

CPCCBC4014

PREPARE SIMPLE BUILDING SKETCHES AND DRAWINGS

ASSESSMENT SUMMARY

The assessment activities for *CPCCBC4014 Prepare simple building sketches and drawings* cover all aspects of the unit of competency. For Apprentices/Trainees, this includes supervisor completion of the Apprentice/Trainee Record (ATR).

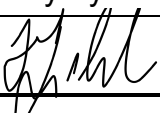
Participants must read all the information given before starting any assessment task. The assessment tasks are intended to be fair, flexible, valid and reliable. If a Participant has any questions or requires alternative arrangements to be made such requests should be directed to their Trainer/Assessor, 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	Jeremy Tydd
Participant signature	

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

☒ Not applicable

Task	Date completed	Assessment Results	
Theory Exam		☐ Satisfactory	☐ Not Satisfactory
Practical Assessment		☐ Satisfactory	☐ Not Satisfactory
Outcome for CPCCBC4014		☐ Competent	☐ Not Yet Competent

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

☐ Theory Exam	☐ Planning sheet
☐ Practical Assessment	☐ Sketch/drawing of 1 structural component
☐ Compliance review	☐ Sketch/drawing of 1 non-structural component

Assessor name	
Assessor signature	

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PREPARE SIMPLE BUILDING SKETCHES AND DRAWINGS

THEORY EXAM

Participant name	Jeremy Tydd
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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. Describe each of the following types of plans and explain what they are used for.

Answer

Type of plan	Description	Use
Presentation drawings	drawing of people cars Trees shops ,ect	Used to show the in a real life view
Isometric drawings	3D drawing at 30deg	Shows a building or object
Orthographic drawings	Three dimensional drawings	show the object drawn in mutipile views
Perspective drawings	aprox drawings	To depict a 3D drawing into a 2D plane



Q2. A client doesn't understand where or how two (2) wall inserts would look beside a window in the designated living room. What type of drawing could you draw to assist in their understanding?

Answer Isometric

☐

Prespective

Q3. What type of drawing would you need to present to builders or contractors to give a visual aid of all angles of the building?

Answer Orthographic

☐

Q4. What type of drawings are used to demonstrate landscape features such as trees, rocks and shrubs?

Answer Presentation

☐

Q5. What type of information can you interpret from a site plan?

Answer The location ,layout ,boundary ,contour lines ,service, ect

☐

Q6. What is building information modelling (BIM)?

Answer

☐

A 3D model process that is shareable

Q7. Explain how the NCC is relevant to construction drawings.

Answer The design and materials that are shown must meet the

performance requirements.

☐

Q8. Discuss the importance of complying with standards during a building and construction project.

Answer If you want your build to be passed you must comply with

the standards provided by the NCC

☐

Q9. Why is it important to confirm that construction plan information complies with building and construction regulations.

Answer S you dont lose you licence ☐

Q10. When selecting information from plans to present to others, what will determine the format of the information you wish to present?

Answer who it is going too and the information in it. ☐

Q11. What is involved when inspecting drawing equipment for serviceability?

Answer cheeking over the equipment ☐

Q12. Listed below are common drawing conventions. Provide a brief explanation of each.

Answer

Drawing convention	Explanation
Sheet layout	layout of title block,border
Title Block	project name ,location,scale
Line types	Geometric elements across a line from the center point
Symbols	pictures used to interpret within the drawings
Dimensions	show the size of a object
Dimension lines	a line with a measurement written in the middle
Abbreviations	A shortened word



Q13. Explain what is learned and confirmed by reading AS 1100.101.

Answer sectioning ,numeral symbols, drawing scales , technical rawings



Q14. Provide a brief explanation for the following building and construction methods.

Answer

Methods	Explanation
Solid brick construction	Masonary construction
Brick veneer construction	Aframe covered in brick layer
Framing	The frame that builds the structure
Post and beam construction	large timbers and steel members



Q15. Define the following construction terminology.

Answer

Term	Definition
Nogging	timber put between studs in a frame
Pilot hole	a hole drilled to direct something
Masonry	concrete, mortar, brick
Admixture	a product used to get a certain result



Q16. Discuss what different types of information you must gather to create effective sectional drawings and sketches from building plans.

Answer

The correct plans, drawings, installation instructions



Q17. What type of information might you need to effectively draw bracing details for a wall adjacent to ceiling joists?

Answer Frame and truss locations, bracing locations ,joining deatials ☐

Q18. Discuss the importance of adding labels to the drawing discussed in Q17.

Answer A discription for important areas of the drawings ☐

Q19. Why should the drawing be created 'to scale'?

Answer Because they can be measured with a scale ruler and used to get the real sizes ☐

Q20. When using symbols and abbreviations, how can you ensure that each reader of the plans understand what they mean?

Answer The ledger should have the meaning of each symbol and abbreviation

☐

Q21. Discuss the sheet layout and information included to present elevation drawings to the local council for approval.

Answer A set of plans with clear dimensions ,section numbers,title block,ect

☐

Q22. What format would you produce construction plans to present to each of the following recipients?

Answer

Recipients	Format (hard copy/ digital)
Client	Hard copy
Builder/ Contractor	Hard copy
Local Council	Hard copy

☐

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PREPARE SIMPLE BUILDING SKETCHES AND DRAWINGS

PRACTICAL ASSESSMENT

Participant name	Jeremy Tydd
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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 (Occasion 1)		☐ Workplace ☐ Simulation		☐	☐
Task 1 (Occasion 2)		☐ 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.

ASSESSOR COMMENTS: PRACTICAL TASK 1: OCCASION 1 Structural component

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

Task	Provide detail
1.2B. 1.2C. 1.3B.	Specify Standard drawing conventions applied:
1.3C.	Specify form created for presentation:

ASSESSOR COMMENTS: PRACTICAL TASK 1: OCCASION 2 Non-structural component

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

Task	Details
1.2B. 1.2C. 1.3A. 1.3B.	Specify Standard drawing conventions applied:
1.3C.	Specify form created for presentation:

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Practical Task 1 (2X)

Description of task:

The participant must demonstrate the skills and knowledge to produce and prepare two (2) simple sketches of different components of the fabric of a building from a set of construction plans (HO3- CSTC RTO facility plans). The sketches must be of one (1) structural component (Occasion 1- typical wall detail) and one (1) non-structural component (Occasion 2 – shower base detail). During the demonstration, the assessor will be checking for evidence of:

- Prepare to make sketches and drawings.
 - Determine the relevant information from construction plans that is required for sketching or drawing. *(Template available for use- HO2-Planning sheet))*
 - Check construction plan information against building and construction regulations, standards and codes for compliance, including safety and the environment. *(Template available for use- HO1- Compliance review)*
 - Consider the intended audience and purpose of drawings to determine appropriate presentation method. *(Template available for use- HO2-Planning sheet))*
 - Determine the most suitable format for the information and select and check availability of all materials, tools and equipment and check for serviceability before use. *(Template available for use- HO2-Planning sheet))*
- Create simple sketches and drawings.
 - Determine and record measurements, information and details required for drawing and sketches. *(Template available for use- HO2-Planning sheet)*
 - Using all the gathered information create two-dimensional and three-dimensional sketches/drawings of one structural section of a typical wall detail and one non-structural sectional drawing of the shower base detail using standard drawing convention.
 - Clearly identify and label the elements and components in the sectional drawings.
- Notate and process drawings.
 - Include all essential information to the drawings using dimension lines, symbols and abbreviations following standard drawing conventions.
 - Include drawing and job title, date, scale and sheet number in the title block.
 - Produce clear and descriptive completed drawings in an appropriate form for presentation.
 - Submit completed drawings with name and date attached to assessor as evidence.

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. 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 plans and specifications; Access to current building and construction codes and standards, the NCC, workplace procedures and other quality documentation; Hand drawing materials, tools and equipment; PC, applications and software to access drawings and other relevant information.

Observer details

Name of observer:	Ayden Cooper
Role of observer (Confirm suitability to sign)	Supervisor
Email address of observer	Admin@cooperconstructionandrenavitions.com
Signature of observer:	
Date:	26-4-25

When completing the task, did the Participant:	Tick if satisfactorily completed. Provide comments if left unticked.	
	1 st Occasion	2 nd Occasion
1 Prepare to make sketches and drawings.		
1.1A. Determine the relevant information from construction plans required for sketching or drawing. <i>(Template available for use- HO2-Planning sheet))</i>		✓
1.1B. Check construction plan information against building and construction regulations, standards and codes for compliance, including safety and the environment. <i>(Template available for use- HO1-Compliance review)</i>		✓
1.1C. Consider the intended audience and purpose of drawings to determine appropriate presentation method. <i>(Template available for use- HO2-Planning sheet))</i>	✓	✓
1.1D. Determine the most suitable format for the information and select and check availability of all materials, tools and equipment and check for serviceability before use. <i>(Template available for use- HO2-Planning sheet))</i>	✓	✓
2 Create simple sketches and drawings.		
1.2A. Determine and record measurements, information and details required for drawing and sketches. <i>(Template available for use- HO2-Planning sheet)</i>	✓	✓
1.2B. Using all the gathered information create two-dimensional and three-dimensional sketches/drawings of one structural section of <u>a typical wall detail</u> (Occasion 1) and one non-structural sectional drawing of the <u>shower base detail</u> (Occasion 2) using standard drawing convention.	✓	✓
1.2C. Clearly identify and label the elements and components in the sectional drawings.	✓	✓
3 Notate and process drawings.		
1.3A. Include all essential information to the drawings using dimension lines, symbols and abbreviations following standard drawing conventions.	✓	✓
1.3B. Include drawing and job title, date, scale and sheet number in the title block.		✓
1.3C. Produce clear and descriptive completed drawings in an appropriate form for presentation.	✓	✓
1.3D. Submit completed drawings with name and date attached to assessor as evidence.	✓	✓

