

## **CPCBC4029B**

# **APPLY CONSTRUCTION INFORMATION TO THE SALES PROCESS**

### **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.

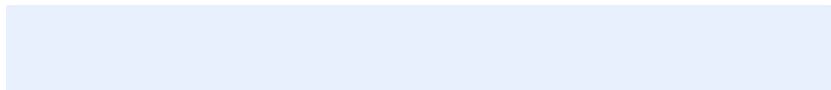
Participant name Erica Taylor

Participant signature



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

Assessor signature



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

| Number of questions | Number of questions answered correctly | Satisfactory?            |                          |
|---------------------|----------------------------------------|--------------------------|--------------------------|
|                     |                                        | Yes                      | No                       |
| 18                  |                                        | <input type="checkbox"/> | <input type="checkbox"/> |

### ASSESSOR COMMENTS

**Q1. Outline the circumstances in which a building licence must be obtained before carrying out building work in Queensland.**

**Answer** A QBCC licence must be obtained to carry out building work. The term carry out building work applies when someone is personally carrying out the work, directly or indirectly instigating the building work to be undertaken or providing admin, management, advisory or supervisory services. These licences are essential where:

- the building work is valued at over \$3300
- the building work involves hydraulic design and is valued over \$1100
- building work of ANY value if the following is involved:  
Drainage  
Plumbing & Drainage  
Gas Fitting  
Chemical Termite Management  
Fire Protection  
Completed Res Building Inspection  
Low, medium and open building design  
Site Classification



**Q2. Describe the steps involved in organising electricity supply to site. Provide approximate timeframes, assuming the site is in South East Queensland.**

**Answer** The electrical subcontractor will advise if supply is available to the address then enter into a Network Connection Agreement with a network service provider. Standard lead time for a network connection offer is within 10 business days or if supply is not available, an estimate of potential costs will be provided within 20 business days.

Once the premises is ready for connection, the Electrical Subcontractor or builder in some cases will submit an EWR to the network provider to initiate installation of the main meter. This role as of Jan 2018 is no longer with Energex and service providers can now carry out these works however lead times at present can be up to 20 business days. (I know this because I've just lived through it on our current project!!)



**Q3. Name two (2) types of approvals that may be sought for the building approval stage.**

**Answer** Full Approval  
Staged Approval

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**Q4. True or False (Tick your response): Building provision approvals are issued by the local government (e.g. Brisbane City Council).**

**Answer**

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

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**Q5. Describe the steps involved in organising water supply to site. Provide approximate timeframes, assuming the site is in South East Queensland.**

**Answer** Temp water connections, permanent supply and sewerage applications need to go through Qld Urban Utilities in Brisbane and here on the Sunshine Coast, through Unitywater. These applications although not necessarily submitted at the same time, work together with the DA process. Standard connections are usually completed within 5 days – basic residential.

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**Q6. Which section of the Building Code of Australia outlines energy efficiency performance standards?**

**Answer** Section J

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**Q7. Describe the long-term benefits of sustainable building solutions. List one (1) environmental benefit and one (1) benefit for the client.**

**Answer**

| Topics                | Definition                                                                   |
|-----------------------|------------------------------------------------------------------------------|
| Environmental benefit | Optimizing energy and water resources will decrease use of natural resources |
| Client benefit        | Lower water and power bills                                                  |

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**Q8. Match the insurance types and definitions by writing the appropriate letter next to each number in the centre column.**

**Answer**

| Insurances |                       | Answers | Definition |                                                                                                                              |
|------------|-----------------------|---------|------------|------------------------------------------------------------------------------------------------------------------------------|
| 1          | Builder's All Risk    | 1 -B    | A          | Covers personal injury or property damage.                                                                                   |
| 2          | Indemnity             | 2 -C    | B          | Covers accidental risks of physical loss or damage during construction, third party liabilities and advance loss of profits. |
| 3          | Public Liability      | 3 -A    | C          | Covers costs where a contractor has caused building errors or omissions.                                                     |
| 4          | Workers' Compensation | 4 -D    | D          | Covers death, injury or illness of employees.                                                                                |

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**Q9. True or False (Tick your response): Insurance should be taken out by the contractor prior to starting construction.**

**Answer**

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

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**Q10. Select and describe five (5) trades involved in the construction process.**

**Answer**

| Trade       | Description                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Earthworks  | Undertakes all site prep including clearing, levelling and any excavation of footings for slabs                                                                            |
| Hydraulic   | Carries out all aspects of water supply from sewerage and pipework for underslab to downpipes, HWU's and fit off of sanitary items such as toilets, taps, shower rails etc |
| Concretor   | Responsible for formwork and pouring slabs                                                                                                                                 |
| Block Layer | Carries out construction of block walls including core filling                                                                                                             |
| Electrical  | Undertakes electrical connections, running conduit underslab, installs all wiring for lights, fans, air con and fix out of light switches, fan install etc                 |



**Q11. Order the following steps from 1 to 10 to identify an appropriate construction sequence.**

**Answer**

| Step Number | Steps                            |
|-------------|----------------------------------|
| 3           | Floor frame                      |
| 5           | Windows and external door frames |
| 7           | Wall insulation                  |
| 1           | Set out                          |
| 9           | Painting                         |
| 6           | Electrical wiring                |
| 2           | Plumbing of waste pipes          |
| 8           | Internal linings                 |
| 10          | Landscaping                      |
| 4           | Wall frames                      |



**Q12. For each of the main stages of construction listed below, identify the main trades involved and an approximate duration of each stage for a standard.**

| Answer | Stage                         | Description |                                                                                                                                                  | <input type="checkbox"/> |
|--------|-------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
|        |                               |             |                                                                                                                                                  |                          |
|        | 1: Clearing of the site       | Trades      | Geotech Consultant if soil test required<br>Earthworks<br>Demolition of existing structures if required<br>Tree Lopper (if mature trees on site) |                          |
|        |                               | Duration    | Variable                                                                                                                                         |                          |
|        | 2: Slab or base stage         | Trades      | Concretor<br>Surveyor<br>Plumbing<br>Electrician<br>Termite Treatment                                                                            |                          |
|        |                               | Duration    | 1 – 2 Weeks                                                                                                                                      |                          |
|        | 3: Frame stage                | Trades      | Carpenter<br>Electrician<br>Plumber<br>Roofer                                                                                                    |                          |
|        |                               | Duration    | 3 – 4 Weeks                                                                                                                                      |                          |
|        | 4: Lockup stage               | Trades      | Carpenter<br>Electrician<br>Cabinetmaker<br>Painter                                                                                              |                          |
|        |                               | Duration    | 4 Weeks                                                                                                                                          |                          |
|        | 5: Fit-out or fixing stage    | Trades      | Fit out trades such as:<br>Plumbers<br>Electrician<br>Cabinetmaker<br>Shower Screen, Mirrors & Robes Suppliers<br>Tiler<br>Carpenter<br>Air Con  |                          |
|        |                               | Duration    | 5 - 6 Weeks                                                                                                                                      |                          |
|        | 6: Practical completion stage | Trades      | Final Painting<br>Carpet                                                                                                                         |                          |

|  |          |             |
|--|----------|-------------|
|  | Duration | 7 – 8 Weeks |
|--|----------|-------------|

**Q13. Identify five (5) factors that can affect the duration of each construction stage.**

**Answer**

- Availability of Materials
- Availability of Labour
- Inclement Weather
- Change in Conditions
- Purchaser Variations



**Q14. Describe how each of the following factors can affect construction times.**

**Answer**

| Factor                | Effect                                                                                                                                                                                                                                                |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Changed conditions    | Any change to what has originally been allowed for in a construction programme will hold up the works whilst the products, logistics etc is worked out and organised                                                                                  |
| Labour availability   | Having a carefully thought out programme will ensure trades aren't being held up by other trades and will potentially need to work on other sites and therefore not available when you DO require them.                                               |
| Material availability | Important to check lead times on all items but especially any non standard items which may be included in the build as this will delay progress                                                                                                       |
| Weather               | The weather will affect trades being able to carry out much of the works until the roof is on for internal works and anytime for externals such as render. Aside from rain, hot weather can also affect concrete pours and how the concrete goes off. |



**Q15. Describe the site establishment requirements for each of the points listed.**

**Answer**

| Requirement      | Description                                                                                                                                                                                                                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Earthworks       | Ensure they have copies of all Dial Before You Dig reports and Surveyors drawings before beginning.                                                                                                                                                                                                                                 |
| Electricity      | Engage electrician to disconnect any existing structures prior to demolition and to establish if there are any existing underground cables prior to cutting the site or any excavation works.                                                                                                                                       |
| Neighbours       | Contact neighbours in the form of a written document, outlining any works which will directly affect them such as frame deliveries etc which may require temp road closures and approx. time frames. It is also advisable to let them know of dust hazard during the earthworks phase and to keep their windows closed if possible. |
| Waste disposal   | Have designated areas for rubbish disposal and waste removal, also wash out areas for painters, plasterers and tilers.                                                                                                                                                                                                              |
| Water connection | If there are existing structures, engage a plumber to ensure water is disconnected prior to demolition                                                                                                                                                                                                                              |



**Q16. Identify the section of the *Work Health and Safety Regulations 2011* (Qld) that outlines the site establishment requirements listed.**

**Answer**

| Regulation section                                                                                          | Requirement                                                                                                        |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Part 3.2 General Workplace Management<br>Division 2: 40<br>Duty in Relation to general workplace Facilities | The layout of the work area must allow for persons to enter, exit and move about without risk to health and safety |



|                                                                                                                                                 |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part 3.2 General Workplace Management<br>Division 2: 41<br>Duty to provide and maintain adequate and accessible facilities                      | Adequate facilities must be provided for workers, including toilets, drinking water, washing facilities and eating facilities.                                          |
| Part 6.4<br>Additional Duties of principal Contractor<br>Division 2: 308<br>Specific Control measure – signage identifying principal contractor | A principal contractor for a construction project must install signs outside the work area that shows their name and telephone contact numbers and site office address. |

**Q17. True or False (Tick your response): The owner is able to access the site at any time.**

**Answer**

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

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**Q18. Which of the following parties should the client contact to access the site? Tick all that apply.**

**Answer**

| Choice                              | Possible Answers                                |
|-------------------------------------|-------------------------------------------------|
| <input checked="" type="checkbox"/> | Contractor                                      |
| <input type="checkbox"/>            | Local Government                                |
| <input type="checkbox"/>            | Queensland Building and Construction Commission |
| <input type="checkbox"/>            | Subcontractors                                  |

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