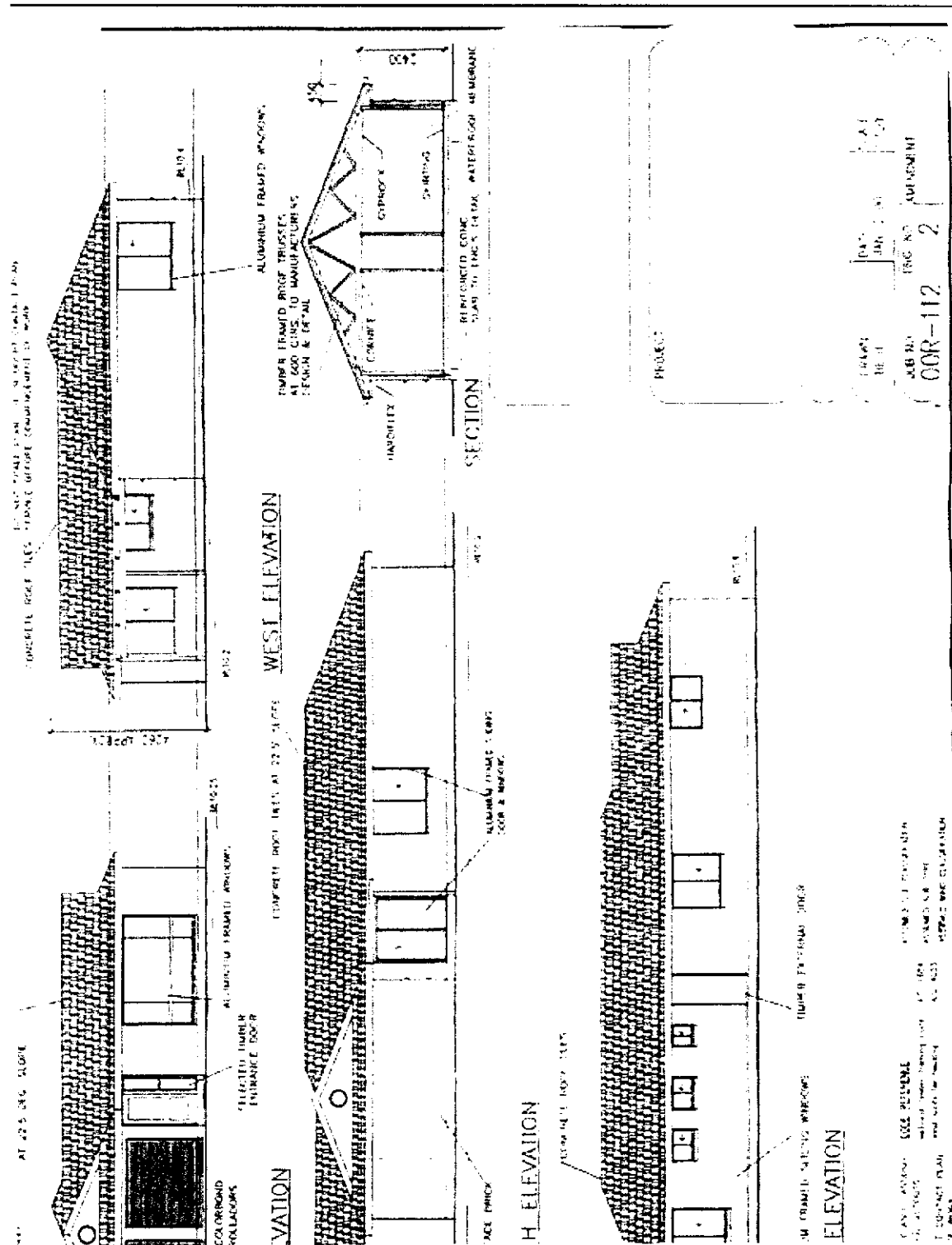


Refer to the drawing below to respond to Q50. to Q65.



Q50. What is the number of the drawing?

Answer ☐

Q51. What is the Job Number?

Answer ☐

Q52. What is the scale of the drawing?

Answer ☐

Q53. What does the drawing show?

Answer ☐

Q54. Which view shows the front of the house?

Answer ☐

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

Answer ☐

Q56. What are the window and doors made from?

Answer ☐

Q57. What is the size of the eaves?

Answer ☐

Q58. What are the eaves lined with?

Answer

Cornice

☐

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

Answer

Timber frame

☐

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

Answer

Part 3.0 Structural provisions

☐

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

Answer

1684 Residential Timber framed construction

☐

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

Part 3.5. Roof & wall cladding.

☐

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

Answer

AS 1562.1:2018, Design & installation

☐

Q65. What is the roof pitch?

Answer

22.5 Deg.

☐

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

Answer

Development Approval



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

Answer

Step1- Determine what type of development you are undertaking
Step2- Determine the type of assessment required
Step3- Complete the appropriate application & submit to your local Government Authority.
Step4- LGN will issue Decision notice.



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

Answer

A PC item is an amount of money included in a contract sum to purchase as items such as tiles, taps etc..
Example if tap is in the PC @ \$200 and the client changes mind and now want \$400 - a variation to contract is needed to cover the additional cost.



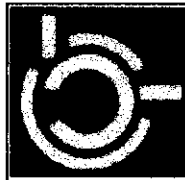
Q69. What is a provisional sum (PS) item? Give an example.

Answer

PS is an amount of money included in contract sum to cover work, not detailed when entering contract
For example = unexpected rocks/tree trunks concealed below surface that would not have been picked up on 1st check.



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



Page 1 of 2

Organized Builders Estimating Solutions

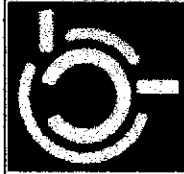
Bill Summary

7 October 2011

Web2Stem Website Template 2 storey
Organized Builders
P.O. Box 5280 Frankston South 3199
0413 770 986

Cost Centre	Amount	
01 PRELIMINARIES	\$21,239.00	5.8%
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%
01 - Prelims	\$51,128.70	14%
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%
02 - Base	\$33,849.00	9%
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%
03 - Frame	\$43,613.76	12%
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	\$1,936.70	5%
48 EXTERNAL LOCKUP CARPENTER	\$11,770.00	3.3%
04 - Lockup	\$88,142.48	24%
50A Fining Stage	\$0.00	0%

CPCCBC4012B Read and interpret plans and specifications - Theory Exam - 2011/10/07



Organized Builders Estimating Solutions
Bill Summary

7 October 2011

Web28Item 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	\$7,386.80	2.1%
58 PAINTER	\$16,075.90	4.5%
59 SHOWER SCREENS & MIRRORS	\$1,446.00	.4%
61 TOILET SUITES	\$1,500.00	.4%
05 - Fixing	\$82,151.02	23%
E1A 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	\$1,086.00	.3%
71 CARPET VINYL & 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%
06 - Completion	\$62,095.14	17%
Total	\$358,980.10	
Contingency Sum 1.0%	\$3,589.80	
Profit & Overheads 18.0%	\$64,616.58	
GST 10.0%	\$42,783.25	
Total	\$470,615.73	

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

☒	True
☐	False

☐

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

Answer

Timber Carpet & Vinyl.

☐

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

Answer

☒	True
☐	False

☐

Q73. How much does the contracted plasterer cost?

Answer

\$12,900.00

☐

Q74. How much do the kitchen appliances cost?

Answer

\$2,700.00

☐

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.

	Organized Builders Estimating Solutions A.B.N. 36089592003 info@organizedbuilders.com.au P.O. Box 5280 Frankston South 3199 0413 770 956	Page 1 of 2 7 October 2011
---	--	---------------------------------------

Purchase Order No Web2Stem/20

Delivery Date

Order Date 7/10/2011

10

TO BE ALLOCATED TO

JOB

Organized Builders
 P.O. Box 5280 Frankston South 3199
 0413 770 956

Supervisor _____ Builder _____
 Job Type _____ Two Storey

Please Supply: **FRAME TIMBER**

Reference	Description	Quantity	Units	Unit Price	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 12.7 2.9 9.3 0 22.2 4 6.3 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
	5/3.9 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

©2011 Organized Builders. All rights reserved. Program files and data are not to be distributed without the written permission of Organized Builders.

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

\$ 375.00

☐

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

Answer

13 sheets.

☐

Q80. What material has the highest total cost?

Answer

Pine 90x45 m g p l o (long lengths)

☐

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

Answer

322.5 m

☐

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

Answer

E 14.

☐

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

LABOUR		Registree Tot des tra
BUILDING WORKS		Skilled Worker
Per hour		A N
17001	Asphalter (Road Construction)	107.40
17002	Bambo Scaffold	187.20
17003	Bar Bender and Fixer	214.90
17004	Bricklayer	156.70
17005	Builders Lift Operator	
17006	Carpenter (Formwork - Building Construction)	201.10
17007	Concrete Repairer (Spalling Concrete)	185.60
17008	Concrete	194.80
17009	Construction Plant Mechanic	180.60
17010	Demolition Worker	165.60
17011	Dramlayer	156.00
17012	Floor Layer	149.20
17013	General Welder	182.00
17014	Glazier	184.80
17015	Joiner	139.20
17016	Leveller	180.20
17017	Marble Worker	179.80
17018	Mason	146.10
17019	Metal Scaffold	141.00
17020	Metal Worker	184.30
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)	168.80
17026	Plasterer	184.00
17027	Plumber	140.20

Source: 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 ☐

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

Answer ☐

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

Answer ☐

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

Answer ☐

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

Answer ☐