



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 Erica Taylor

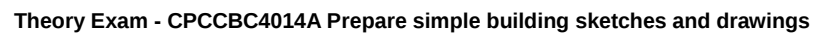
Participant signature

Assessor name

Assessor signature

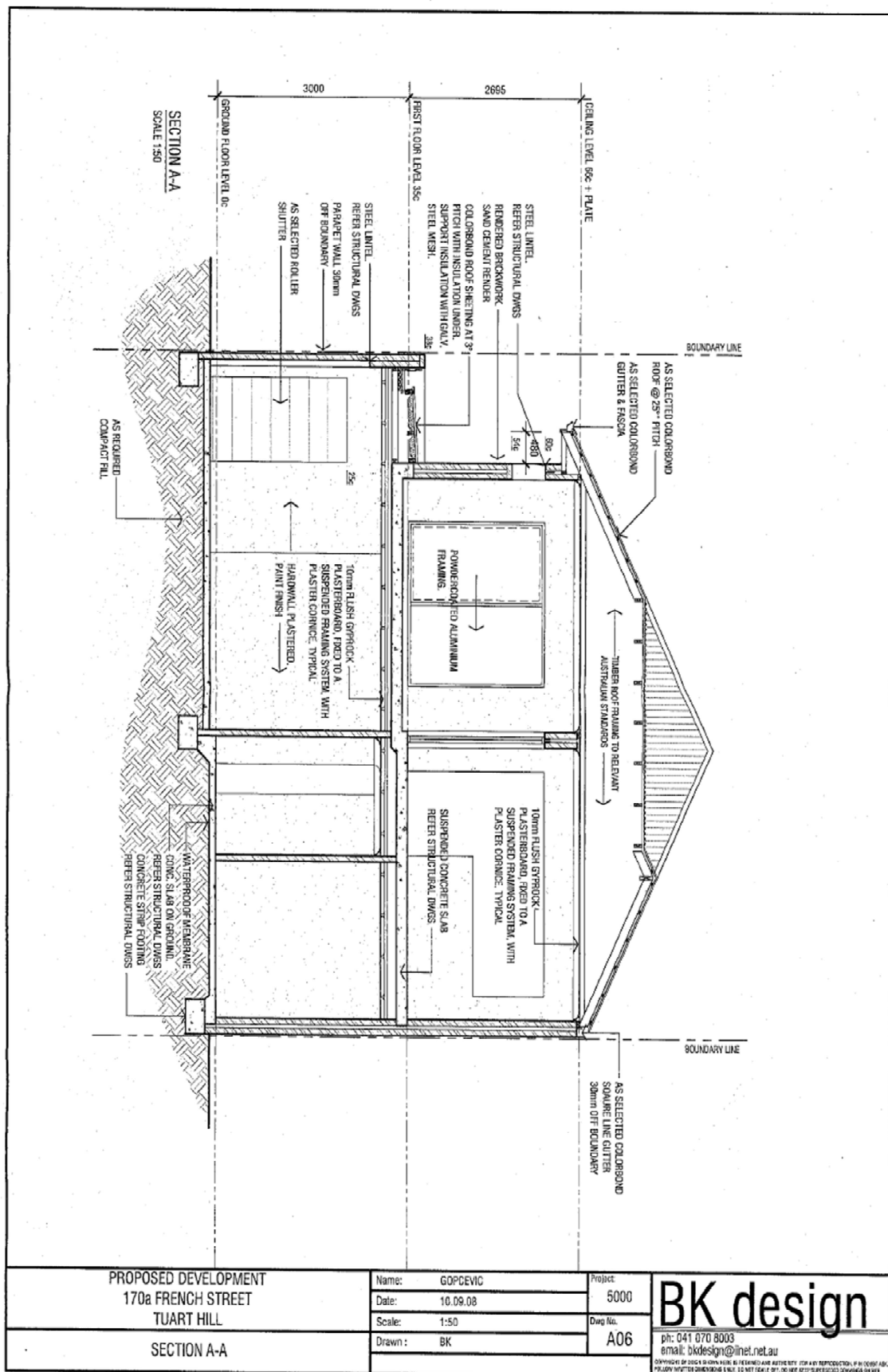
Date 15/09/2018

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

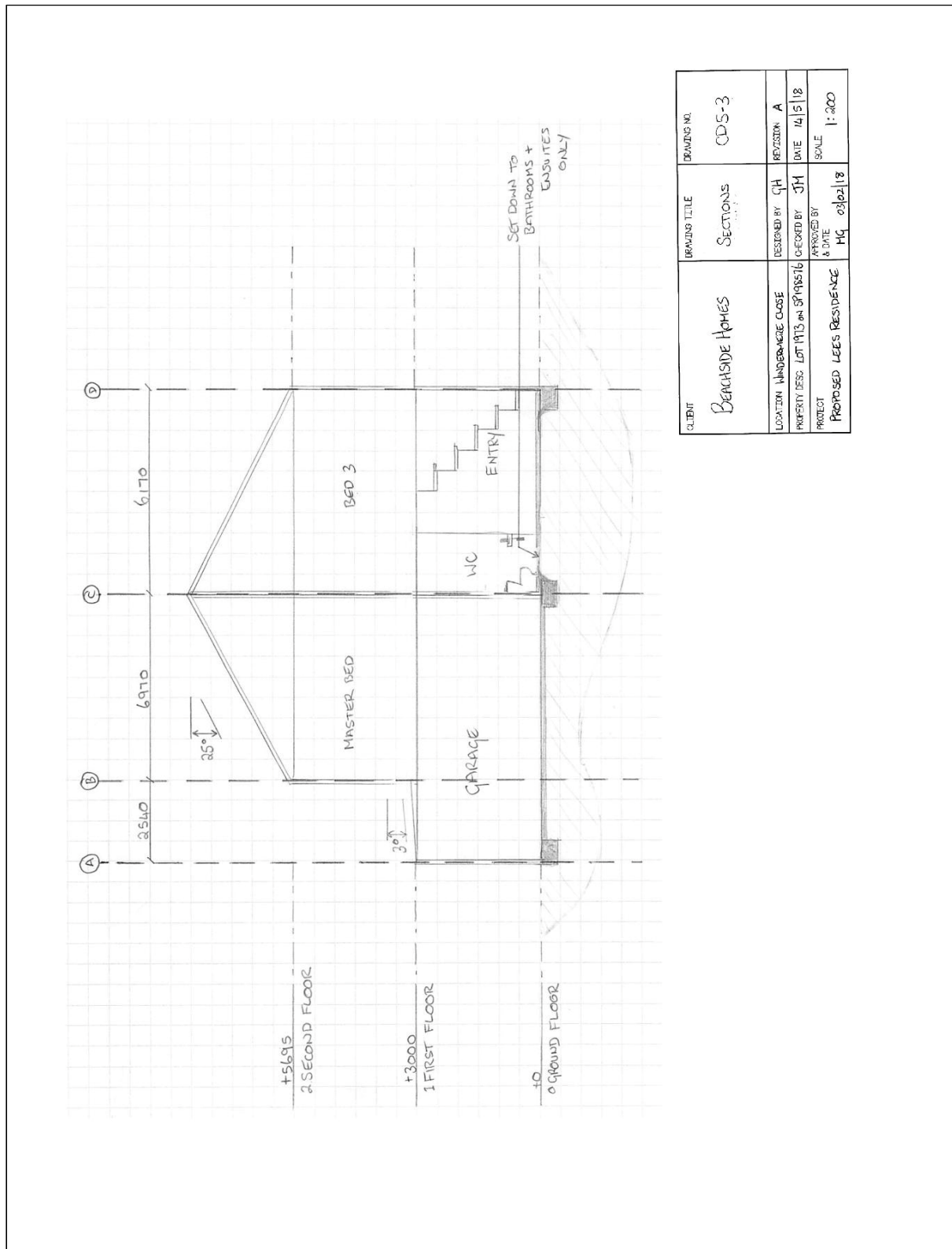


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Refer to the drawing below to respond to Q1. to Q2.



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



Answer



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

Answer See attachment

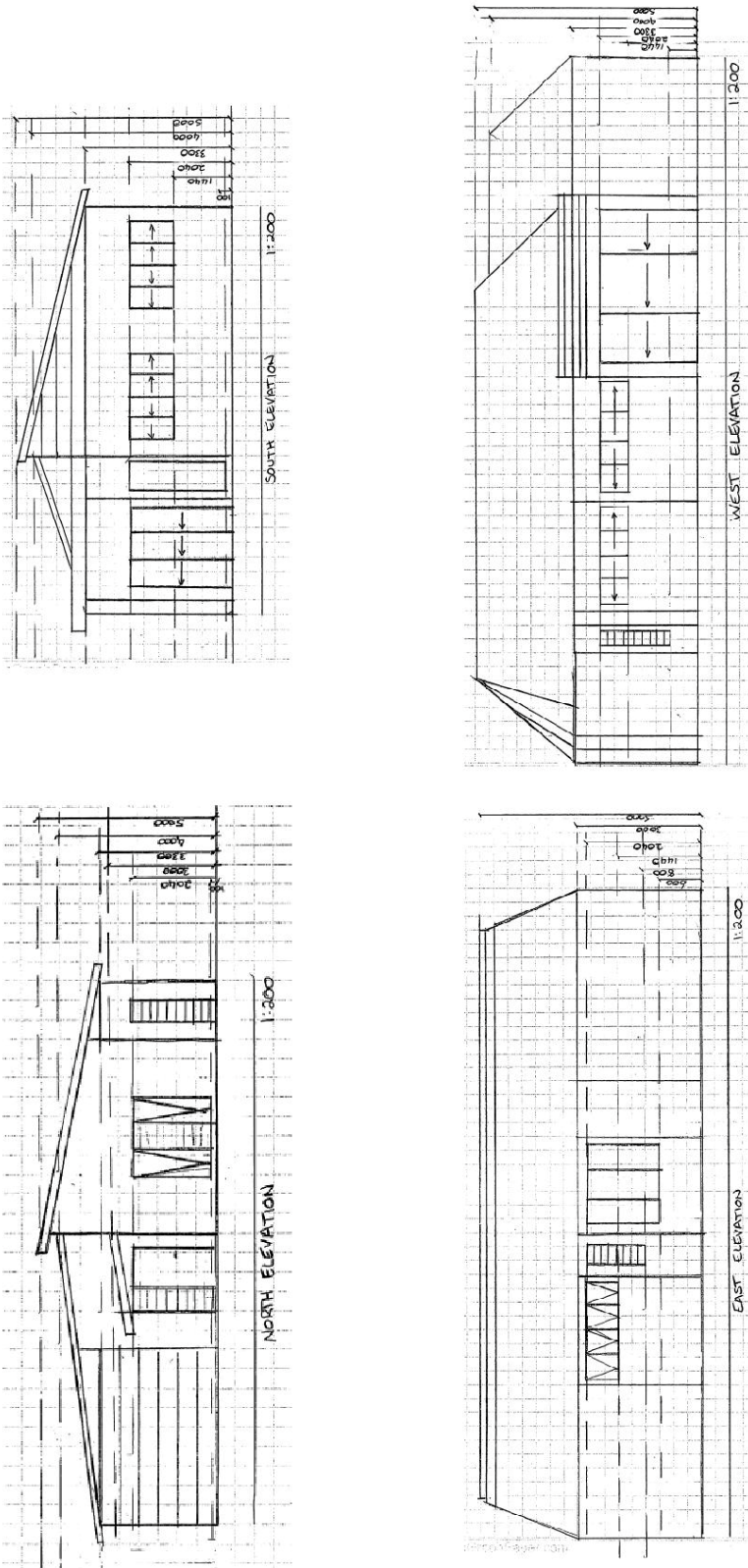


Refer to the floor plan below to respond to Q3. to Q12.



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.



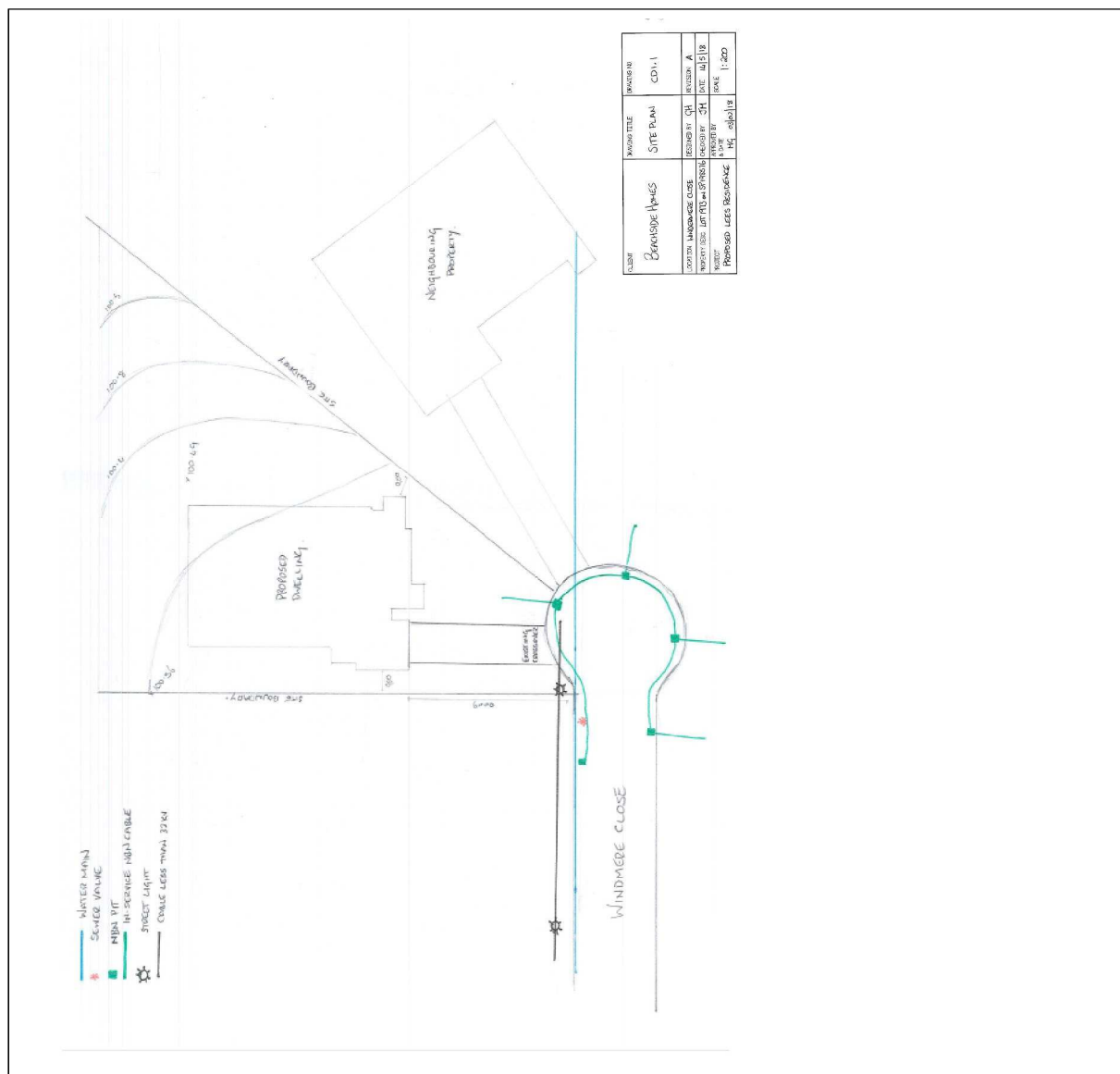
CLIENT BEACHSIDE HOMES	DRAWING TITLE ELEVATIONS	DRAWING NO. CD1.6
LOCATION WINDERMERE CLOSE	DESIGNED BY QH	REVISION A
PROPERTY DESC LOT 1973 on SP498516	CHECKED BY JH	DATE 14/5/18
PROJECT PROPOSED LEE'S RESIDENCE	APPROVED BY MQ	SCALE 1:200

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.



Answer



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

Room	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
Room Size W x H	Garage 5401 x 2310	Entry 801 x 2940	Garage 820 x 2940	Scullery 820 x 2940	Laundry 5401 x 2310	Kitchen 820 x 2940	Dining 3079 x 2940	Dining 2879 x 2940	Powder 720 x 2940	Bathroom 720 x 2940	W.I.L. 720 x 2940	Main Entry 720 x 2940	W.I.C. 720 x 2940	Ensuite W.C. 720 x 2940	Study/Bed 2 820 x 2940	Study/Bed 2 820 x 2940	Bed 3 720 x 2940	Bed 3 720 x 2940	Bed 4 720 x 2940	Bed 4 720 x 2940
2D Symbol																				
Front View																				
Description	Removable carport panels and glass panels. L.R. Garage Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door
Finish	Selected Powdercoat	Selected Timber Veneer, Clear	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door	Single Leaf Sliding Glass Door
Options	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None

Room	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40
Room Size W x H	Entrance 401 x 2940	Foyer 1801 x 2940	Living 601 x 2940	Dining 3301 x 300	Powder 401 x 2940	Bathroom 1801 x 600	Main Entry 1501 x 2940	Ensuite 301 x 900	Ensuite W.C. 401 x 2940	Study/Bed 2 1801 x 600	Bed 3 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200	Bed 4 1801 x 1200
2D Symbol																				
Front View																				
Description	Single Bay Glass Louver	Louver Window with Fixed Glass Panels Each Side	Fixed Glass Panel	OXO Sliding Window	Single Bay Glass Louver	Top Hung Meeting Louver Window with Top Hung Awnings Each Side	Louver Window with Top Hung Awnings Each Side	Top Hung Awnings	Single Bay Glass Louver	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window	OXO Sliding Window
Glass	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None

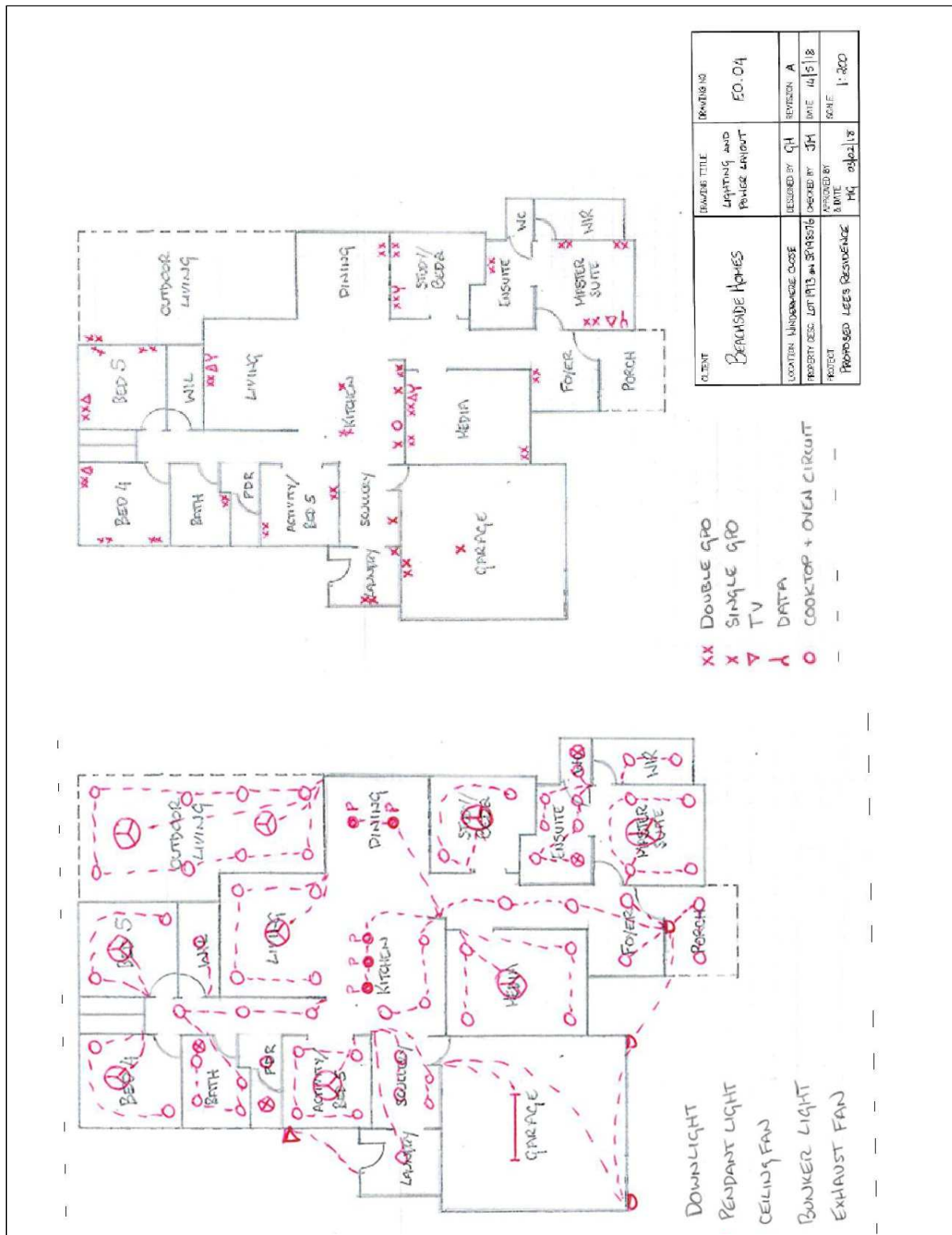
CLIENT	PROJECT	LOCATION	PROPERTY DESC.	DESIGNED BY	CHECKED BY	APPROVED BY	DATE	SCALE
BENCHSIDE HOMES	PROPOSED LEES RESIDENCE	WINDERMERE CLOSE	LOT 1973 ON SP1985/16	CH	JM	HG	14/1/18	1:200

DRAWING TITLE	DRAWING NO.	REVISION	DATE	SCALE
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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.

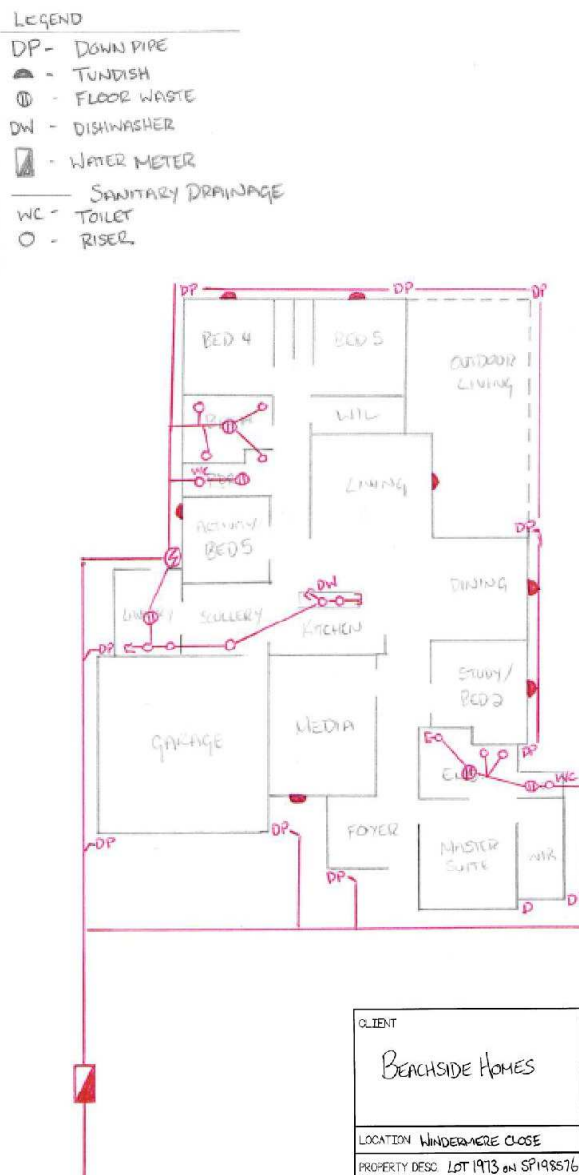


Answer



- 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



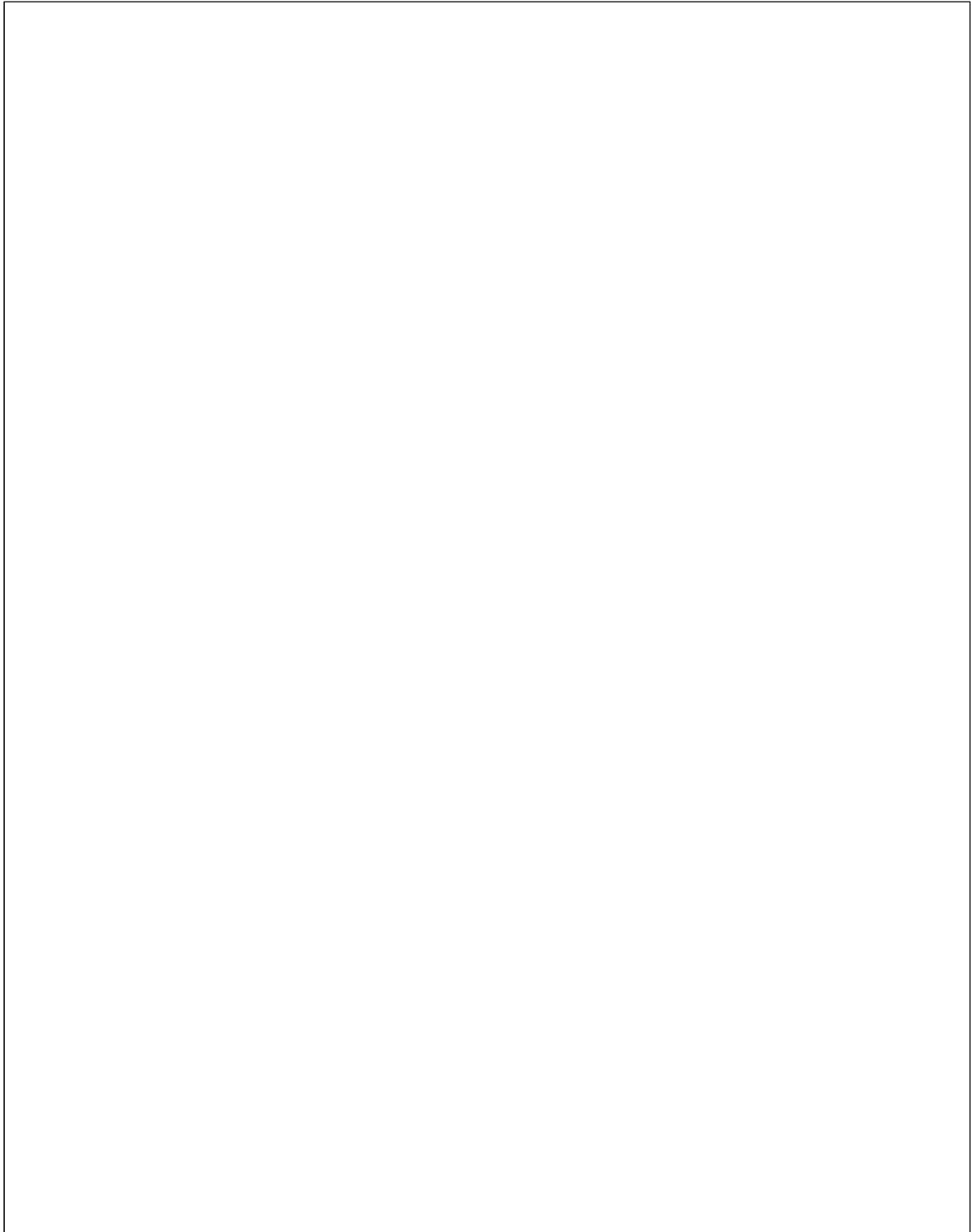
CLIENT BEACHSIDE HOMES	DRAWING TITLE SANITARY DRAINAGE	DRAWING NO. H1.01
LOCATION WINDERMERE CLOSE	DESIGNED BY GH	REVISION A
PROPERTY DESC. LOT 1913 ON SP198576	CHECKED BY JM	DATE 14/5/18
PROJECT PROPOSED LEES RESIDENCE	APPROVED BY & DATE MQ 03/02/18	SCALE 1:200

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

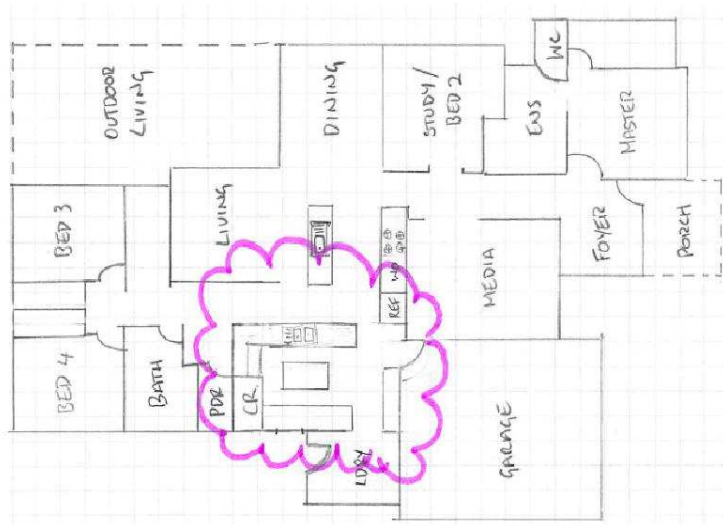
Dear Brian and Melissa,

Please find attached proposed changes to scullery / Bedroom 5 as requested. The current scullery layout has a total floor area of 6.9m², with the addition of Bed 5, this will bring the total floor area of the scullery alone to 16.5m² which is larger than the actual kitchen. This decision is entirely up to you so please read through the attached variation which shows in detail the costs associated with these changes. I have also devised a list of pros and cons to help with your decision.

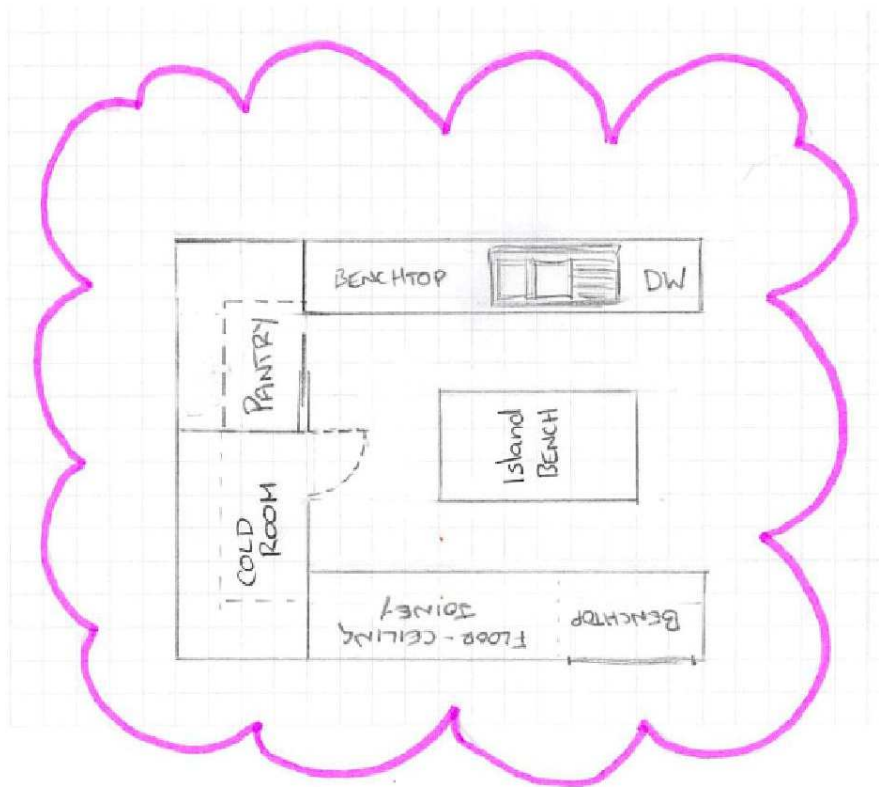
Pros: Increase in storage and meal prep areas
Space for cold room as shown in drawings (or can be changed to include extra pantry and fridge space only
Extra under bench dishwasher)

Cons: Loss of 5th Bedroom
Cost of building scullery of this size will not add value to the property as a 5th Bedroom would
Fit out will be costly





CLIENT BEACHSIDE HOMES	DRAWING TITLE PROPOSED AMENDMENTS TO BED 5 / SCULLERY	DRAWING NO. EO.04
LOCATION WINDERMERE CLOSE	DESIGNED BY GH	REVISION A
PROPERTY DESG LOT 1713 on SP 98516	CHECKED BY JH	DATE 14/5/18
PROJECT PROPOSED LEES RESIDENCE	APPROVED BY HG	SCALE 1:200



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.

CLIENT BEACHSIDE HOMES	DRAWING TITLE SCAFFOLD PLAN	DRAWING NO. H1.01
LOCATION WINDERMERE CLOSE	DESIGNED BY CH	REVISION A
PROPERTY REF LOT 1713 ON SP198516	CHECKED BY JH	DATE 14/5/18
PROJECT PROPOSED LEES RESIDENCE	APPROVED BY HQ	SCALE 1:200

Answer





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

Answer



Record Of Toolbox Talk Form

Project:	Lees Residence	Presented By:	Beachside Homes
Meeting Called By:	E. Taylor	☐ WHS Committee	☐ H&S Representative
Date / Time:	14/09/2018	☐ Subcontractor	☐ Other

PPE Requirements

All persons on site shall wear the following Australian Standard approved PPE including

- All PPE must comply with relevant Australian Standards.
- High visibility shirts or vests and not singlets
- Safety helmet - must be replaced whenever a defect is found or every 3 years – the helmet harness must be replaced every 2 years
- Steel capped footwear preferably lace up type that minimises ankle roll
- Gloves shall be readily available e.g. via belt clip for each construction worker at all times and used where there is a risk of hand injury
- Contractors are responsible for selecting and supplying PPE for their workers and training their personnel in PPE use
- SWMS/JSA must state the specific type of PPE required
- The selection and use of PPE should always take into consideration outcomes of any risk assessment or SWMS /JSA that has been completed for the task at hand as additional PPE is required for some activities e.g. use of rotating tools (high impact face shield), welding etc.
- All persons using PPE shall be competent in its selection, use, fitting, maintenance, storage and disposal

Issues Raised by Workers (also record if no issues are raised)

Disputes

Proposed Action	To be Actioned by	Date Action Required	Date Action Completed	Signed

Attendance List – ALL persons attending must be recorded

Name	Signed	Name	Signed



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 See attachment

