles - Demolition: Q1 Q2 Q3</i> <i>Prepare documentation: Q1 Q2</i> <i>BCA requirements: Q3 Q4 Q5 Q6</i> <i>CPCBC4010B Assessment Requirements: Q4 Q6</i></p>

REQUIRED KNOWLEDGE

Required Knowledge	Task / Question Map
Required knowledge for this unit is:	
<i>building and construction industry contracts</i>	<i>Prepare documentation: Q1 Q2 CPCBC4010B Assessment Requirements: Q6</i>
<i>relevant state or territory building and construction codes, standards and government regulations</i>	<i>Structural principles - Loads: Q1 Q2 Q3 Q4 Q5 Q6 Structural principles - Demolition: Q1 Q2 Q3 Prepare documentation: Q1 Q2 BCA requirements: Q1 Q2 Q3 Q4 Q5 Q6 Relevant Australian Standards for pitched roofs: Q1 Q2 CPCBC4010B Assessment Requirements: Q6</i>
<i>underlying mathematics related to structural analysis</i>	<i>Structural principles - Loads: Q3 Q5 Q6 Structural principles - Properties: Q3 Q4 Q5 Structural principles - Structural members: Q1 Q2 Q3 CPCBC4010B Assessment Requirements: Q10</i>
<i>workplace safety requirements.</i>	<i>Structural principles - Demolition: Q1 Q2 Q3 Prepare documentation: Q1 Q2 CPCBC4010B Assessment Requirements: Q4 Q6</i>

CRITICAL ASPECTS

Critical Aspects	Task / Question Map
A person who demonstrates competency in this unit must be able to provide evidence of the ability to:	
<i>assess the structural integrity of a variety of structures found on building and construction sites</i>	Structural principles - Loads: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Structural principles - Structural members: Q6 Q7 Q8 Q9 Q10 Analysing and planning the structural integrity of buildings: Q1 Wall systems: Q1 Q5 CPCBC4010B Assessment Requirements: Q5 Q6 Q7 Q9 Q10 Workplace Task: assess the structural integrity of a variety of structures found on building and construction sites
<i>apply the structural principles behind the safe erection and demolition of a low rise structure classified within the BCA as Class 1 and 10</i>	Structural principles - Loads: Q1 Structural principles - Structural members: Q6 Q7 Q8 Q9 Q10 Structural principles - Demolition: Q1 Q2 Q3 Application of structural principles to the planning and demolition of structures: Q1 CPCBC4010B Assessment Requirements: Q1 Q2 Q3 Q4 Workplace Task: apply the structural principles behind the safe erection and demolition of a low rise structure classified within the BCA as Class 1 and 10
<i>apply technical construction principles to the appropriate selection, integration and building in of construction elements and components</i>	Structural principles - Loads: Q1 Q2 Q3 Q4 Q5 Structural principles - Forces: Q1 Q2 Q3 Q4 Structural principles - Structural members: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 BCA requirements: Q1 Q2 Q3 Q4 Q5 Q6 Floor systems: Q1 Q2 Q3 Roof systems: Q4 Q5 CPCBC4010B Assessment Requirements: Q8 Glazing and Thermal Performance: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Constructing load bearing block walls: Q2 Q3 Control joints for block-work: Q1 Q2 Q3 Q4 Workplace Task: Plan, coordinate and manage the laying of footings.

coordinate, plan, implement and check the building of a low rise structure.

Structural principles - Properties: Q1 Q2 Q3 Q4 Q5

Structural principles - Structural members: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10

Industry professionals: Q1 Q2

Prepare documentation: Q1 Q2

Footing systems: Q5 Q6

Floor systems: Q1 Q2 Q3

Wall systems: Q1 Q5

CPCBC4010B Assessment Requirements: Q11 Q12 Q13 Q14 Q15 Q16

Workplace Task: coordinate, plan, implement and check the building of a low rise structure.

RANGE STATEMENTS

Range Statements	Task / Question Map	
<i>Structural principles include:</i>	<i>behaviour of structural materials</i>	<i>Structural principles - Loads: Q1</i> <i>Structural principles - Structural members: Q1 Q6 Q7 Q8 Q9 Q10</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i> <i>Constructing load bearing block walls: Q2 Q3</i> <i>Control joints for block-work: Q1 Q2</i>
	<i>loads and loading</i>	<i>Structural principles - Loads: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i>
	<i>performance of beams</i>	<i>Structural principles - Loads: Q1</i> <i>Structural principles - Structural members: Q1 Q2 Q3 Q4 Q5</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i>
	<i>performance of columns</i>	<i>Structural principles - Loads: Q1</i> <i>Structural principles - Structural members: Q6</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i>
	<i>performance of roof trusses</i>	<i>Structural principles - Loads: Q1</i> <i>Structural principles - Structural members: Q8</i> <i>Roof systems: Q1 Q2 Q3 Q4 Q5</i> <i>Principles of roof truss design: Q1 Q2 Q3 Q4 Q5</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i>
	<i>section properties</i>	<i>Structural principles - Loads: Q1</i> <i>Structural principles - Properties: Q1 Q2 Q3 Q4 Q5</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i>
	<i>solution of force systems</i>	<i>Structural principles - Loads: Q1</i> <i>Structural principles - Forces: Q1 Q2 Q3 Q4</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i>
	<i>wind bracing.</i>	<i>Structural principles - Loads: Q1</i> <i>Structural principles - Structural members: Q7</i> <i>CPCBC4010B Assessment Requirements: Q1 Q9</i>

CPCCBC4010B Apply structural principles to residential low rise constructions

<i>Residential low rise buildings as described within the BCA are:</i>	<i>Class 1</i>	<i>BCA requirements: Q1 CPCCBC4010B Assessment Requirements: Q2</i>
	<i>Class 10.</i>	<i>BCA requirements: Q1 CPCCBC4010B Assessment Requirements: Q2</i>
<i>Industry professionals include:</i>	<i>architects</i>	<i>Industry professionals: Q1 Q2 CPCCBC4010B Assessment Requirements: Q7</i>
	<i>draftspersons</i>	<i>Industry professionals: Q1 Q2 CPCCBC4010B Assessment Requirements: Q7</i>
	<i>engineers</i>	<i>Industry professionals: Q1 Q2 CPCCBC4010B Assessment Requirements: Q7</i>
	<i>quantity surveyors</i>	<i>Industry professionals: Q1 Q2 CPCCBC4010B Assessment Requirements: Q7</i>
	<i>surveyors.</i>	<i>Industry professionals: Q1 Q2 CPCCBC4010B Assessment Requirements: Q7</i>
<i>Project documentation includes:</i>	<i>building approval plans</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>
	<i>contract plans</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>
	<i>designs and specifications</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>
	<i>engineer footing designs and specifications</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>
	<i>original contour survey plan</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>
	<i>registered plans</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>
	<i>retaining walls</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>
	<i>site plans</i>	<i>Prepare documentation: Q1 Q2 CPCCBC4010B Assessment Requirements: Q6</i>

	<i>soil investigation reports</i>	<i>Prepare documentation: Q1 Q2 CPCBC4010B Assessment Requirements: Q6</i>
	<i>structural floor systems, wall systems and roof systems</i>	<i>Prepare documentation: Q1 Q2 CPCBC4010B Assessment Requirements: Q6</i>
	<i>tanking designs and specifications</i>	<i>Prepare documentation: Q1 Q2 CPCBC4010B Assessment Requirements: Q6</i>
	<i>underpinning, rock anchors and shoring designs and specifications.</i>	<i>Prepare documentation: Q1 Q2 ACTIVITY: Laying of footings: Q1 Q2 CPCBC4010B Assessment Requirements: Q6</i>
<i>Footings include:</i>	<i>bored pier footings</i>	<i>Footing systems: Q1 Q2 Q3 Q4 Q5 Q6 ACTIVITY: Laying of footings: Q2 CPCBC4010B Assessment Requirements: Q12</i>
	<i>columns or stumps</i>	<i>Footing systems: Q1 Q2 Q3 Q4 Q5 Q6 ACTIVITY: Laying of footings: Q2 CPCBC4010B Assessment Requirements: Q12</i>
	<i>concrete slab floors</i>	<i>Structural principles - Structural members: Q10 Footing systems: Q1 Q2 Q3 Q4 Q5 Q6 ACTIVITY: Laying of footings: Q2 CPCBC4010B Assessment Requirements: Q12</i>
	<i>piers and beams.</i>	<i>Footing systems: Q1 Q2 Q3 Q4 Q5 Q6 ACTIVITY: Laying of footings: Q2 CPCBC4010B Assessment Requirements: Q12</i>
<i>Floor system components of the bearers and joists include:</i>	<i>compressed sheet wet area flooring</i>	<i>Floor systems: Q1 Q2 Q3 CPCBC4010B Assessment Requirements: Q13</i>
	<i>engineered floor joists</i>	<i>Floor systems: Q4 Q5 CPCBC4010B Assessment Requirements: Q13</i>
	<i>fitted (cut-in) floors</i>	<i>Floor systems: Q3 Q4 CPCBC4010B Assessment Requirements: Q13</i>
	<i>platform floor construction</i>	<i>Floor systems: Q1 Q2 CPCBC4010B Assessment Requirements: Q13</i>

	sheet flooring	Floor systems: Q1 Q2 CPCBC4010B Assessment Requirements: Q13
	tongue and groove flooring.	Floor systems: Q1 Q2 CPCBC4010B Assessment Requirements: Q13
Materials include:	cavity brick	Wall systems: Q1 Q2 Q3 Q4 Q5 Q6 CPCBC4010B Assessment Requirements: Q14
	concrete block	Wall systems: Q1 Q2 Q3 Q4 Q5 Q6 CPCBC4010B Assessment Requirements: Q14 Constructing load bearing block walls: Q1 Q2 Q3 Control joints for block-work: Q1 Q2 Q3 Q4
	structural steel	Wall systems: Q1 Q2 Q3 Q4 Q5 Q6 CPCBC4010B Assessment Requirements: Q14
	timber.	Wall systems: Q1 Q2 Q3 Q4 Q5 Q6 CPCBC4010B Assessment Requirements: Q14
Type of roof includes:	box gable	Roof systems: Q5 Roof Types: Q1 CPCBC4010B Assessment Requirements: Q15
	dual pitch roof	Roof systems: Q5 Roof Types: Q2 CPCBC4010B Assessment Requirements: Q15
	Dutch gable	Roof systems: Q5 Roof Types: Q1 Q2 Q3 Q4 CPCBC4010B Assessment Requirements: Q15
	Dutch hip	Roof systems: Q5 CPCBC4010B Assessment Requirements: Q15
	gable end	Roof systems: Q5 Roof Types: Q1 Q2 Q3 Q4 CPCBC4010B Assessment Requirements: Q15
	hip and valley	Roof systems: Q5 Roof Types: Q1 Q2 Q3 Q4 CPCBC4010B Assessment Requirements: Q15

	<i>north light</i>	<i>Roof systems: Q5</i> <i>Roof Types: Q1 Q2 Q3 Q4</i> <i>CPCBC4010B Assessment Requirements: Q15</i>
	<i>skillion.</i>	<i>Roof systems: Q5</i> <i>Roof Types: Q1 Q2 Q3 Q4</i> <i>CPCBC4010B Assessment Requirements: Q15</i>
<i>Cladding used on timber frame constructions includes:</i>	<i>brick veneer</i>	<i>Cladding systems: Q2</i> <i>CPCBC4010B Assessment Requirements: Q16</i>
	<i>coatings over base materials</i>	<i>Cladding systems: Q2</i> <i>CPCBC4010B Assessment Requirements: Q16</i>
	<i>colourbond or zincalume sheeting</i>	<i>Cladding systems: Q2</i> <i>CPCBC4010B Assessment Requirements: Q16</i>
	<i>fibre cement or compressed wood panelling</i>	<i>Cladding systems: Q2</i> <i>CPCBC4010B Assessment Requirements: Q16</i>
	<i>weatherboards.</i>	<i>Cladding systems: Q2</i> <i>CPCBC4010B Assessment Requirements: Q16</i>