

CPCBC6001

APPLY BUILDING CODES AND STANDARDS TO THE CONSTRUCTION PROCESS FOR LARGE BUILDING PROJECTS

ASSESSMENT SUMMARY

The assessment activities for *CPCBC6001 Apply building codes and standards to the construction process for large building projects* cover all aspects of the unit of competency. For Apprentices/Trainees, this includes supervisor completion of the Apprentice/Trainee Record (ATR).

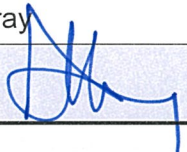
Participants must read all the information given before starting any assessment task. The assessment tasks are intended to be fair, flexible, valid and reliable. If a Participant has any questions or requires alternative arrangements to be made such requests should be directed to their Trainer/Assessor, who should note such arrangements in the 'Assessor Comments' on the affected assessment. If a Participant feels they are not yet ready to be assessed, they should discuss their options with their Trainer/Assessor.

To satisfactorily complete the assessment, the Participant is required to answer all questions correctly and demonstrate their skills to industry standards. If a Participant does not answer all questions or perform all tasks, they will be deemed 'Not Satisfactory' for the task and 'Not Yet Competent' for the unit of competency.

The Trainer/Assessor can provide the Participant with additional information on interpreting the assessment outcomes and guide the Participant's options. If a Participant is still deemed 'Not Satisfactory' they will have the opportunity to undertake a supplementary assessment or appeal the result as per the process in the Student Handbook.

By signing below, the Participant acknowledges:

- They understand the assessment instructions and requirements, and consent to being assessed.
- The work submitted is to be their own work – with the work of/with others needing to be clearly acknowledged and documented.
- They consent to any photo/video recording of their work that occurs during assessment.

Participant name	Paul Murray
Participant signature	

Pre-requisite unit(s) to be achieved and authenticated prior to undertaking assessment

☒ Not applicable

Task	Date completed	Assessment Results	
Theory Exam	Select Date.	☐ Satisfactory	☐ Not Satisfactory
Workbook	Select Date.	☐ Satisfactory	☐ Not Satisfactory
Practical Assessment	Select Date.	☐ Satisfactory	☐ Not Satisfactory
Outcome for CPCBC6001	Select Date.	☐ Competent	☐ Not Yet Competent

Evidence requirements checklist (ticked by assessor and evidence supplied to RTO)

- | | |
|---|---|
| ☒ Theory Exam
☒ Workbook
☒ Practical Assessment | ☒ Workplace Quality document/s and/or Quality Assurance Template
☒ Existing building fire protection checklist
☒ Site and Working Plans |
|---|---|

Assessor name	BRETT ROSENTHAL
Assessor signature	

CPCBC6001

APPLY BUILDING CODES AND STANDARDS TO THE CONSTRUCTION PROCESS FOR LARGE BUILDING PROJECTS

THEORY EXAM

Participant name	Paul Murray
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FOR THE PARTICIPANT
Instructions
- You will complete written questions as outlined on the following pages. You must attempt all questions and provide enough detail in your responses to demonstrate your knowledge. - It is anticipated that you should complete this assessment within two (2) hours, but additional time may be allowed upon negotiation with the Assessor. - You must complete all questions unassisted by the Assessor or other personnel but may refer to reference material as needed. All questions must be answered correctly for a 'Satisfactory' assessment outcome to be awarded. - An oral examination may be allowed under certain circumstances, whereby your answers will be documented by another party. - Any written questions that are incomplete, or not answered satisfactorily will need to be completed again after further training support. - If you answer a question incorrectly but modify your response, put your initials next to the written change (or the Assessor must initial a verbal change).
Resources required
Pen

FOR THE ASSESSOR
Instructions
- Where oral examination has occurred, ensure that this is acknowledged in writing (e.g. FT001 and Assessor Comments) - All questions must be satisfactorily demonstrated by the Participant for a Satisfactory determination (indicated by an Assessor tick to the right of the question). - Assessors are to complete marking in pen of a different colour to the Participant. - If the Participant verbally modifies their response, write in the modified response verbatim and put your initials next to the written change.

ASSESSOR COMMENTS

As necessary, outline:

- Details on reattempts, alternative arrangements or reasonable adjustments made.
- Where a Participant is deemed 'Not Satisfactory', provide recommendations for future training.

Q1. Explain why it is important to understand references the NCC makes to Australian Standards.

Answer It is important relative to ensuring compliance with:

- A The requisite quality and safety standards
- B Technical conformance in terms of structural and services infrastructure
- C Regulatory and legal requirements pertaining to design, construction and building performance



Q2. You have been asked to develop a tender proposal for a large government building in your State/Territory. Discuss in depth any legislation and Codes your submission must comply with?

Answer Compliance would be required for the following codes and legislation:

- 1 NCC codes and standards relative to design, construction and building performance
- 2. Workplace Health and Safety Act 2011 governing workplace health and safety requirements during construction and handover of the building
- 3 Australian Standards relevant to all design, construction methods, materials and systems required for the building
- 4. The Building Act 1975 – prevailing code of practice for all QLD construction works
- 5 DDA and Accessibility Regulations to ensure compliant, safe ingress and egress pathways for all people
- 6 EPA 1994 - ensuring the building is compliant with environmental, social and economic objectives
- 7 Cultural Heritage and Conservation legislation where applicable



Q3. Describe the listed NCC compliance assessment methods used to determine compliance using a Performance Solution pathway.

Answer

Assessment method	Description
Evidence of suitability	Can typically be given in support of a proposition when Calculation cannot test or simulate physical criteria then a technical expert's opinion may be accepted where it can be demonstrated that the performance solution will meet the BCA's performance standards
Verification methods	These prescribe alternative ways in which a solution complies with performance requirements and can include Calculations : Alternative approaches for a solution to meet performance requirements which are prescribed by verification methods, such as Tests : i.e. technological procedures to directly test one or more performance criteria of a particular solution, either on-site or in a laboratory; and/or Inspections : to verify that a product or system is built and installed properly to reach a certain degree of performance.
Comparison with DTS Provisions	When DTS criteria are measured against the parameters of the performance solution, the DTS option would be deemed compliant if equal or better than the performance solution
Expert Judgement	This decision is frequently made when performance criteria are difficult to measure and is based on an expert's knowledge with reference material and papers to support a conclusion



Q4. Discuss the importance of documenting quality assurance and quality control processes relevant to the build.

Answer Developing and documenting a comprehensive quality assurance plan assists in stopping errors before they happen. Well-rounded QA/QC documentation and procedures ensure that the plan meets the requisite guidelines and guarantees the most elevated industry standards are applied consistently. This approach augments effective construction methodologies, reduces the likelihood of adverse events thereby optimising time, cost and safe work outcomes.



Q5. Discuss the basic principles of structural design and how stress or strain occurs.

Answer Structural design is the discipline of calculating the various load requirements of various structures and designing a structure capable of withstanding worst-case scenarios



Stress and strain on structural elements individually, or as a whole, occurs in four stages:

- **Firstly**, the structure goes under the proportional limit in which stress is proportional to strain.
- **Secondly**, the structure begins to go under the plastic stage but can regain its shape after unloading (this is known as an elastic limit)
- In the **Third** stage, the structure reaches its ultimate stress and
- in the **Fourth** stage, stress decreases while strain increases in such a manner that the structure collapse; this point is known as a fracture point

Q6. Discuss compressive and tensile stresses on buildings?

Answer Compressive force pushes the particles of a material closer together e.g. when a column supports a load, it is under compression and its height shortens, albeit often imperceptibly.
The opposite is tensile force which tends to elongate a material



Q7. Describe considerations you make when writing workplace procedures.

Answer These should encompass and be informed by:

Quality codes and guidelines such as ISO based standards, environmental, health and safety legislation and industry practices, conduct and behavioural protocols, governing regional/national/international standards and authorities having jurisdiction, compliance documentation, NCC & BCA guidelines, standard operating procedures including related work method statements.



Q8. Discuss the listed levels found in the NCC Performance Hierarchy.

Answer

Performance Hierarchy	Description
Objectives	The objectives describe the community's expectations for buildings as aligned with the solutions outlined in the NCC which, as a performance-based code, sets the minimum required level for the safety, health, amenity, accessibility and sustainability of certain buildings.
Functional statements	Functional statements explain how the buildings will meet the goals and attain NCC compliance
Performance requirements	Performance requirements define the minimum level of performance that a building must achieve to accomplish the Objectives and Functional Statements
Building Solutions	BCA Building Solutions The first volume deals with commercial buildings, is a performance-based document with mandated 'Performance Requirements.' The BCA allows for three compliance options to meet the 'Performance Requirements': 1. By complying with the prescriptive requirements (also known as the 'Deemed-to-Satisfy' provisions), which specify how to attain compliance; or 2. By assessing a 'Performance Solution (also known as a 'Alternative Solution') by satisfying the applicable 'Performance



	Requirement' utilising the 'Verification Methods' defined within the BCA. 3. A hybrid of the two approaches.
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Q9. Discuss two (2) properties, two (2) characteristics and two (2) limitations of concrete when used for buildings.

Answer		Concrete	☐
		(is this question related to “concrete” or “cement”?)	
	Properties	Concrete in its hardened state must have the properties assumed for it in the design of the structure. The critical properties of hardened concrete are strength, durability, impermeability, and volume stability	
	Characteristics	Concrete is fire-resistant, extremely strong, and can be formed into virtually any shape. The characteristics of concrete include its plastic and hardened state properties, which are affected by the process of batching, mixing, transporting, placing, compacting, and finishing	
	Limitations	Depending upon style (precast or formed, reinforced and site poured), concrete is very expensive. ... It has a high compression strength, but a weak tensile strength comparative to other forms of structure. It isn't porous which may be disadvantageous if permeability is desired. In its raw cured state, it may be considered to be unaesthetically pleasing and require expensive lining rendering or finishing	

Q10. Discuss three (3) benefits of using glass in buildings?

Answer

1. It provides the most effective way of allowing natural light into a building
2. It may have the advantage of energy management profiling depending on final design
3. It is extremely versatile in terms of aesthetics and styling



Q11. Describe information you can determine from the working drawings and specifications when organising the excavation for the site of a three (3) storey unit block with underground parking.

Answer

All essential construction information should be available from the listed documentation:
Set-out and construction dimensions, geotechnical data, structural and service-related elements, construction methodology, environmental impact and safety requirements.



Q12. Who would you discuss materials and plans with to ensure compliance with NCC Performance Requirements and site safety. Provide two (2) and explain your answers.

Answer

The architects primarily as they would generally assume the role of lead designers responsible for the overarching formation, arrangement of the building/s, selection of elements and styles across all construction disciplines as well as for the coordination of these aspects of the project. The engineering team who would be responsible for the efficiency and integrity of the building and the related constructability processes in interpretation of the architectural design including the engineering, design, coordination and placement of services in an optimal and compliant manner.



Q13. Why may you need to use a combination of Performance Solutions and Deemed-to-Satisfy (DtS) solutions to comply with the Performance Requirements of the NCC

Answer

Practical constraints and design complexity may create the demand for a combination of DtS as well as Performance Solutions to satisfy the NCC requirements which is not unusual and a regularly adopted approach. However, the appropriate assessment methodology must be used to implement such combined solutions as defined accordingly – i.e. Verification Methods, Expert Judgement and/or comparison with the DtS provisions must all be used.



CPCCBBC6001

APPLY BUILDING CODES AND STANDARDS TO THE CONSTRUCTION PROCESS FOR LARGE BUILDING PROJECTS

WORKBOOK

Participant name	Paul Murray
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FOR THE PARTICIPANT
Instructions
- You will complete written activities as outlined on the following pages. You must attempt all questions and provide enough detail in your responses to demonstrate your knowledge. - The timeframe for these tasks will be established by your Assessor or Training Plan, but additional time may be allowed upon negotiation with the Assessor. - You must complete all questions unassisted by the Assessor or other personnel but may refer to reference material as needed. All questions must be answered correctly for a 'Satisfactory' assessment outcome to be awarded. - An oral examination may be allowed under certain circumstances, whereby your answers will be documented by another party. - Any written questions that are incomplete, or not answered satisfactorily will need to be completed again after further training support. - If you answer a question incorrectly but modify your response, put your initials next to the written change (or the Assessor must initial a verbal change).
Resources required
Pen

FOR THE ASSESSOR
Instructions
- Where oral examination has occurred, ensure that this is acknowledged in writing (e.g. FT001 and Assessor Comments) - All questions must be satisfactorily demonstrated by the Participant for a Satisfactory determination (indicated by an Assessor tick to the right of the question). - Assessors are to complete marking in pen of a different colour to the Participant. - If the Participant verbally modifies their response, write in the modified response verbatim and put your initials next to the written change.

ASSESSOR COMMENTS

As necessary, outline:

- Details on reattempts, alternative arrangements or reasonable adjustments made.
- Where a Participant is deemed 'Not Satisfactory', provide recommendations for future training.

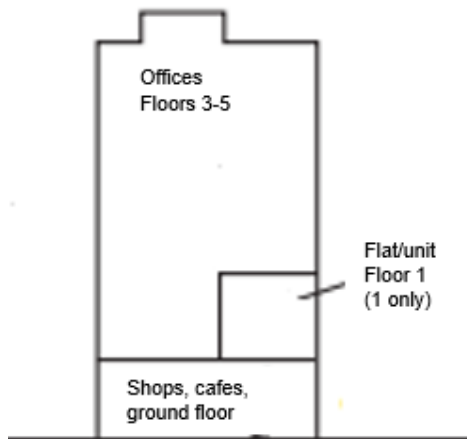
NOTE

At times, you will be provided with a specific business context to which you must respond, otherwise it is anticipated that you will use a workplace of your choosing (your own, or hypothetical) to provide the context to the task.

At all times, the responses in your assessment must reference **Australian** (Queensland or Federal) documentation, including legislation, regulations, codes of practice, standards and guidance publications.

ACTIVITY 1

Access the NCC via the internet to determine the Building Classification/s that apply to the building diagram below. The building is to contain offices in the upper floors, one caretaker flat on the first floor and shops and cafes on the ground floor. Explain your findings below.



Answer

- 1 Offices – Class 5 / business and professional occupancy
- 2 Flat / Unit – Class 4 / part of a building that is residential occupancy within a non-residential building
- 3 Shops / cafes – Class 6 – Retail occupancy, provision of services

**Satisfactory
Outcome**



ACTIVITY 2

Access the NCC via the internet to locate the requirements applicable to a building development in the Brisbane area, containing 6 sole-occupancy units, two (2) on each level, each being a separate dwelling.

This building includes one (1) basement level designated for car parking.

The proposed building structure requires reinforced concrete floors and columns.

Document your findings or where in the NCC the information can be located.

Building Description

Classification
Parking level – Class 10 Sole Occupancy Units – Class 2 C1.1 – Class A Construction
Rise in Storeys
6 sole-occupancy units @ 2 per level = 3 storeys above ground level C1.2
Number of Storeys
As above – C1.2
Type of construction
Class A
Climate Zone and description
Climate Zone 2 – warm, humid summer & mild winter Climate Zone Map – ABCB

Fire resistance and stability

Locate fire resistance information
Part C1.1 2. General Requirements 2.1 Exposure to fire-source features (a) A part of a building element is exposed to a fire-source if any of the horizontal straight lines between that part and the fire source feature, or vertical projection of the feature, is not obstructed by another part of the building that- (i) has an FRL of not less than 30/-/-; and (ii) is neither transparent nor translucent

Compartmentation and fire separation
Part C2 – Compartmentation & Separation Part 3.7.1 – Fire Separation
Fire hazard properties of materials, assemblies, fixtures and linings
Specification 7 – Fire Hazard Properties Table S7C2 & linings S7C3

Material requirements

Reinforced concrete requirements relative to Australian Standards
Part 3.2.5 Vol 2 NCC Amendment 1 Part 3.2.3 Concrete & Reinforcing Part 3.2.3.1 Concrete Part 3.2.3.2 Reinforcement
Glazing requirements specifically for windows, sliding doors with frames and balconies.
Part 3.2.5 Vol 2 NCC Amendment 1 Part 3.2.3 Concrete & Reinforcing Part 3.2.3.1 Concrete Part 3.2.3.2 Reinforcement

**Satisfactory
Outcome**



ACTIVITY 3

The building discussed in ACTIVITY 2 includes one (1) basement level designated for car parking.

Provide information required for

- Bored piling to retain the soil and enable basement walls.
- Work Health and Safety
- Water proofing
- Water ingress

Document your findings or where the information can be located.

Bored piling to retain soil and enable basement walls

AS 2159 Piling Design & Installation

Sets minimum requirements for design, installation and testing

Work Health and Safety

Workplace Health & Safety Act 2011

Provides a nationally consistent framework for health and safety to ensure a safe working environment.

Water proofing

AS 3740.2021

Part 10.2 of NCC

Sets out the requirements for materials, design and installation of water proofing.

Water ingress

Part F1 of NCC

Details how to minimise the risk of water leaking into or accumulating with a building which can cause unhealthy conditions or damage building elements.

**Satisfactory
Outcome**



CPCBC6001

APPLY BUILDING CODES AND STANDARDS TO THE CONSTRUCTION PROCESS FOR LARGE BUILDING PROJECTS

PRACTICAL ASSESSMENT

Participant name	Paul Murray
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FOR THE PARTICIPANT
Instructions
• The tasks outlined on the following pages will require performance of normal workplace activities, as a result of a structured activity set by an Observer in the workplace or a simulated activity set by your Assessor/Observer. • The timeframe for these tasks will be established by your Assessor/Observer, in consideration of location conditions and industry requirements. • You must complete all tasks unassisted by the Assessor or other personnel, unless the steps note this assistance. • You must attempt all tasks (and itemised steps) for a 'Satisfactory' assessment outcome to be awarded. ○ For any observation conducted that is incomplete, or without satisfactory performance, the observation will need to be completed again after further training support.

FOR THE ASSESSOR/OBSERVER
Instructions
• The following observation record should be used to judge and record your observations of the Participant as they complete the task(s) set. You must record your observations of the Participant's performance. ○ For each occasion, indicate the task performed and whether it was a simulation or workplace-based task. ▪ Any simulated assessment must ensure the Participant still performs under workplace conditions which reflect industry standards. ○ In the comments, provide clear detail regarding the task that the Participant was required to do (e.g. PPE used, materials handled, attachments connected, plant types). • All steps must be satisfactorily demonstrated by the Participant for a 'Satisfactory' determination (indicated by an Assessor tick to the right of each itemised step, or an Observer tick to the right of each itemised step, and confirmation by an Assessor in the Assessor Comments). ○ Where you have determined that one or more task steps have not been satisfactorily demonstrated, provide the Participant with additional support and outline details of such assistance in the Assessor/Observer Comments. Allow the Participant two (2) further opportunities to demonstrate the task again to allow an opportunity for a 'Satisfactory' assessment outcome to be achieved. ○ If after three (3) attempts the Assessor determines that the Participant cannot demonstrate the required steps, a 'Not Satisfactory' outcome is to be determined.

TASK OUTCOME					
Task	Date	Task Type (Tick)	Location	Task outcome (Tick)	
				Satisfactory	Not Satisfactory
Task 1	5/06/2024	☒ Workplace ☐ Simulation		☒	☐

ASSESSOR COMMENTS: GENERAL

As necessary, outline:

- Details on reattempts, alternative arrangements or reasonable adjustments made.
- Where a Participant is deemed 'Not Satisfactory', provide recommendations for future training.

All tasks performed satisfactorily

ASSESSOR COMMENTS: PRACTICAL TASK 1

- ☒ Individual student (as named on cover page)
☐ Multiple students [☐ All from Attendance Report, ☐ Specific students involved – identify students]

Task	Provide detail
1.1A.	Specify how scope of work was determined: The SoW was determined based upon actual design and site works occurring at present Paul performed review of specifications and IFC drawing sets as provided by architects and design consultants to facilitate the commencement of site works. Design and site meetings were also conducted, ensuring that all elements were in accordance with relevant standards
1.1A.	Specify how general requirements and prescriptive requirements of the NCC were determined and documented: Paul used the course material as well as sourced from NCC information online
1.1B.	How were relevant Australian Standards identified and located: These were identified through course material and the NCC documents and located via the BW information platform
1.2A. 1.2B. 1.3A. 1.3H. 1.5C. 1.5D.	Specify (✓) where building classifications, criteria requirements and performance solutions were documented: ☒ Workplace Quality document ☒ Quality Assurance Template ☐ Other (please specify): ☐ Document attached as evidence
1.3F.	Specify (✓) who was consulted regarding compliance options: ☒ Project management ☐ Relevant tradesperson ☐ Builder ☐ Supplier ☒ Other (please specify): Design Consultants
1.4A. 1.4B.	Specify (✓) where NCC requirements for passive and active fire protection and performance solutions were documented: ☒ Workplace Quality document ☐ Quality Assurance Template ☒ Other (please specify): Fire Engineering Brief and specifications ☐ Document attached as evidence

ASSESSOR COMMENTS: PRACTICAL TASK 1	
1.4C.	Specify existing buildings checked for compliance with active fire protection requirements: ☒ Is checklist used attached as evidence?
1.5A. 1.5B.	Specify (✓) communication methods applied to manage construction and other trades compliance: ☒ Emails ☒ Schedule ☐ Memos ☒ Daily meetings ☒ Site induction ☒ Other (please specify): Aconex
1.5E.	Specify how non-confirming building materials and products were managed using evidence of suitability: Non-confirming materials were managed out as part of the review process

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APPLY BUILDING CODES AND STANDARDS TO THE CONSTRUCTION PROCESS FOR LARGE BUILDING PROJECTS

Practical Task 1

Description of task:

The participant must demonstrate the skills and knowledge to make a range of critical decisions in relatively complex situations while applying building codes and standards to one (1) building project over three (3) storeys, with below ground construction to meet the requirements of the National Construction Code (NCC) prior to the build commencing. The participant must also inspect existing buildings for fire compliance. Assessor and observer will be looking for evidence including:

- Interpret relevant codes and standards' requirements.
 - Determine the scope of works and NCC general requirements and Performance Requirements to achieve a DtS solution.
 - Identify Australian Standards referenced in the NCC Relevant to the build and confirm the requirements.
- Classify the building/s.
 - Determine the use and arrangement of the building and apply the appropriate NCC classification/s.
 - Locate and document NCC requirements for multiple classifications.
- Apply solutions to construction problems.
 - Determine the range of NCC criteria required to ensure project compliance.
 - Identify alternative, compliant solutions for construction problems to comply with NCC Performance Requirements.
 - Meet the Performance Requirement of the NCC by applying a Performance Solution supported by one or a combination of the Assessment Methods.
 - Use a Deem-to-Satisfy (DTS) solution supported by one or a combination of Assessment Methods to meet NCC compliance.
 - Use a combination of Performance Solutions and DTS solutions to comply with the Performance Requirements of the NCC.
 - Discuss compliance options with relevant construction personnel to ensure compliance with NCC Performance Requirements.
 - Identify and complete relevant documentation to meet Performance Requirements of the NCC.
- Apply fire protection requirements.
 - Read the NCC requirements to determine fire resistance required for all classes and types of buildings.
 - Identify and apply NCC requirements with respect to passive and active fire protection to all classes and types of buildings.
 - Check existing buildings for compliance with passive and active fire protection requirements according to NCC requirements. (See HO2 and NCC to create checklist)
- Implement strategy to manage construction compliance.
 - Establish strategies to manage construction compliance of large, complex and high-rise buildings with the NCC.
 - Implement and coordinate the work of professionals involved in the development and management of the building process.
 - Seek effective design solutions for buildings of more than three storeys to meet the needs of clients and ensure compliance with the NCC.
 - Design and implement quality assurance processes to ensure effective and compliant management of the construction process.
 - Detect non-conforming building materials and products and manage the evidence of suitability as required in the NCC.

These tasks may be simulated or real. The Participant is to gather evidence of how they have completed each component of the Practical Task, which is to be submitted with this Practical Assessment sheet. Evidence includes site plan and workplace documents covering the information required. A template is available.

Practical Task 1	
The Observer is to provide detailed comments on the tasks completed by the Participant (on the Observer Comments, overleaf). The Assessor is to verify the Observer's comments, noting their findings in the Assessor Comments (on the back of the Practical Assessment cover page) and provide the assessment outcome.	
Resources required: Construction schedules, plans, drawings and specifications for one (1) building project over three (3) storeys, with below ground construction; workplace quality policies and procedures; technology to access building and related industry codes, standards and manufacturer product information and materials specifications; Technology to access the NCC and current relevant Acts and Regulations. PPE as required.	
Observer details	
Name of observer:	Brett Rosenthal
Role of observer (Confirm suitability to sign)	Project Director
Email address of observer	brosenthal@besixwatpac.com
Signature of observer:	
Date:	5/06/2024

When completing the task, did the Participant:	Tick if satisfactorily completed. Provide comments if left unticked.
1 Interpret relevant codes and standards' requirements	
1.1A. Determine the scope of works and NCC general requirements and Performance Requirements to achieve a DTS solution.	☒
1.1B. Identify Australian Standards referenced in the NCC Relevant to the build and confirm the requirements.	☒
2 Classify the building	
1.2A. Determine the use and arrangement of the building and apply the appropriate NCC classification/s.	☒
1.2B. Locate and document NCC requirements for multiple classifications.	☒
3 Apply solutions to construction problems	
1.3A. Determine the range of NCC criteria required to ensure project compliance.	☒
1.3B. Identify alternative, compliant solutions for construction problems to comply with NCC Performance Requirements.	☒
1.3C. Apply a Performance Solution supported by one or a combination of the Assessment Methods to meet the Performance Requirement of the NCC.	☒
1.3D. Use a Deem-to-Satisfy (DTS) solution supported by one or a combination of Assessment Methods to meet NCC compliance.	☒
1.3E. Use a combination of Performance Solutions and DTS solutions to comply with the Performance Requirements of the NCC.	☒
1.3F. Discuss compliance options with relevant construction personnel to ensure compliance with NCC Performance Requirements.	☒
1.3G. Lead discussions to explore solutions to complex design problems with relevant construction personnel.	☒
1.3H. Identify and complete relevant documentation to meet Performance Requirements of the NCC.	☒

When completing the task, did the Participant:	Tick if satisfactorily completed. Provide comments if left unticked.
4 Apply fire protection requirements	
1.4A. Read the NCC requirements to determine fire resistance required for all classes and types of buildings.	☒
1.4B. Identify and apply NCC requirements with respect to passive and active fire protection to all classes and types of buildings.	☒
1.4C. Check existing buildings for compliance with passive and active fire protection requirements according to NCC requirements. <i>(See HO2 and NCC to create checklist)</i>	☒
5 Implement strategy to manage construction compliance	
1.5A. Establish strategies to manage construction compliance of large, complex and high-rise buildings with the NCC.	☒
1.5B. Implement and coordinate the work of professionals involved in the development and management of the building process.	☒
1.5C. Seek effective design solutions for buildings of more than three storeys to meet the needs of clients and ensure compliance with the NCC.	☒
1.5D. Design and implement quality assurance processes to ensure effective and compliant management of the construction process.	☒
1.5E. Detect non-conforming building materials and products and manage the evidence of suitability as required in the NCC.	☒

Observer comments:

Paul performed all tasks and works to a high standard and within the set timeframes. Nil issues were identified.