

CPCBC4012

READ AND INTERPRET PLANS AND SPECIFICATIONS

PRACTICAL ASSESSMENT

Participant name	<i>Kandy-lee Ashby</i>
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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	Select Date: 28.03.24	☐ Workplace ☒ Simulation	584 Milton Road Toowong Q 4066	☐	☐

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

☐ Individual student (as named on cover page)

☐ Multiple students [☐ All from Attendance Report, ☐ Specific students involved – identify students]

Task	Provide detail
1.1A. 1.1B.	Specify type of plan and NCC class determined:
1.1A. 1.1C.	Specify how currency of documents was confirmed:
1.1D.	Specify environmental controls determined from plans/specifications.
1.2B. 1.2D.	Specify how building layout, material requirements spaces and dimensions were determined from plans and specifications.
1.2G.	Specify services identified on site:
1.2H.	Specify site features located to be removed/ retained:
1.2J.	Specify variations found:

1.3A.	Specify concrete footing and slab information identified:
1.3B.	Specify how load bearing points were recognised:
1.3C.	Specify how wind bracing and tie down requirements were confirmed:
1.4B. 1.4C.	Specify how installation points and fixtures were determined:
1.4B.	Specify how connection points were determined:
1.4C.	Specify where finishing details were located:

CPCCBC4012

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Practical Task 1

Description of task:

The participant must demonstrate skills and knowledge to identify and interpret building and construction information from plans and specifications in a workplace (or a similar environment) in the context of a construction project including:

- Identify types of plans.
 - Check and confirm that the current version of plans, specifications and amendments is being used.
 - Use the appropriate plans and aspects of drawings for relevant purposes.
 - Confirm that the details on plans comply with the specifications.
 - Identify environmental controls from plans/specifications.
- Read and interpret the plans.
 - Read and confirm standards of work and tolerances from job specifications. ✓
 - Determine building layout, spaces and dimensions from floor plan. ✓
 - Recognise and confirm job specifications located in drawings, notes, and descriptions. ✓
 - Determine internal linings, external cladding and roof materials needed from plans and specifications. ✓
 - Determine material sizes, thickness and construction methods related to three (3) materials for one room from detail drawings for estimates. (Template available for use HO5 - Cost Estimation)
 - Apply information from plans to estimation, planning and supervisory tasks.
 - Gain access to the site, achieve orientation and identify services, datum and reduced levels.
 - Locate site features to be removed or retained.
 - Determine the building location from the site plans to actual.
 - Verify plans recognising variations between the plans and the actual site, reporting findings as required.
 - Appropriately communicate with others to be understood. ✓
 - Adhere to site safety requirements, including requirements relating to hazard identification.
- Identify structural details.
 - Identify concrete footing and slab sizes and position and type of reinforcing required.
 - Identify structural load bearing points of the building and compare information from specification.
 - Identify wind bracing and tie-down requirements checking for accuracy against the wind bracing table.
- Identify non-structural details.
 - Identify two (2) provisional sum (PS) and prime cost (PC) items when estimating costs.
 - Locate installation and connection points of services to the building.
 - Identify location of fixtures from plans and details of finishes from specifications.

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:

Work site; plans and specifications; quality documentation; access to the internet/access legislation, current building and construction codes and standards and the NCC. PC applications and software to access CAD. Templates for estimating. HO1 through HO5 available.

Observer details

Name of observer:	DAVID Williams
Role of observer (Confirm suitability to sign)	Project MANAGER
Email address of observer	DAVID.Williams@HATCHINSON BUILDERS.COM.AU
Signature of observer:	
Date:	Select Date. 20/03/2024.

When completing the task, did the Participant:	Tick if satisfactorily completed. Provide comments if left unticked.
1 Identify types of plans	
1.1A. Check and confirm that the current version of plans, specifications and amendments are being used.	☒
1.1B. Use the appropriate plans and aspects of drawings for relevant purposes.	☒
1.1C. Confirm that the details on plans comply with the specifications.	☒
1.1D. Identify environmental controls from plans/specifications.	☒
2 Read and interpret the plan	
1.2A. Read and confirm standards of work and tolerances from job specifications.	☒
1.2B. Determine building layout, spaces and dimensions from floor plan.	☒
1.2C. Determine internal linings, external cladding and roof materials from plans and specifications. (Template available for use HO5 - Cost Estimation)	☒
1.2D. Determine material sizes, thickness and construction methods from detail drawings. (Template available for use HO5 - Cost Estimation)	☒
1.2E. Recognise and confirm job specifications located in drawings, notes, and descriptions.	☒
1.2F. Apply information from plans to estimation, planning and supervisory tasks. (Template available for use HO5 - Cost Estimation)	☒
1.2G. Gain access to the site, achieve orientation and identify services, datum and reduced levels.	☒
1.2H. Locate site features to be removed or retained.	☒
1.2I. Determine the building location from the site plans to actual.	☒
1.2J. Verify plans recognising variations between the plans and the actual site, reporting findings as required.	☒
1.2K. Appropriately communicate with others to be understood.	☒
1.2L. Adhere to site safety requirements, including requirements relating to hazard identification.	☒
3 Identify structural details	
1.3A. Identify concrete footing and slab sizes and position and type of reinforcing required.	☒
1.3B. Identify structural load bearing points of the building and compare information from specification.	☒
1.3C. Identify wind bracing and tie-down requirements checking for accuracy against the wind bracing table.	☒
4 Identify non-structural details	
1.4A. Identify provisional sum (PS) and prime cost (PC) items when estimating costs. (HO5)	☒
1.4B. Locate installation and connection points of services to the building.	☒
1.4C. Identify location of fixtures from plans and details of finishes from specifications.	☒

Observer comments:

- 1.1A - Reviewed document register against drawing revisions and confirmed that the correct revisions are being used.
- 1.2B - Able to review plans provide dimensions to specific areas and Building layout.
- 1.2A - Able to identify civil tolerances for vertical and horizontal tolerances from the project civil specifications. ie horizontal ± 50
- 1.2E - Able to identify tolerances for slump to the warehouse slab ~~10~~ ± 10
- 1.2H - Able to identify from civil plans extent of clearing.
- 1.3A - Able to identify and locate footing locations including reinforcement details and how reo is placed.
- 1.3B - Able to identify structural load bearing columns and footings.
- 1.3C - Able to identify wind loading requirements on structural plans. and identify sizing to wind bracing (90x90 EA)
- 1.4B - Able to identify service layouts and mains connection points for water and sewer.
- 1.4C - Able to review finishes/fixtures specification and locate and accurately determine finishes types.
- 1.1D - Able to identify and locate sediment control plans. + describe elements and show silt layouts.
- 1.2L - Know site safety requirements for project (Hard hat, orange long sleeve shirts, steel caps, gloves, glasses, no red or green)
- 1.1B - throughout exercise right plans were used efficiently
- 1.2G - Competent.
- 1.2L - Competent.
- 1.2J - Able to review clearing plans and review/report on potential variations.
- 1.2C, D, F + 1.4A - refer completed cost estimation sheet

Cost Estimation Sheet

Participant name	Vandy-lee Ashby.
Date	20-03-24.

Details of Building and Construction Project

Name of project	BAC NW
Type of project	☐ Residential building ☒ Commercial building
State/Territory	QLD.
Plans accessed for material estimates	Architectural . Architectural, Civil, structural.

Identify internal linings, external cladding and roof materials from plans and specification

Item	Description
Internal linings	Dable 13mm Sheet rock HD Plaster board to general areas. 6mm fibre cement lining to wet areas.
External cladding	Speed deck metal wall Cladding with Colorbond finish
Roofing materials	0.48 Bmt Colorbond Stramit Speed deck metal roof Sheeting.

Opinion of costs - for one (1) room identify costs of three (3) materials needed.

Item	Description (including size, thickness)	Cost per Unit	Quantity	Total cost	Construction method
1	Double 13mm sheet rock HD plasterboard - Supply and install.	\$110 m ² .	64.8 m ²	\$7,128-	Installed to steel stud frame with screw and glue.
2	Entera Carpet tile Water Yulucarla Grnd. Sticle down. - Supply and install.	\$45 m ²	36.2 m ²	\$1,629-	Direct stick to concrete using carpet glue.
3	Flat aluminium skirting with black rubber inserts 150mm high and oised. - Supply and install.	\$20	24 m.	\$480.00	screw fixed to stud frame through plasterboard.

Identify two (2) Prime Cost (PC) items and two Provisional Sum items

Prime Cost items	Provisional Sum items
Tiles . \$25 m ² . supply only.	Landscaping \$40k.
Cavema Basin \$600 -	Solar System \$50k.