

# CPCCBC4012B

## READ AND INTERPRET PLANS AND SPECIFICATIONS

### ASSESSMENT SUMMARY

The assessment activities for *CPCCBC4012B Read and interpret plans and specifications* 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 | Mellissa Parsons |
|------------------|------------------|

| Task                           | Assessment Results                    |                                               |
|--------------------------------|---------------------------------------|-----------------------------------------------|
| Theory Exam                    | <input type="checkbox"/> Satisfactory | <input type="checkbox"/> Not Yet Satisfactory |
| Practical Assessment           | <input type="checkbox"/> Satisfactory | <input type="checkbox"/> Not Yet Satisfactory |
| Outcome for Unit of Competency | <input type="checkbox"/> Competent    | <input type="checkbox"/> Not Yet Competent    |

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



# **CPCCBC4012B**

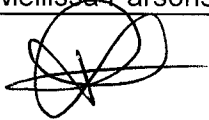
## **READ AND INTERPRET PLANS AND SPECIFICATIONS**

### **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 Melissa Parsons

Participant signature



Date

Click here to enter a date.

8/7/21

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     |
| 87                  |                                        | <input type="checkbox"/> | <input type="checkbox"/> |

### ASSESSOR COMMENTS

**Q1. Plans and specifications are used to inform which of the following processes? Tick all that apply.**

**Answer**

| Choice                              | Possible Answers         |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | Building contracts       |
| <input checked="" type="checkbox"/> | Development applications |
| <input checked="" type="checkbox"/> | Estimation               |
| <input checked="" type="checkbox"/> | Planning                 |
| <input checked="" type="checkbox"/> | Supervisory tasks        |
| <input checked="" type="checkbox"/> | Tenders                  |

☐

**Q2. Which compass direction is always shown on plans and drawings?**

**Answer** North

☐

**Q3. What information is provided on a location plan?**

**Answer** Site on particular street

☐

**Q4. What detail does a site or block plan contain?**

**Answer** Specific detail of the block development is proposed

☐

**Q5. What do floor plans identify?**

**Answer** Detail of proposed structure showing rooms / fixtures & floor coverings

☐

**Q6. What is a landscape plan and what information might it provide?**

**Answer** Details of outside. Plants, paths, garden layout and retaining walls

☐

**Q7. What are elevation views? What do they provide to the plan reader?**

**Answer** Views of proposed structure from all sides. Shows what it will look like from all sides

☐

**Q8. What is a section?**

**Answer**

View of the structure after it has been cut up vertically

Shows how roof is to be constructed

Heights between levels



**Q9. What are detailed drawings?**

**Answer**

Shows dimensions of partitions

Positioning of joinery units

Sizes of windows

Finer details



**Q10. What are specifications?**

**Answer**

Document with full description of work listing materials, details of fittings and fixtures.

Lists of products (brands. Models & colours)



**Q11. Explain the meaning of the abbreviations in the table below.**

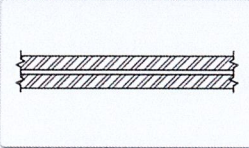
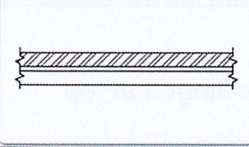
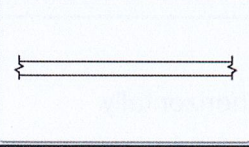
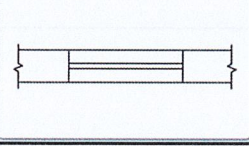
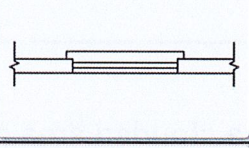
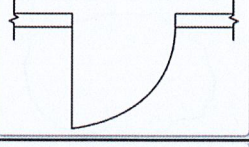
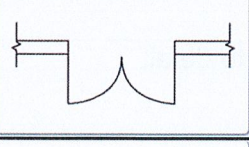
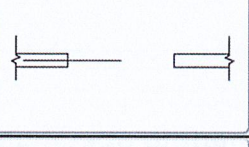
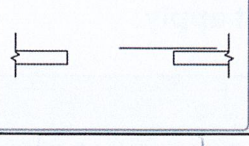
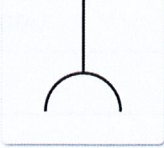
**Answer**

| Abbreviation | Meaning                   |
|--------------|---------------------------|
| ACRYL        | Acrylic                   |
| AS           | Australian Standards      |
| ASSD         | Assumed Datum             |
| B            | Basin                     |
| BN           | Bull Nose                 |
| BTH          | Bath                      |
| BWK          | Brickwork                 |
| CB           | Concrete Block            |
| CF           | Concrete floor            |
| CG           | Clear glass               |
| CJ           | Ceiling joist             |
| CORR         | Corrugated                |
| CWT          | Cold water tank           |
| DG           | Double glaze              |
| DH           | Double hung               |
| DPC          | Damp proof course         |
| DSB          | Distribution switch board |
| DW           | Dishwasher                |
| EJ           | Expansion joint           |
| FPBD         | Fibrous plaster board     |
| FFL          | Finished floor level      |
| FHR          | Fire hose reel            |
| GPO          | General purpose outlet    |
| HBD          | Hardboard                 |
| HTR          | Heater                    |
| HWD          | hardwood                  |



**Q12. Name each of the drawing symbol images shown in the table below.**

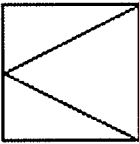
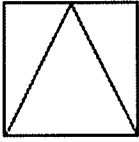
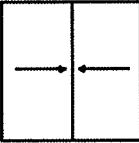
**Answer**

| Name                       | Image                                                                                |
|----------------------------|--------------------------------------------------------------------------------------|
| Double brickwork           |    |
| Brickwork over veneer      |    |
| Stud partitions            |    |
| Window block between walls |    |
| Window in timber partition |   |
| Single door open 90Deg     |  |
| Double door open 90deg     |  |
| Cavity slide door          |  |
| Face mount slide door      |  |
| Single socket power outlet |  |



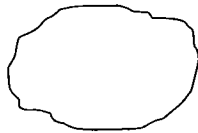
**Q13. Identify what the following window symbols represent on elevations.**

**Answer**

| Item                  | Drawing                                                                             |
|-----------------------|-------------------------------------------------------------------------------------|
| Window hinged at side |   |
| Window hinged at top  |   |
| Sliding horizontally  |   |
| fixed                 |  |



**Q14. What does a clouded area on a plan indicate?**



**Answer** Change to detail



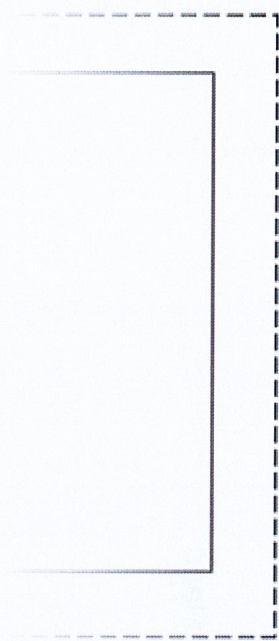
**Q15. An amendment to specifications could relate to which of the following?  
Tick all that apply.**

**Answer**

| Choice                              | Possible Answers                                 |
|-------------------------------------|--------------------------------------------------|
| <input type="checkbox"/>            | Contact details of all construction crew members |
| <input checked="" type="checkbox"/> | Materials or products used                       |
| <input checked="" type="checkbox"/> | Methods of carrying out specified work           |



Refer to the title block below to respond to Q16. to Q18.

|                                                                                   |                                                                                |                                       |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------|
|  | Site address:<br>LOT 437, SOUTH ST,<br>MARYVILLE WA                            |                                       |
|                                                                                   | Client:<br>JM & KL JOHNSON                                                     |                                       |
|                                                                                   | Project # 2012/15                                                              | Project name:<br>JOHNSON<br>RESIDENCE |
|                                                                                   | Builder:<br>HOTSHOT HOMES                                                      |                                       |
|                                                                                   | Drawn by:<br>MW                                                                | Date:<br>July 2011                    |
|                                                                                   | AMENDMENTS:<br>5/10/2011 Window added to study<br>8/11/2011 Bed 3 robe deleted |                                       |
| Title:<br>FLOOR PLAN                                                              | Scale:<br>1:100                                                                |                                       |
| Drawing # 3 OF 7                                                                  |                                                                                |                                       |

Source: [http://www.dtwd.wa.gov.au/sites/default/files/teachingproducts/BC1934\\_CCBY.PDF](http://www.dtwd.wa.gov.au/sites/default/files/teachingproducts/BC1934_CCBY.PDF)

Q16. On what date was an amendment made to the window details?

Answer 5/10/2011

☐

Q17. True or False (Tick your response): Details of the window in Q16. should also be reflected in the specifications and confirmed with the client.

Answer

|                                     |       |
|-------------------------------------|-------|
| <input checked="" type="checkbox"/> | True  |
| <input type="checkbox"/>            | False |

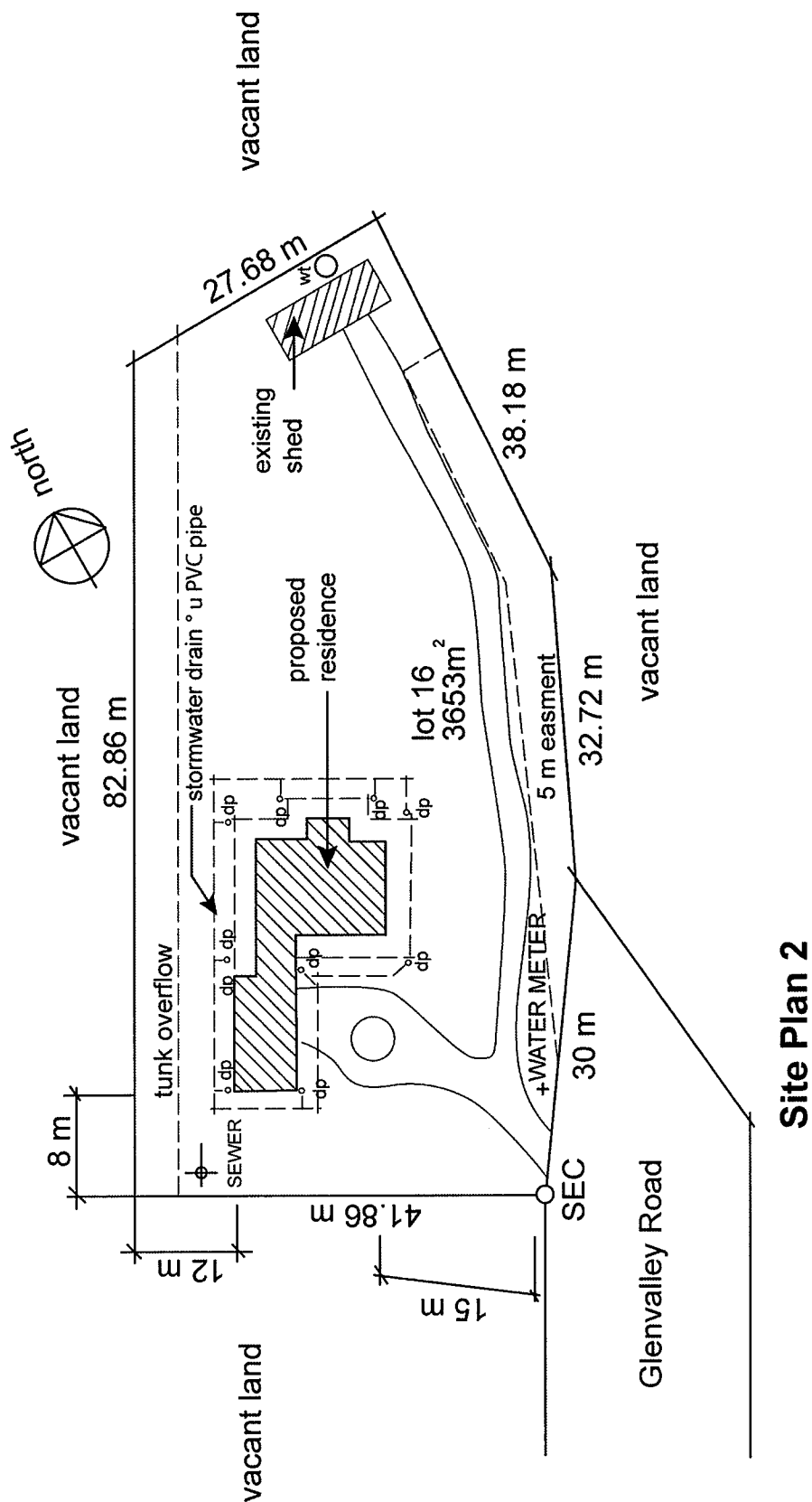
☐

Q18. What amendment occurred on 08/11/2011?

Answer Robe in bed 3 deleted

☐

**Refer to the site plan below to respond to Q19. to Q26.**



| Clients : H&M Smith<br>Lot 16 Glenvalley Road<br>Richmond | North<br> | drawn : DJA<br><br>date : 11/10/07<br><br>scale : 1 : 500<br><br>drg no : WD 9733<br><br>sheet 6 of 7 | REVISIONS<br><table><tr><th>NO</th><th>DATE</th><th>BY</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> | NO | DATE | BY |  |  |  |  |  |  |  |  |  |  |  |  | Joe Foreman<br>Ph: 03 9514 2311<br>Mob: 0413 113 113<br>18 Fairview Road, Richmond 3216 |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|----|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------|
| NO                                                        | DATE                                                                                          | BY                                                                                                    |                                                                                                                                                                                                                                      |    |      |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                         |
|                                                           |                                                                                               |                                                                                                       |                                                                                                                                                                                                                                      |    |      |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                         |
|                                                           |                                                                                               |                                                                                                       |                                                                                                                                                                                                                                      |    |      |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                         |
|                                                           |                                                                                               |                                                                                                       |                                                                                                                                                                                                                                      |    |      |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                         |
|                                                           |                                                                                               |                                                                                                       |                                                                                                                                                                                                                                      |    |      |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                         |

**Q19. What structure is being built on this site? Tick your response.**

| Choice                              | Possible Answers |
|-------------------------------------|------------------|
| <input checked="" type="checkbox"/> | Residence        |
| <input type="checkbox"/>            | Road             |
| <input type="checkbox"/>            | Shed             |
| <input type="checkbox"/>            | Water meter      |

**Q20. What is the Lot number of this site?**

|        |    |
|--------|----|
| Answer | 16 |
|--------|----|

**Q21. What is the size of this lot?**

|        |        |
|--------|--------|
| Answer | 3653m2 |
|--------|--------|

**Q22. Is the shed at the north-east of the proposed structure to be removed or retained? Tick your response.**

| Choice                              | Possible Answers |
|-------------------------------------|------------------|
| <input type="checkbox"/>            | Removed          |
| <input checked="" type="checkbox"/> | Retained         |

**Q23. True or False (Tick your response): The sewer is at the eastern boundary of the property.**

|        |                                           |
|--------|-------------------------------------------|
| Answer | <input type="checkbox"/> True             |
|        | <input checked="" type="checkbox"/> False |

**Q24. True or False (Tick your response): The driveway is located to the south of the proposed property.**

|        |                                          |
|--------|------------------------------------------|
| Answer | <input checked="" type="checkbox"/> True |
|        | <input type="checkbox"/> False           |

**Q25. What size is the easement on the eastern boundary of the site?**

Answer 5m

☐

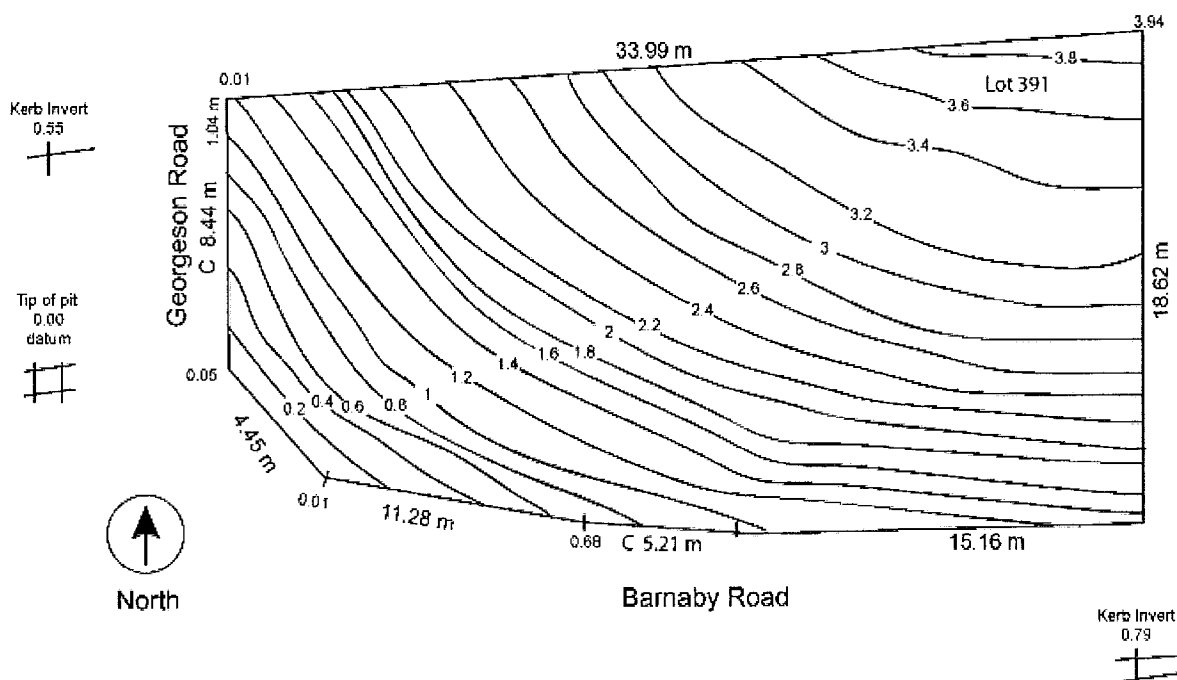
**Q26. True or False (Tick your response): The stormwater drain is constructed from PVC pipe.**

Answer

|                                     |       |
|-------------------------------------|-------|
| <input checked="" type="checkbox"/> | True  |
| <input type="checkbox"/>            | False |

☐

*Refer to the contour plan below to respond to Q27. to Q28.*



**Q27. What is the level at the northernmost point of the site?**

Answer 3.94

☐

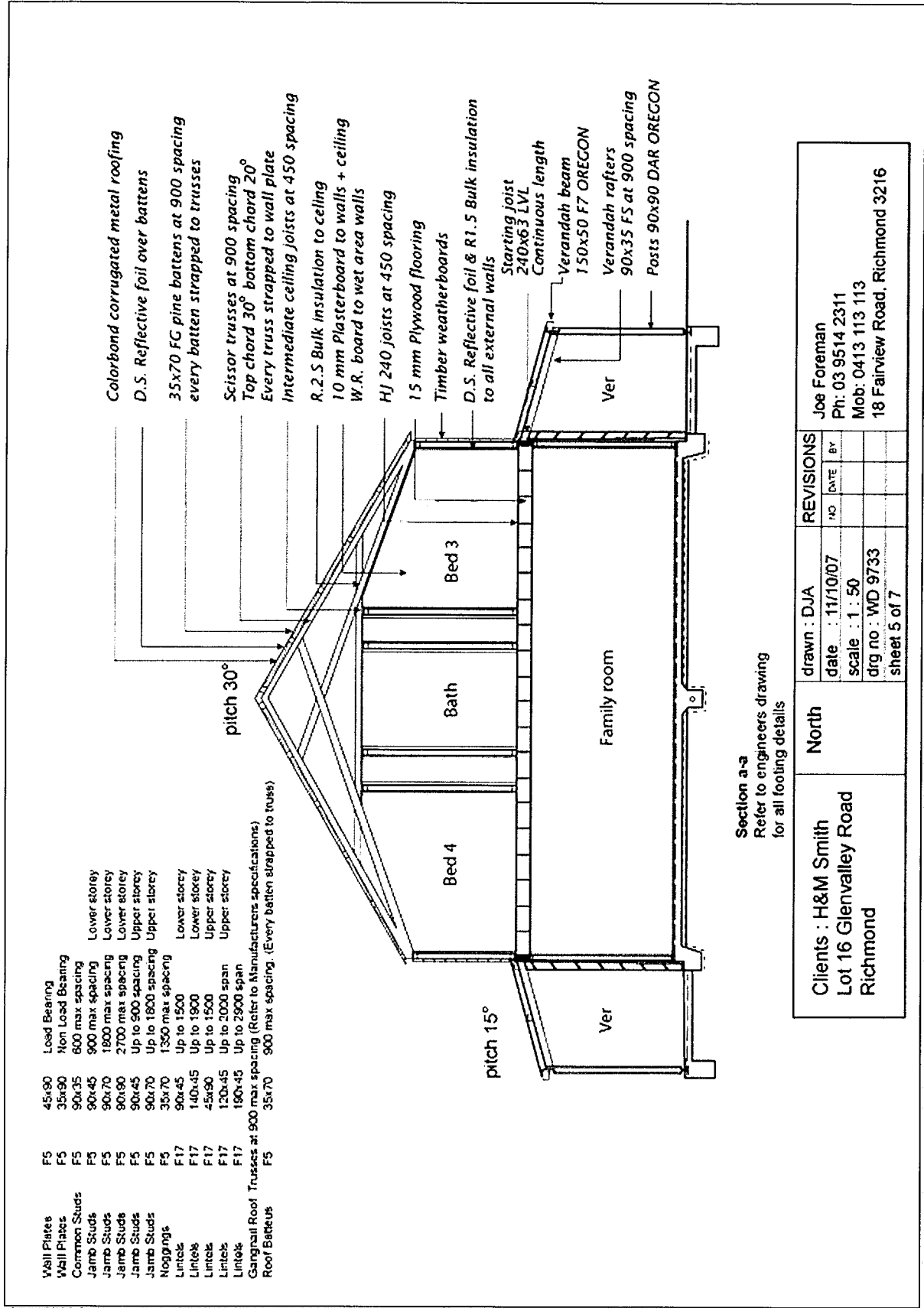
**Q28. Which end of the site has the lowest level? Tick your response.**

Answer

| Choice                              | Possible Answers |
|-------------------------------------|------------------|
| <input type="checkbox"/>            | East             |
| <input checked="" type="checkbox"/> | West             |

☐

Refer to the sectional drawing below to respond to Q29. to Q49.



**Q29. Give a brief description about the building from the detail available in the sectional drawing. Is it the same structure proposed in Q19. to Q26. ?**

**Answer** 2 story 4 bedroom residence. Roof is to be colour bond corrugated metal. There is to be a veranda at either end of the residence  
Flooring is to be plywood and outside cladding to be timber weather board  
Q19 & Q26 is a residence ☐

**Q30. Who is the client?**

**Answer** H&M Smith ☐

**Q31. Where is this project to be built?**

**Answer** Lot 16 Glenvalley Road, Richmond ☐

**Q32. What are the contact details for the draftsman?**

**Answer** Jo Foreman  
Ph: 03 9514 2311  
Mob: 0413 113 113  
18 Fairview Road, Richmond 3216 ☐

**Q33. What sheet number is this drawing?**

**Answer** 5 of 7 ☐

**Q34. What timber is required for loading and non-load bearing walls?**

**Answer** Load F5 45x9  
Non F5 35x90 ☐

**Q35. What spacing is recommended for common studs?**

Answer  ☐

**Q36. What type of roof truss is to be installed?**

Answer  ☐

**Q37. What centres are the trusses positioned at?**

Answer  ☐

**Q38. What size are the veranda posts?**

Answer  ☐

**Q39. What timber species are the veranda posts to come from?**

Answer  ☐

**Q40. What pitch is the roof?**

Answer  ☐

**Q41. What size are the noggings and at what spacing?**

Answer  ☐

**Q42. What size are the ceiling joists?**

Answer  ☐

**Q43. What timber is used for roof battens and what spacing?**

**Answer** Pine 900

☐

**Q44. What thickness is the plasterboard sheeting?**

**Answer** 10mm

☐

**Q45. What type of flooring is to be installed?**

**Answer** plywood

☐

**Q46. What is the roof cladding material?**

**Answer** Colourbond corrugated metal

☐

**Q47. Where will you find information about the footings?**

**Answer** Section a - a  
Engineer drawing  
Footing detail

☐

**Q48. What do the letters 'DAR' refer when timber ordering?**

**Answer** Dressed all round

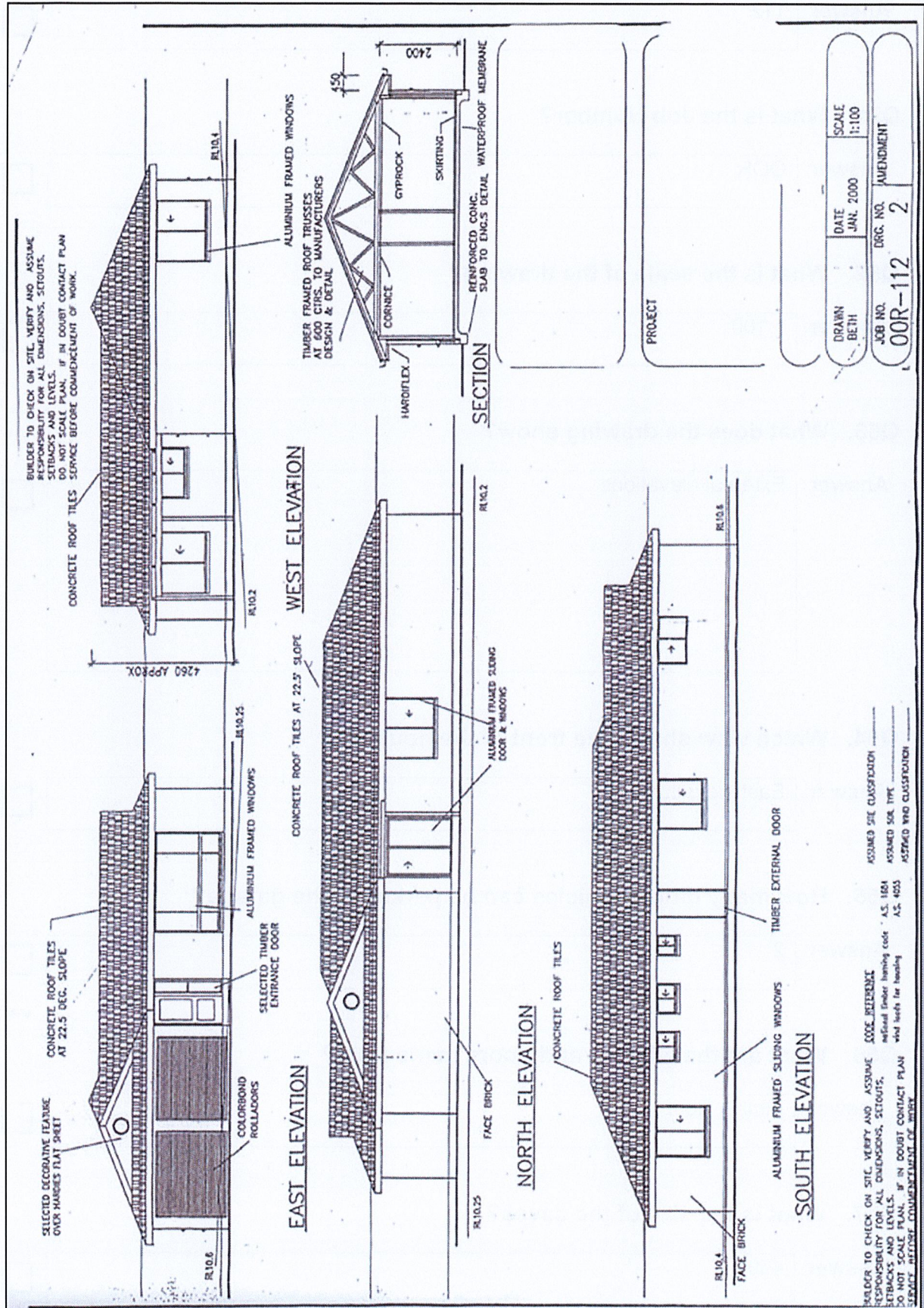
☐

**Q49. Explain what '240 x 63 LVL' refers to on the sectional drawing. What do the letters 'LVL' refer to?**

**Answer** Starting joist  
Laminated vanere lumbar

☐

Refer to the drawing below to respond to Q50. to Q65.



**Q50. What is the number of the drawing?**

Answer 112

☐

**Q51. What is the Job Number?**

Answer OOR

☐

**Q52. What is the scale of the drawing?**

Answer 1:100

☐

**Q53. What does the drawing show?**

Answer External elevations

☐

**Q54. Which view shows the front of the house?**

Answer East elevation

☐

**Q55. How many motor vehicles can be parked in the garage?**

Answer 2

☐

**Q56. What are the window and doors made from?**

Answer Timber door

☐

**Q57. What is the size of the eaves?**

Answer 450

☐

**Q58. What are the eaves lined with?**

Answer hardiflex

☐

**Q59. What type of roof structure is the roof built from?**

Answer Timber trusses

☐

**Q60. Which Part of the NCC should be read for more detail about the requirements for the roof structure in Q59. ?**

Answer V2, part 3.4.3

☐

**Q61. Which Australian Standard should be read for more detail about the roof structure in Q59. ?**

Answer AS 1562.1:2008

☐

**Q62. What is the roof cladding materials made from?**

Answer Concrete roof tiles

☐

**Q63. Which Part of the NCC should be read for more detail about the roof cladding materials in Q62. ?**

Answer V2, part 3.5.2

☐

**Q64. Which Australian Standard should be read for more detail about the roof cladding materials in Q62. ?**

Answer AS 1562.1:2018 & AS 2049 & AS2050

☐

**Q65. What is the roof pitch?**

Answer 22.5deg

☐

**Q66. Identify one (1) regulatory body you may need to submit plans to for approval?**

**Answer** City council

☐

**Q67. Briefly describe the approval process and timeframes for an approval through the regulatory body in Q66.**

**Answer** Pre lodgement meeting with council planner. 10 days prior to meeting lodge request and supporting documents

☐

Prepare application

Lodge application & pay fees within 30 days

Application on public notification

Decision up to 3 months

**Q68. What is a prime cost (PC) item? Give an example.**

**Answer** Amount of money in contract for tiles and plumbing fixtures

☐

**Q69. What is a provisional sum (PS) item? Give an example.**

**Answer** Amount of money in contract for unexpected site works costs

☐

Refer to the Bill of Quantities below to respond to Q70. to Q76.



Page 1 of 2

### Organized Builders Estimating Solutions

#### Bill Summary

7 October 2011

**Web2Stem** Website Template 2 storey  
Organized Builders  
P.O. Box 5280 Frankston South 3199  
0413 770 956

| <u>Cost Centre</u> |                           | <u>Amount</u>      |            |
|--------------------|---------------------------|--------------------|------------|
| 01                 | PRELIMINARIES             | \$21,239.00        | 5.9%       |
| 01A                | Preliminary Stage         | \$0.00             | .0%        |
| 02                 | SITE PREP & DEMOLITION    | \$6,010.00         | 1.7%       |
| 03                 | HIRE ITEMS                | \$8,909.70         | 2.5%       |
| 04                 | SET OUT                   | \$1,350.00         | .4%        |
| 05                 | POWER PROVISION           | \$2,670.00         | .7%        |
| 06                 | WATER CONNECTION          | \$1,550.00         | .4%        |
| 07                 | SEWERAGE & STORMWATER     | \$9,400.00         | 2.6%       |
|                    | <b>01 - Prelims</b>       | <b>\$51,128.70</b> | <b>14%</b> |
| 08A                | Base Stage                | \$0.00             | .0%        |
| 08                 | PUMP & CRANE HIRE         | \$2,070.00         | .6%        |
| 09                 | TERMITE CONTROL           | \$700.00           | .2%        |
| 13                 | FOUNDATION PACKAGE        | \$19,079.00        | 5.3%       |
| 17                 | STRUCTURAL STEEL          | \$12,000.00        | 3.3%       |
|                    | <b>02 - Base</b>          | <b>\$33,849.00</b> | <b>9%</b>  |
| 20A                | Frame Stage               | \$0.00             | .0%        |
| 20                 | FRAME TIMBER              | \$5,127.16         | 1.4%       |
| 22                 | FLOOR TRUSSES             | \$2,249.60         | .6%        |
| 23                 | ROOF TRUSSES              | \$3,360.00         | .9%        |
| 24                 | WINDOWS ALUMINIUM         | \$25,541.00        | 7.1%       |
| 29                 | FRAME CARPENTER           | \$7,336.00         | 2.0%       |
|                    | <b>03 - Frame</b>         | <b>\$43,613.76</b> | <b>12%</b> |
| 30A                | Lockup Stage              | \$0.00             | .0%        |
| 31                 | METAL ROOF                | \$16,538.90        | 4.6%       |
| 32                 | RENDERING                 | \$9,096.00         | 2.5%       |
| 34                 | BRICK SUPPLY              | \$3,276.00         | .9%        |
| 35                 | BRICK SAND                | \$600.00           | .2%        |
| 36                 | STEEL LINTELS             | \$828.52           | .2%        |
| 38                 | BRICKLAYER                | \$8,460.00         | 2.4%       |
| 39                 | ELECTRICIAN               | \$152.01           | .0%        |
| 40                 | INTERCOM & SECURITY       | \$1,200.00         | .3%        |
| 41                 | PLUMBER                   | \$6,775.00         | 1.9%       |
| 42                 | DUCTED HEATING & COOLING  | \$18,900.00        | 5.3%       |
| 43                 | INTERNAL LOCKUP MATERIALS | \$921.85           | .3%        |
| 45                 | INTERNAL LOCKUP CARPENTER | \$2,400.00         | .7%        |
| 46                 | WALL INSULATION           | \$3,285.50         | .9%        |
| 47                 | EXTERNAL LOCKUP MATERIALS | \$1,938.70         | .5%        |
| 48                 | EXTERNAL LOCKUP CARPENTER | \$11,770.00        | 3.3%       |
|                    | <b>04 - Lockup</b>        | <b>\$86,142.48</b> | <b>24%</b> |
| 50A                | Fixing Stage              | \$0.00             | .0%        |

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**Organized Builders Estimating Solutions****Bill Summary**

7 October 2011

Web2Stem      Website Template 2 storey  
 Organized Builders  
 P.O. Box 5280 Frankston South 3199  
 0413 770 956

| <u>Cost Centre</u>                 | <u>Amount</u>       |            |
|------------------------------------|---------------------|------------|
| 50 PLASTERER                       | \$12,900.00         | 3.6%       |
| 51 STAIRCASE & BALUSTRADE          | \$7,000.00          | 1.9%       |
| 52 CABINET MAKER                   | \$22,000.00         | 6.1%       |
| 53 SINKS & BASINS                  | \$2,086.03          | .6%        |
| 54 FIX MATERIALS                   | \$2,010.69          | .6%        |
| 55 FIX CARPENTER                   | \$3,631.60          | 1.0%       |
| 56 INTERNAL TILE SUPPLY            | \$6,100.00          | 1.7%       |
| 57 INTERNAL TILER                  | \$7,398.80          | 2.1%       |
| 58 PAINTER                         | \$16,075.90         | 4.5%       |
| 59 SHOWER SCREENS & MIRRORS        | \$1,448.00          | .4%        |
| 61 TOILET SUITES                   | \$1,500.00          | .4%        |
| <b>05 - Fixing</b>                 | <b>\$82,151.02</b>  | <b>23%</b> |
| 61A Completion Stage               | \$0.00              | .0%        |
| 62 KITCHEN APPLIANCES              | \$2,700.00          | .8%        |
| 63 HOT WATER SUPPLY                | \$2,408.80          | .7%        |
| 64 TAPWARE SUPPLY                  | \$2,745.00          | .8%        |
| 67 GARAGE DOOR SUPPLY              | \$1,437.84          | .4%        |
| 68 HOUSE CLEANER                   | \$1,088.00          | .3%        |
| 71 CARPET, VYNIL & FLOATING FLOORS | \$3,350.00          | .9%        |
| 72 CLOTHES LINE & MAILBOX          | \$700.00            | .2%        |
| 73 WINDOW FURNISHINGS              | \$5,000.00          | 1.4%       |
| 74 FENCING                         | \$4,665.50          | 1.3%       |
| 76 LANDSCAPING                     | \$12,000.00         | 3.3%       |
| 78 OFFICE FEES & COSTS             | \$26,000.00         | 7.2%       |
| <b>06 - Completion</b>             | <b>\$62,095.14</b>  | <b>17%</b> |
| <b>Total</b>                       | <b>\$358,980.10</b> |            |
| Contingency Sum 1.0%               | \$3,589.80          |            |
| Profit & Overheads 18.0%           | \$65,262.58         |            |
| GST 10.0%                          | \$42,783.25         |            |
| <b>Total</b>                       | <b>\$470,615.73</b> |            |

**Prices do NOT include GST**

**Q70. True or False (Tick your response): This Bill of Quantities represents a job for a two-storey house.**

Answer

|                                     |       |
|-------------------------------------|-------|
| <input checked="" type="checkbox"/> | True  |
| <input type="checkbox"/>            | False |

☐

**Q71. Identify two (2) materials being used for the floors?**

Answer Tiles & carpet

☐

**Q72. True or False (Tick your response): A landscaper has been contracted for this job.**

Answer

|                                     |       |
|-------------------------------------|-------|
| <input type="checkbox"/>            | True  |
| <input checked="" type="checkbox"/> | False |

☐

**Q73. How much does the contracted plasterer cost?**

Answer \$12,900

☐

**Q74. How much do the kitchen appliances cost?**

Answer \$2,700

☐

**Q75. What percentage of the total cost does the fixing stage represent of the building contract?**

Answer 23%

☐

**Q76. What percentage of the total cost does the completion stage represent of the building contract?**

Answer 17%

☐

Refer to the Purchase Order below to respond to Q77. to Q82.

|                                                                                   |                                                                                                                                                         |                                               |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|  | <b>Organized Builders Estimating Solutions</b><br>A.B.N. 3609592003<br>info@organizedbuilders.com.au<br>P.O. Box 5280 Frankston South 3199 0413 770 956 | Page 1 of 2<br><br><br><br><br>7 October 2011 |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|

**Purchase Order No Web2Stem/20**

**Delivery Date**

Order Date 7/10/2011:

|    |                    |     |                                                                                                                                       |
|----|--------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------|
| TO | TO BE ALLOCATED TO | JOB | Organized Builders<br>P.O. Box 5280 Frankston South 3199<br>0413 770 956<br><br>Supervisor      Builder<br>Job Type        Two Storey |
|----|--------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------|

**Please Supply: FRAME TIMBER**

| Reference | Description                                               | Quantity | Units | @        | Amount   |
|-----------|-----------------------------------------------------------|----------|-------|----------|----------|
|           | Frame timber                                              | 1        |       | \$0.00 * | \$0.00   |
|           | Ground floor walls and beams to ceiling / floor           |          |       |          |          |
|           | Pine 90 x 35 msp10 (long lengths)                         | 130      | m     | \$1.00 * | \$130.00 |
|           | Pine 90 x 45 msp10 (Long Lengths)                         | 120      | m     | \$1.00 * | \$120.00 |
|           | Pine F5 90 x 45 studs 2.4 m long                          | 100      | each  | \$1.00 * | \$100.00 |
|           | Studs Cut to mm                                           |          |       |          |          |
|           | Pine F5 90 x 45 studs 2.7 m long                          | 45       | each  | \$1.00 * | \$45.00  |
|           | Studs Cut to mm                                           |          |       |          |          |
|           | Pine 90 x 45 msp10 (Long Lengths)                         | 322.5    | m     | \$1.00 * | \$322.50 |
|           | studs over 2.7                                            |          |       |          |          |
|           | 80/3.0 25/3.3                                             |          |       |          |          |
|           | 90 x 45 KDHW F17                                          | 189.3    | m     | \$1.00 * | \$189.30 |
|           | 15/5.4 1/2.7 2/1.9 9/3.0 22/2.4 8/3.0                     |          |       |          |          |
|           | 140 X 45 KDHW F17                                         | 70.8     | m     | \$1.00 * | \$70.80  |
|           | 13/3.6 7/2.4 4/1.8                                        |          |       |          |          |
|           | 240 X 45 KDHW F17                                         | 40.5     | m     | \$1.00 * | \$40.50  |
|           | alternate option / better to use E14 beams in lieu of F17 |          |       |          |          |
|           | 7/3.6 2/3.3 1/2.1 1/1.5 1/1.2 1/3.9                       |          |       |          |          |
|           | 240 X 45 KDHW F17                                         | 22.8     | m     | \$1.00 * | \$22.80  |
|           | Must be H2 treated                                        |          |       |          |          |
|           | 2/3.6 4/3.9                                               |          |       |          |          |
|           | 290 x 45 F17 KDHW                                         | 71.4     | m     | \$1.00 * | \$71.40  |
|           | 6/3.9 2/3.3 4/4.2 6/3.6 1/1.2 1/1.8                       |          |       |          |          |
|           | Sheet brace 2400 x 1200 4mm Ply                           | 3        | sheet | \$1.00 * | \$3.00   |
|           | Sheet brace 2700 x 1200 4mm Ply                           | 6        | sheet | \$1.00 * | \$6.00   |
|           | Sheet brace 3000 x 1200 4mm Ply                           | 4        | sheet | \$1.00 * | \$4.00   |

This Order is subject to our Standard Notes and Conditions. Authorised by:

-----  
Organized Builders

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Source: <http://organizedbuilders.com.au/sites/default/files/Databuild-Bill-of-Quantities.pdf>

**Q77. How many Pine F5 90 x 45 studs (2.4m long) are required?**

**Answer** 100

☐

**Q78. If the material in Q77. increased in cost to \$2.75 each, what would be the total cost for this material?**

**Answer** \$275

☐

**Q79. How many sheet of ply are required in total (i.e. all sizes)?**

**Answer** 13

☐

**Q80. What material has the highest total cost?**

**Answer** Pine 90 x 45 mgp10 (long length)

☐

**Q81. How many metres are required of the material in Q80. ?**

**Answer** 322.5m

☐

**Q82. What beam is identified as being a better option than F17?**

**Answer** E14

☐

**Refer to the labour chart below to respond to Q83. to Q86.**

| <b>LABOUR</b>         |                                                        | Registered<br>(for des<br>tra |
|-----------------------|--------------------------------------------------------|-------------------------------|
| <b>BUILDING WORKS</b> |                                                        | Skilled<br>Worker             |
| <i>Per hour</i>       |                                                        | A<br>S                        |
| 17001                 | Asphalter (Road Construction).....                     | 107.40                        |
| 17002                 | Bamboo Scaffolder.....                                 | 187.20                        |
| 17003                 | Bar Bender and Fixer.....                              | 214.30                        |
| 17004                 | Bricklayer.....                                        | 136.70                        |
| 17005                 | Builder's Lift Operator.....                           | -                             |
| 17006                 | Carpenter (Formwork - Building Construction).....      | 201.10                        |
| 17007                 | Concrete Repairer (Spalling Concrete).....             | 185.60                        |
| 17008                 | Concretor.....                                         | 194.50                        |
| 17009                 | Construction Plant Mechanic.....                       | 150.60                        |
| 17010                 | Demolition Worker.....                                 | 165.60                        |
| 17011                 | Drainlayer.....                                        | 166.00                        |
| 17012                 | Floor Layer.....                                       | 139.20                        |
| 17013                 | General Welder.....                                    | 152.00                        |
| 17014                 | Glazier.....                                           | 154.80                        |
| 17015                 | Joiner.....                                            | 139.20                        |
| 17016                 | Leveller.....                                          | 150.20                        |
| 17017                 | Marble Worker.....                                     | 179.80                        |
| 17018                 | Mason.....                                             | 146.10                        |
| 17019                 | Metal Scaffolder.....                                  | 131.00                        |
| 17020                 | Metal Worker.....                                      | 154.70                        |
| 17021                 | Painter and Decorator.....                             | 127.40                        |
| 17022                 | Painter (Texture-Spray).....                           | -                             |
| 17023                 | Pipelayer.....                                         | 166.00                        |
| 17024                 | Plant and Equipment Operator (other than cranes) ..... | 129.60                        |
| 17025                 | Plant and Equipment Operator (cranes generally).....   | 168.50                        |
| 17026                 | Plasterer.....                                         | 154.70                        |
| 17027                 | Plumber.....                                           | 140.20                        |

Source: [https://www.archsd.gov.hk/media/89170/sor2013\\_vol1\\_builders\\_works\\_2013\\_11\\_04.pdf](https://www.archsd.gov.hk/media/89170/sor2013_vol1_builders_works_2013_11_04.pdf)

**Q83. Based on the hourly rates given, which is the least expensive trade to contract?**

**Answer** Asphalt (road construction)

☐

**Q84. If the trade in Q83. were to be contracted for two (2) hours' work, how much would this cost?**

**Answer** \$214.80

☐

**Q85. Based on the hourly rates given, which is the most expensive trade to contract?**

**Answer** Bar bender & Fixer

☐

**Q86. If the trade in Q85. were to be contracted for six (6) hours' work, how much would this cost?**

**Answer** \$1,285.80

☐

**Q87. Name the building legislation (Act and Regulations) that apply within your jurisdiction and should be referenced when reading plans and building contracts.**

**Answer** Queensland Building and Construction Commission Act 1991

Queensland Building and Construction Commission Regulation 2018

☐



## **CPCCBC4012B READ AND INTERPRET PLANS AND SPECIFICATIONS**

### **PRACTICAL ASSESSMENT INSTRUCTIONS**

- The following practical assessment will require the Participant to complete work related activities.
- The Assessor will conduct observations of the Participant's work to determine whether they display sufficient practical skills and knowledge.
- Please fill in the details below – providing your name, signature and date of assessment.
  - The Participant's signature acknowledges that the Assessor provided clear instructions and the Participant understood what was required to complete this assessment.
- The Assessor may substitute a Practical Task with an alternate task of equal value.
  - Alternate tasks must be fully documented by the assessor in the Assessor Comments area.

Participant name Mellissa Parsons

Participant signature \_\_\_\_\_

Date Click here to enter a date.

Assessor name \_\_\_\_\_

Assessor signature \_\_\_\_\_

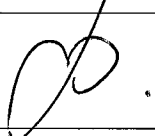
Date Click here to enter a date.

| Task                | Task outcome (Tick)      |                          |
|---------------------|--------------------------|--------------------------|
|                     | Satisfactory             | Not Yet Satisfactory     |
| Task 1 (Occasion 1) | <input type="checkbox"/> | <input type="checkbox"/> |
| Task 1 (Occasion 2) | <input type="checkbox"/> | <input type="checkbox"/> |

### ASSESSOR COMMENTS

## CPCCBC4012B

### READ AND INTERPRET PLANS AND SPECIFICATIONS

| Practical Task 1 (2X)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|
| <b>Description of task:</b><br>On two (2) occasions, a suitable observer is to verify the participant's ability to read and interpret plans and specifications in order to inform estimation, planning and supervisory activities.<br><br>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. Evidence to be submitted may include: <ul style="list-style-type: none"> <li>Any drawing with a cloud or mark-up you have inserted.</li> <li>Copy of the correspondence regarding mark up and any site management/authorising engineer response.</li> </ul> The observer is to provide detailed comments on the tasks completed by the participant. The assessor is to verify the observer's comments in the Assessor Comments section, and provide the Practical Assessment outcome on the front cover of this document. |                                                                                     |                                     |
| <b>Resources required:</b><br>Drawings (including site plan), Specifications, Tender documentation, Telephone, Facsimile machine, Computer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     |                                     |
| <b>Assessment of task</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                     |
| <b>Name of participant:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mellissa Parsons                                                                    |                                     |
| <b>Name of observer:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Daniel Ogden                                                                        |                                     |
| <b>Role of observer<br/>(Confirm suitability to sign)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Senior Contracts Administrator                                                      |                                     |
| <b>Email address of observer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dogden@rcq.net.au                                                                   |                                     |
| <b>Signature of observer:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                     |
| <b>Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Click here to enter a date. 8/7/21                                                  |                                     |
| When completing the task, did the participant:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tick if satisfactorily completed.<br>Provide comments if left unticked.             |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 <sup>st</sup><br>Occasion                                                         | 2 <sup>nd</sup><br>Occasion         |
| <b>1 Interpret drawings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     |                                     |
| 1.1A. Identify purpose and advantage of different types of drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/>                                                 | <input checked="" type="checkbox"/> |
| 1.1B. Identify different aspects of drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/>                                                 | <input checked="" type="checkbox"/> |
| 1.1C. Identify, understand and apply: <ul style="list-style-type: none"> <li>Commonly used symbols and abbreviations</li> <li>Common building and construction terms on drawings</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input checked="" type="checkbox"/>                                                 | <input checked="" type="checkbox"/> |
| 1.1D. Identify building site from location drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/>                                                 | <input checked="" type="checkbox"/> |
| 1.1E. Identify on the site plan: <ul style="list-style-type: none"> <li>True north</li> <li>Building orientation</li> <li>Key features in relation to building and other structures</li> <li>Levels</li> <li>Contours</li> <li>Service entry points</li> <li>Site features to be removed or retained</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input checked="" type="checkbox"/>                                                 | <input checked="" type="checkbox"/> |

|                                                                                                                                                                                                                                                                                       |                                     |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| 1.1F. Identify key features of plans, elevations and sections.                                                                                                                                                                                                                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1G. Identify client requested variations to standard plans on drawings.                                                                                                                                                                                                             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>2 Interpret specifications</b>                                                                                                                                                                                                                                                     |                                     |                                     |
| 1.2A. Identify and correctly apply Provisional Sum (PS) and Prime Cost (PC) values.                                                                                                                                                                                                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2B. Identify and confirm customer variations to standard specifications and communicate changes to organisational personnel.                                                                                                                                                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2C. Apply and communicate correct interpretations of essential elements to estimation, planning and supervisory tasks (including labour hours/costs and material quantities/costs).                                                                                                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2D. Identify Building Codes or standards affecting the work to be undertaken (including references to Australian Standards and the National Construction Code).                                                                                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 1.2E. Identify key features of products included in the specification, including the design, purpose, aesthetics and cost relationships.                                                                                                                                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>3 Communicate with others</b>                                                                                                                                                                                                                                                      |                                     |                                     |
| 1.3A. Consult with industry professionals, clients, organisational personnel and appropriate local authorities.                                                                                                                                                                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3B. Effectively communicate using the following methods: <ul style="list-style-type: none"> <li>Verbally using language/concepts appropriate to cultural differences</li> <li>Non-verbal communication</li> <li>Using technology (including telephone, facsimile, email)</li> </ul> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| The Participant's performance was: <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Not Satisfactory                                                                                                                                                         |                                     |                                     |

### OBSERVER COMMENTS

Occasion 1 – errors with the kitchen drawings versus the schedule

Occasion 2 – commercial bathroom changes as per the client

Melissa has completed the content within her abilities.