



CPCBC4014A

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. Answers will be documented and FT003 (Oral examination declaration form) must be completed.
- 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.
- 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

Participant signature

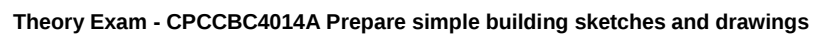
Assessor name

Assessor signature

Date

[Click here to enter a date.](#)

Number of questions	Number of questions answered correctly	Satisfactory?	
		Yes	No
12		☐	☐



SECTION A-A
SCALE 1:50

PROPOSED DEVELOPMENT
170a FRENCH STREET
TUART HILL
SECTION A-A

Name:	GOPCEVIC	Project:	5000
Date:	10.09.08	Dwg No.	A06
Scale:	1:50		
Drawn:	BK		

BK design

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Q1. Reproduce the Section Drawing. Apply dimensions using an appropriate scale and insert your own Title Block.

Please refer to Q1. Section

Answer



Q2. Write a paragraph or two sufficient to explain this dwelling's sectional view to a client or trade contractor.

Answer

Double story sand cement rendered cavity brick, slab on ground lower floor and suspended concrete slab upper floor. Plasterboard ceilings fixed to a suspended framing system with plasterboard cornices. Timber framed roof with selected colorbond sheeting with a 25degree pitch.



Refer to the floor plan below to respond to Q3. to Q12.



Q3. Use the floor plan to create your own title block and produce the North, South, East and West Elevations.

- Determine your own finished ceiling height and aluminium window and door sizes appropriate to the scale of the rooms and building (and applicable standards/codes).
- Assume it is slab on ground, rendered brick veneer construction, timber trussed roof and concrete roof tiles; metal fascia and gutters, driveway and paths are exposed aggregate.



Please refer to Q3. Elevations

Answer



Q4. Identify an address with fictitious house and lot number and the block of land and land shape for the home and then create a Site Plan.

- Your boundary set offs are to accord with Brisbane City Council requirements. You are to determine these by contacting Brisbane City Council.
- Clearly mark the direction and contours on this site plan.
- Identify on your site plan the location of any existing buildings, trees, fences and other structures.
- Determine the ingress and egress points for traffic management to, from and over the site.
- Using appropriate drawing conventions, you are to mark the location of utilities and services including water, telecommunications, sewerage, storm water and electrical.

Please refer to Q4. Site Plan

Answer



Q5. Referring to the floor plan, create a windows and doors schedule.

Doors

Front Entry Door

1 x 1200 x 2040 x 40

External Laundry Door

1 x 770 x 2040 x 35

Internal door

8 x 770 x 2040 x 35

Cavity sliding door

2 x 1050 x 2040

Windows

Frosted casement windows

3 x 610 x 600

Activity / Bed 5

2170 x 2058

Bath

1570 x 600

Bed 4

1570 x 1200

Bed 3

1570 x 1200

Study / Bed 2

1570 x 2058

Dining

2170 x 2058

Master suite

1450 x 2058

Foyer

1570 x 2058

Stacking patio doors

1 x 2680 x 2400

1 x 3224 x 2400

1 fixed 900 x 2400

Answer



- Q6. Referring to the floor plan, create a lighting plan and determine single and double GPO locations to be used as a guide by your electrical sub-contractor for a preliminary wiring quote.**

Please refer to Q6.Electrical GPO plan

Answer





Q7. Draw a schematic preparatory drawing of all pipework (including sewerage, plumbing, electrical and other services).

To assist with determining the location and installation details for all the in-ground and under-slab services (i.e. prior to pouring of the foundations and concrete slab), refer to the floor plan and the site plan you developed in 0

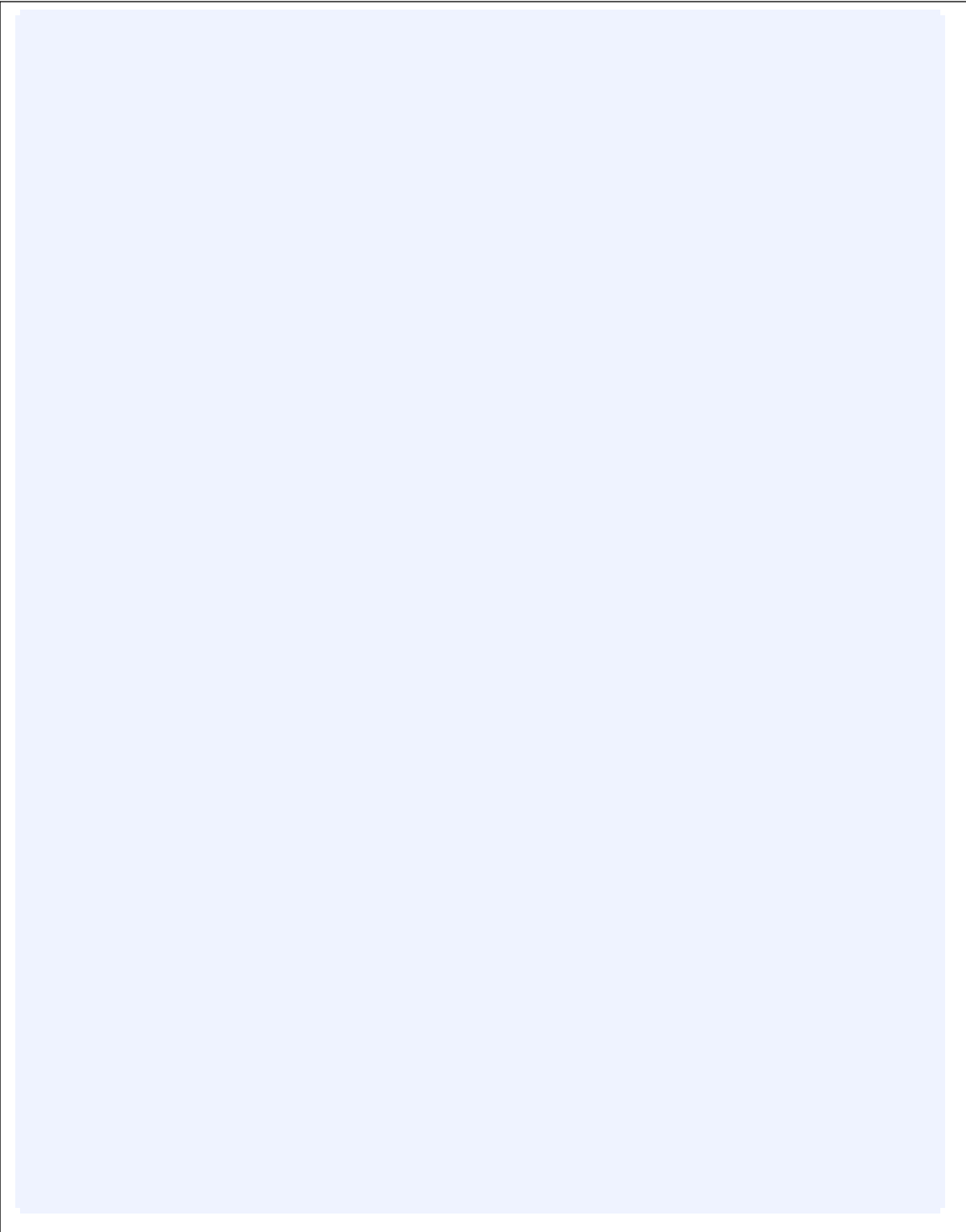
Please refer to Q4. Site Plan and Q7. Plumbing Plan

Answer



- Q8. Identify all internal and external wall penetrations and create a schedule and sketch to be provided to each of the affected trade sub-contractors.**

Refer to the drawings in Q3. and 0to assist with this task.



Answer



- Q9. Your client has approached you seeking consideration to redesign the area of the laundry, scullery and Bedroom 5. They are considering foregoing Bedroom 5 altogether and increasing the scullery to make it a large butler's walk-in pantry and essentially leaving the laundry as is.**

They have asked you to redesign this area of the home and have agreed to pay you for it separately. You have agreed to terms in this regard. You have agreed you will prepare formal floor plan sketch/es of this area redesigned for discussion with the client in two weeks' time.

You are to also present a pros and cons written argument for the client to help them determine if they should proceed with this variation.

TIPS

Your initial research should consider what goes into a Butler's Pantry, what are others doing with designs and layouts including refrigeration, storage, preparatory areas, electrical equipment and white goods.

You should intend to visit and/or research new and existing housing estates and establish what other Developers and Builders are incorporating in Butler's Pantry in their housing designs then to capture camera and computer images so you can discuss these various options and the drawn variation with the client as you present your ideas and sketch floor plan amendments for reconfiguring this area of their home.

Answer

A butler's pantry used to be a luxury item but it is now making its way into more modest homes. As our kitchens have become more open plan it has been deemed necessary to have a separate space for the storage of food items, the preparation of meals and even the cooking of meals. A butler's pantry is essentially a kitchen within a kitchen that allows food preparation and clean up without dirtying the main kitchen.

As well as pantry shelving the butlers pantry has bench space for prep and appliances such as toaster, kettle, mix-master, thermomix, coffee machine, etc. Also a second fridge (bar fridge and/or wine fridge), second dishwasher, second sink and even a microwave and other coking devices. Leaving the kitchen as 'on display' feature of the overall living space.

The butler's pantry can become almost a second kitchen which may mean that the person cooking is hidden away from the rest of the living space.

Will the butlers pantry be used only occasionally such as for dinner parties or will it be for everyday use?

Will it be used by the whole family and as such will it need to accommodate a number of people at a time?

You will need an area at least 1.6 metres wide to accommodate aisle space of a metre and a 600mm deep benchtop. If you have more width to work with, you can create storage space opposite the benchtop. In order to have a comfortable working area and room for a benchtop, your butler's pantry should be at least 2.2 metres long.

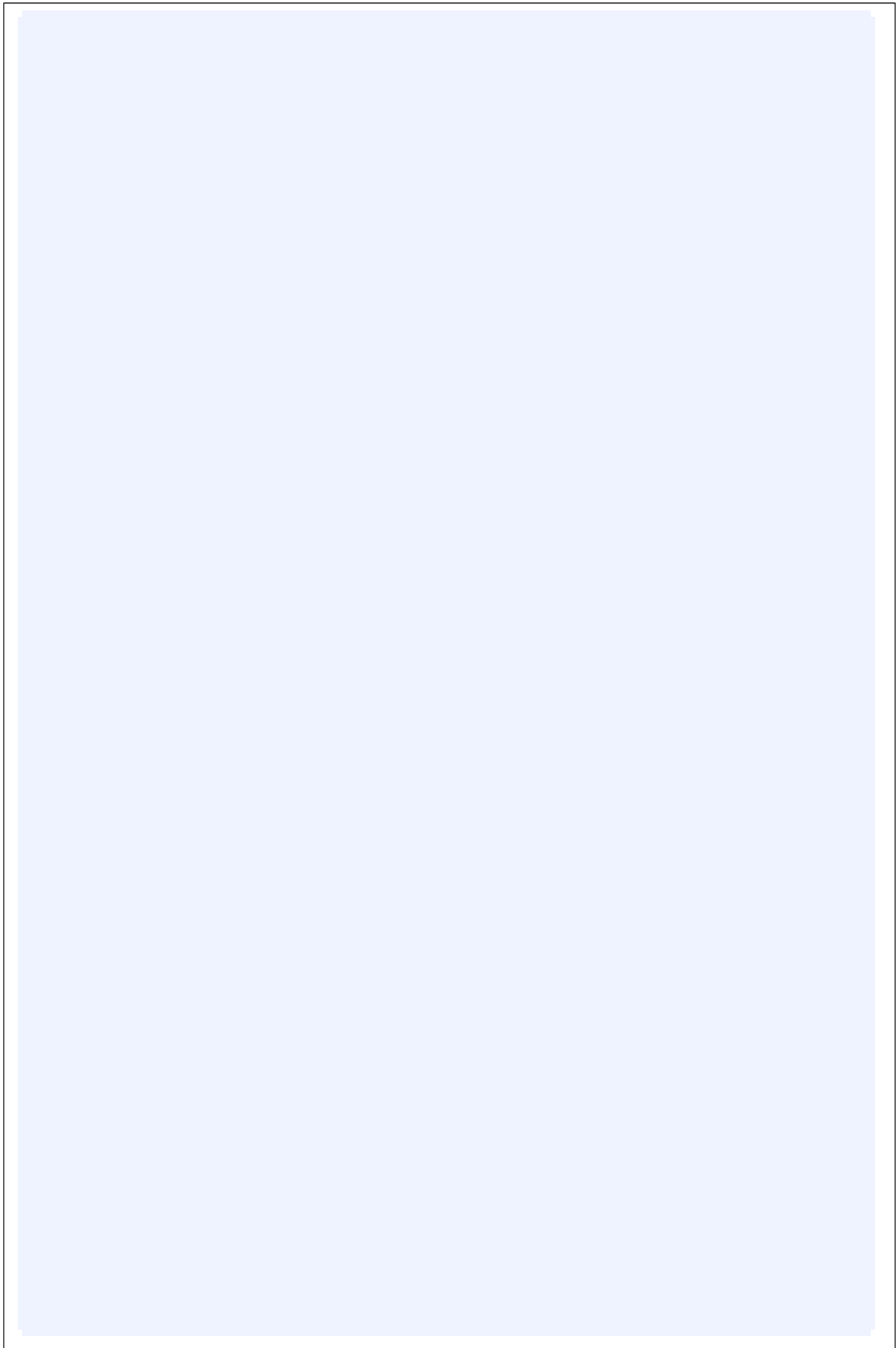
The minimum requirement for a butler's pantry is 1.6 metres by 2.2 metres. If you include a fridge, sink, microwave and a few small appliances, you'll need a larger area to work with. 2.4 metres by 3.0



metres will give you a large area to work with and is about the size of a small kitchen.

The butler's pantry is a work area so you don't need to use expensive benchtops or cupboard doors (open shelving will give quick and easy access to everything. Incorporate as much bench space as possible, to put appliances on, as a place to unpack groceries and as a work area for food preparation.

Remember to include plenty of power points.



Q10. Consider the erection of scaffolding for the brick layer, metal fascia and gutter installation and soffit installation.

Draw a scaffold plan for the entire building and draw an elevation showing a minimum of two bays and one corner return. Ensure the plans follow all relevant standards, codes and authority requirements.

Please refer to Q10. Scaffolding Plan

Answer





Q11. Write a personal protective equipment (PPE) plan and from this prepare a PPE induction toolbox talk for the site.

Answer

Please refer to Q11. Toolbox_PPE



Q12. Write a Hazards Identification Plan for the site which details local pedestrian and traffic flow as well as ingress and egress for cars and trucks, deliveries and personnel overhead cabling and power supply, power access for trades services and locations, dealing with waste materials and general public and on-site worker safety.

Answer Please refer to Q12 Hazard Identification Plan

