

CPCBC4014A

PREPARE SIMPLE BUILDING SKETCHES AND DRAWINGS

ASSESSMENT SUMMARY

The assessment activities for *CPCBC4014A Prepare simple building sketches and drawings* cover all aspects of the unit of competency required. To demonstrate competence in this unit, a participant must undertake all tasks and complete them satisfactorily and consistently. For Apprentices and Trainees, this includes employer completion of the Employer Record Book (ERB).

Participants must read all the information given before starting any assessment task. The assessment tasks are intended to be equitable, fair and flexible. 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 some questions or perform some tasks, they will be deemed 'Not Satisfactory' for the task and 'Not Yet Competent' for the unit of competency. The Trainer/Assessor is able to provide the participant with additional information on interpreting the assessment outcomes and provide guidance on the participant's options. Should a participant still be deemed 'Not Satisfactory' they will have the opportunity to undertake a supplementary assessment or appeal the result.

By signing the cover page for each assessment item, the participant acknowledges they understand the assessment instructions and requirements and consent to being assessed. The participant also verifies and assures the RTO that the work submitted is their own work.

Participant Name	Lorna Mernick
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Task	Assessment Results	
Theory Exam	☐ Satisfactory	☐ Not Yet Satisfactory
Practical Assessment	☐ Satisfactory	☐ Not Yet Satisfactory
Outcome for Unit of Competency	☐ Competent	☐ Not Yet Competent

Assessor Name	
Assessor Signature	
Unit Competence Determination Date	Click here to enter a date.

CPCCBC4014A

PREPARE SIMPLE BUILDING SKETCHES AND DRAWINGS

THEORY EXAM INSTRUCTIONS

- This exam will occur under standard assessment conditions.
 - An oral examination may be allowed under certain circumstances, whereby the Participant's answers will be documented by a party other than the Participant. This must be acknowledged in writing (e.g. FT001 and Assessor Comments)
- Participants must provide enough detail in their responses to demonstrate their knowledge and skills.
- Please fill in the details below, providing your name, signature and date of assessment.
 - Your signature acknowledges that this is your own work.
- Assessors are to complete marking in pen of a different colour to the Participant.
- If a Participant initially answers a question incorrectly but modifies their response, they must follow the instructions below:
 - If a Participant changes their response in writing, they must put their initials next to the written change.
 - If a Participant changes their response verbally, this must be noted on the exam paper by the assessor.

Participant name

Lorna Merrick

Participant signature



Date

Click here to enter a date.

27-4-2021

Assessor name

Assessor signature

Date

Click here to enter a date.

Number of questions	Number of questions answered correctly	Task outcome (Tick)	
		Satisfactory	Not Yet Satisfactory
23		☐	☐

- Q1. Identify three (3) two-dimensional drawings/sketches that may be used to clarify or communicate ideas to clients or other parties. For each drawing/sketch, identify four (4) key features that may be shown.

Answer

Drawing/sketch type	Key features
Floorplan.	* Layout. * arrangement of rooms * walls * Doors.
Land boundaries, contours & footprint of building	* Shows boundaries * Levels on the site * Critical adjoining parts * Positioning of the building
Orthographic drawings	* a 3D object on a 2D paper. * Elevation views * Floor Plan. (Plan view). * 2D views of same object.



- Q2. Name two (2) advantages of a three-dimensional sketch/drawing.

Answer

- ① Provides a more realistic picture of space.
- ② There are programs to assist with the development.



- Q3. Name one (1) individual you might contact to establish the scope and standard of the job being undertaken.

Answer

Local government



Q4. You need to inspect the relevant area to take measurements for your drawings/sketches. Identify two (2) safety requirements you would need to observe on site.

Answer

* carry out full site assessment.

* identify any risks and all possible hazards.

☐

Q5. Identify two (2) types of tools/equipment you would use when inspecting the area to take measurements.

Answer

* Measuring Wheel.

* Spirit Level.

☐

Q6. Identify two (2) types of tools/equipment you might need when completing sketches/drawings.

Answer

* Clip board & paper

* Writing & sketching equipment.

☐

Q7. What action should be taken if any of the tools/equipment identified in Q5. and Q6. are found to be defective? Tick your response.

Answer

Choice	Possible Answers
☐	Report, Record
☒	Stop, Report, Record
☐	Stop, Tag, Report, Record
☐	Stop, Fix, Report, Record

☐

Q8. True or False (Tick your response): It is best practice to double check measurements before recording them.

Answer

☒	True
☐	False

☐

Q9. Explain the purpose of the scale on sketches/drawings.

Answer

It shows buildings are drawn in proportion to the actual measurement of the object.



Q10. You have measured a wall that is 2.4m high. Using a scale of 1:100, what size will this be drawn? Provide your answer in mm. Show your workings.

Answer

24mm.

1 divided $2.4 \div 100 = 0.024$.



Q11. Explain the purpose of a key or legend on sketches/drawings.

Answer

\$ for common symbols & abbreviations used that have more than one meaning.



Q12. Which of the following are true about drawing contours?
Tick all that apply.

Answer

Choice	Possible Answers
☒	Equally spaced contour lines indicate uniform slope
☐	Closely spaced contour lines indicate flat surface
☒	Closely spaced contour lines indicate steep ground
☒	Concentric closed contours with decreasing values toward the centre indicate a pond
☐	Concentric closed contours with decreasing values toward the centre indicate a hill



Q13. Identify the Volume and Parts of the NCC that relate to metal sheet roof cladding for Classes 1 and 10, and Classes 2 to 9.

Answer

Classes 1 and 10	Classes 2 to 9
Volume Two PART 3.5.1.3.	Volume One.



Q14. Which Australian Standard is referenced in the NCC with regards to the requirements for the design and installation of metal sheet roof cladding?

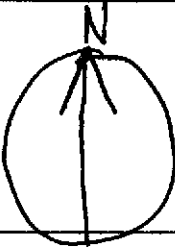
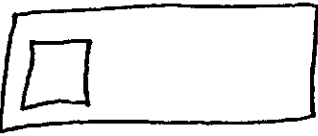
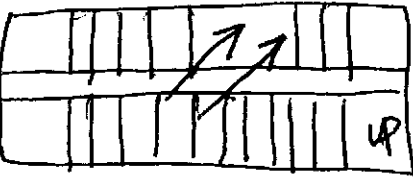
Answer

~~AS 2049~~ AS 1562. 1.2018.



Q15. Sketch the following standard design symbols.

Answer

Item	Sketch
Compass (North)	
Sink with one bowl	
Stairs	
Toilet	



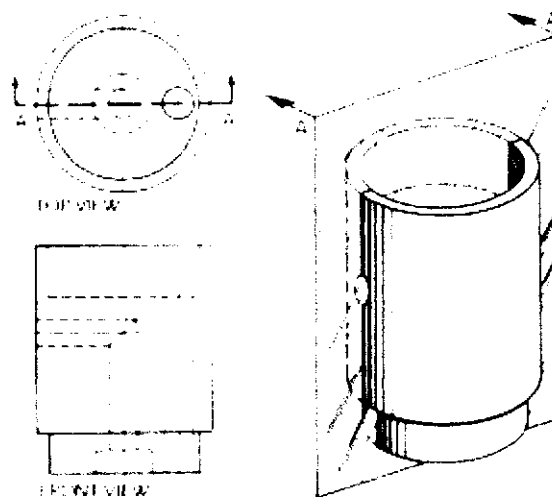
Q16. Explain the meaning of the abbreviations in the table below.

Answer

Abbreviation	Meaning
BK	Brick
CBD / CPD	Cupboard.
DP	down Pipe.
INSUL	Insulation
KIT	Kitchen
MSB	Main Switch Board.
PBD	Plasterboard.
RWT	Rain Water Tank.
SHR	Shovel.
TEL	Telephone
WC	Water Closet.



Q17. True or False (Tick your response): The dashed/chain lines on the section view shown below represent the portions that have been in contact with the cutting plane.



Source: https://www.movts.net/cms/tib/NJ01911694/Centricity/Domain/131/Section_Views.pdf

Answer

☒	True
☐	False



Q18. Explain the use of hatching lines for sectional drawings.

Answer

The Hatching lines represent the Material type in contact with the cutting plane.

☐

Q19. True or False (Tick your response): In an offset sectional drawing, the cutting plane does not travel in a straight line.

Answer

☒	True
☐	False

☐

Q20. Which of the following information should be included in the title block for a sketch/drawing? Tick all that apply.

Answer

Choice	Possible Answers
☒	Client details
☒	Contact details for person who prepared drawings
☒	Date drawing was completed
☒	Drawing number
☒	Drawing title
☒	Job number
☒	Project name and address
☒	Revisions / Amendments (if applicable)
☒ NA.	Scale

☐

Q21. True or False (Tick your response): Amendments usually have to be signed or initialled by both the builder and the client to show they both agree.

Answer

☒	True
☐	False

☐

Q22. Explain why it is good practice to have a single repository for sketches/drawings.

Answer

It is important to have a central location where documents are stored to ensure there is a reference point to check that the sketches/drawings being used are the most current.



Q23. Name the Regulation and identify the section that outlines the requirement for structure designers to produce a safety report. Briefly describe the requirements.

Answer

Section of Act	Requirements
Section 274 of the WHS Act.	Provide information on how you have designed the structure to be without risk to health & safety during construction.

