SCAFFOLDING BASIC LEARNER WORKBOOK

LLN READY

CPCCLSF2001
Licence to erect, alter and dismantle scaffolding basic level

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Element 1

Plan Job

Performance Criteria: 1.1

Review task instructions

Before you set up a scaffold, ask about any site rules, procedures (things you should do) and policies that may affect your task.

Theory Training Task 1

Performance Criteria: 1.1, 1.2, 1.4

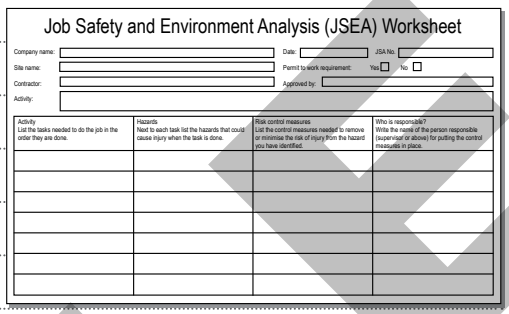
a) Name three people you may need to check with about the hazards and working on a site.

b) What local site conditions would you check when you assess your task?

Theory Training Task 2

Performance Criteria: 1.1

a) What is a Job Safety and Environment Analysis (JSEA) used for?



Job Safety and Environment Analysis (JSEA) Worksheet

Company name: Date: JSA No.

Site name: Permit to work requirement: Yes ☐ No ☐

Contractor: Approved by:

Activity:

Activity List the tasks needed to do the job in the order they are done.	Hazards Next to each task list the hazards that could cause injury when the task is done.	Risk control measures List the control measures needed to remove or minimise the risk of injury from the hazard you have identified.	Who is responsible? Write the name of the person responsible (supervisor or above) for putting the control measures in place.

b) What is the name of a similar form that might be used instead of a JSEA?

Theory Training Task 3

Performance Criteria: 1.1, 1.2

A high risk licence for basic scaffolding allows you to do some types of scaffolding.

Are the following statements true or false? Circle the answer.

A person with a basic scaffolding licence can use modular or prefabricated scaffolds including mobile frame, tower frame and modular birdcage.

True or **False**

A person with a basic scaffolding licence can use a cantilevered hoist with a working load limit not exceeding 500 kg (materials only).

True or **False**

A person with a basic scaffolding licence can erect a mast climber.

True or **False**

A person with a basic scaffolding licence can use tube and coupler scaffold.

True or **False**

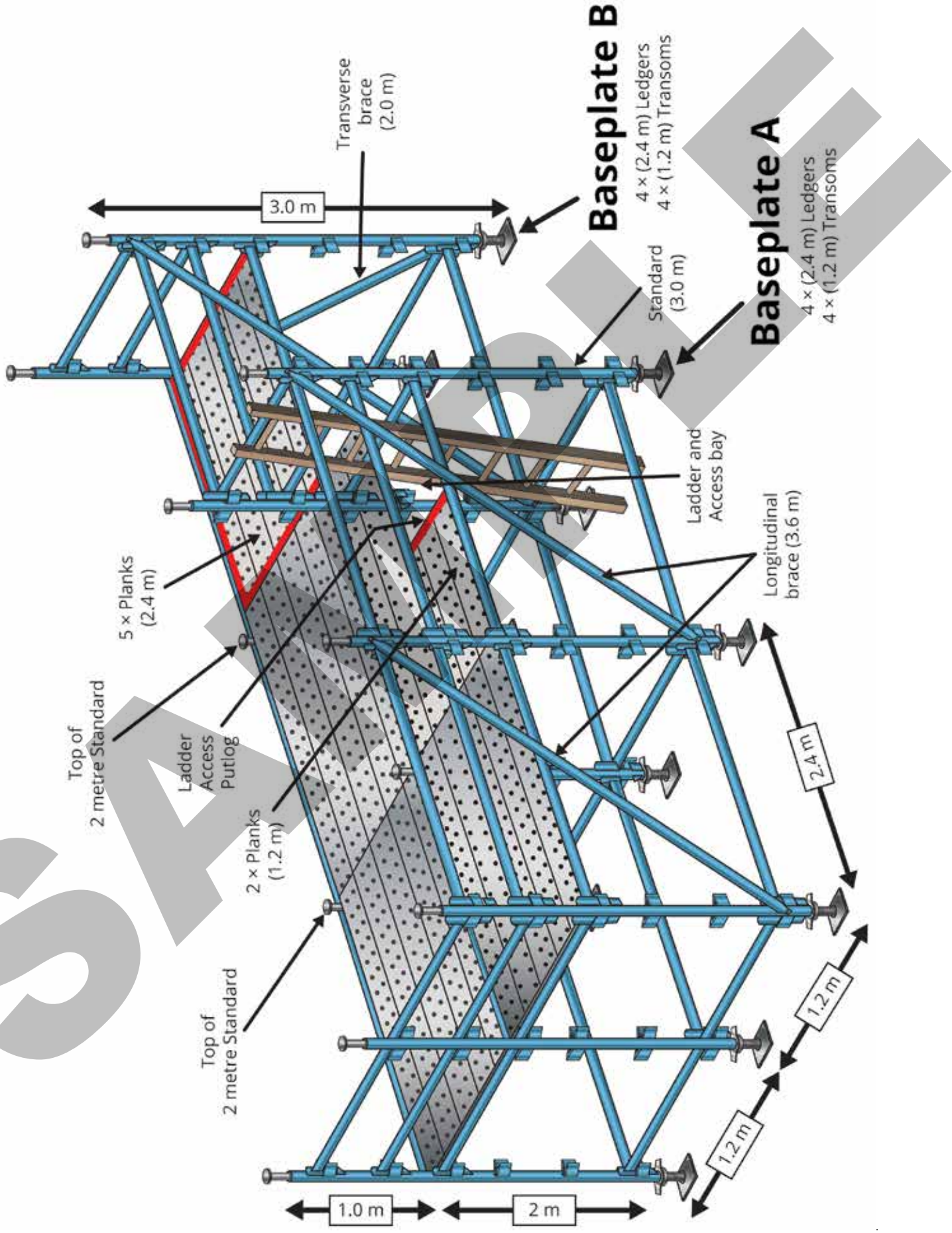
A person with a basic scaffolding licence can use bracket scaffolds (tank and formwork).

True or **False**

PC 1.7 – Theory Training Task 20 (continued)

Modular scaffold drawing

Use this drawing for the following questions.



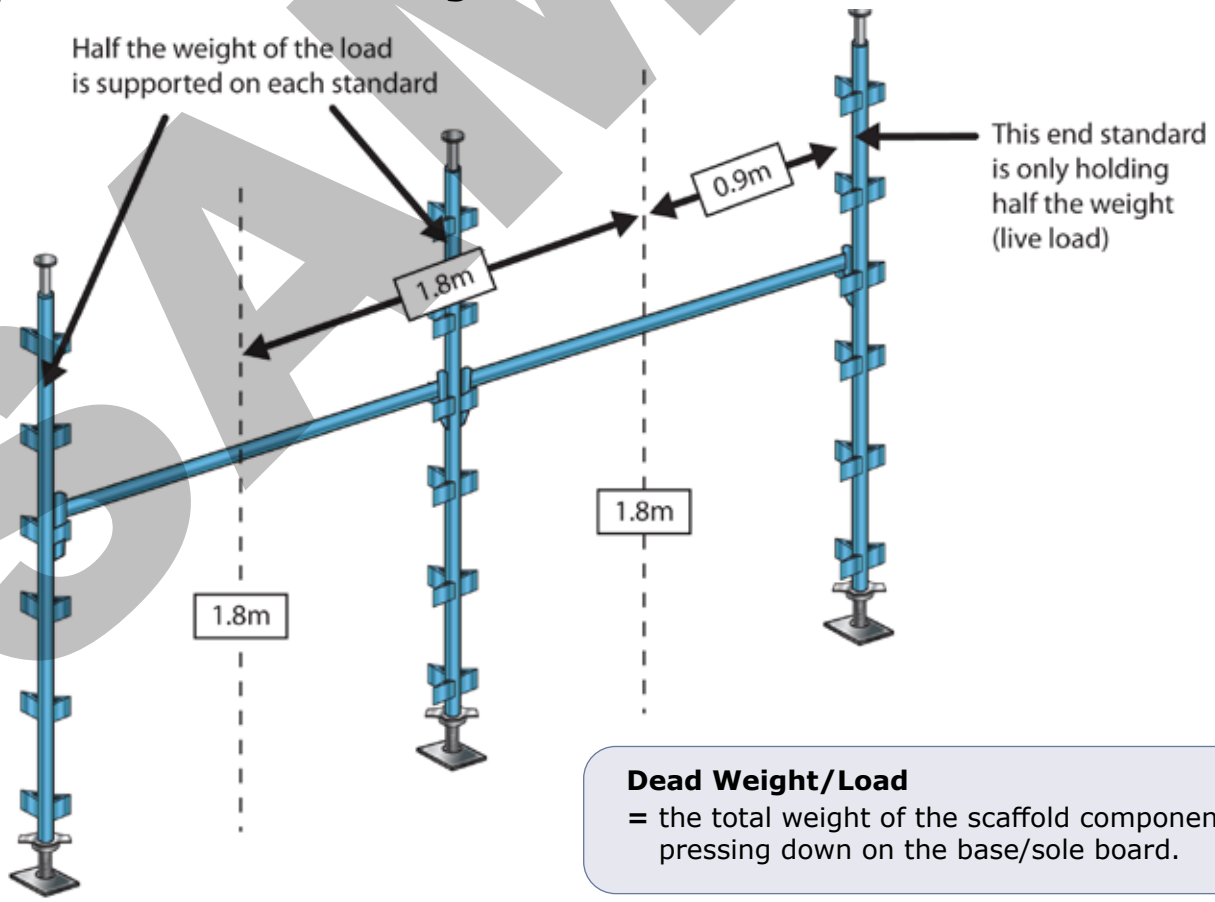
PC 1.7 – Theory Training Task 20 (continued)

i) What is the total weight of the equipment needed to build this scaffold? Write your answers in the Sub Total Weight column of this table.

Bill's Scaffolding Pty Ltd Modular scaffolding equipment list

Component	Length	Quantity		Weight	Sub Total Weight
Standard	3.0 m	8	×	18 kg =	
Standard	2.0 m	3	×	12 kg =	
Transom	1.2 m	22	×	9 kg =	
Ledger/guardrail	2.4 m	22	×	10 kg =	
Traverse brace (1.2 m bay)	2.0 m	3	×	9 kg =	
Longitudinal brace (2.4 m bay)	2.7 m	3	×	12 kg =	
Captive plank (225 mm)	2.4 m	23	×	13 kg =	
Captive plank (225 mm)	0.7 m	2	×	5 kg =	
Ladder access putlog	1.2 m	1	×	8 kg =	
Adjustable base plate	750 mm	11	×	8 kg =	
Ladder	4.0 m	1	×	20 kg =	
				Total Weight =	

Explanation of dead weight/load



Dead Weight/Load
= the total weight of the scaffold components pressing down on the base/sole board.

Element 2

Select and Inspect Plant and Equipment

Performance Criteria: 2.1

Select and inspect scaffolding equipment

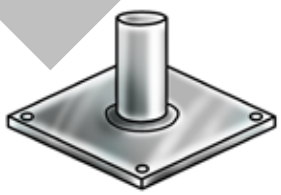
Scaffold, associated equipment and scaffold equipment are selected and inspected according to procedures and site information. When you start a job, you need to select and inspect the equipment to suit your needs.

Theory Training Task 25

Performance Criteria: 2.1, 2.3

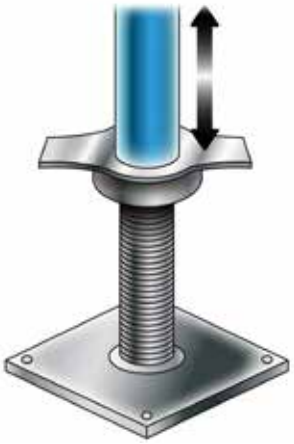
It is essential that the equipment you use meets all regulatory requirements and is the most appropriate for the job you are to do.

a) What is the minimum width and thickness of a base plate?



b) How far should the spindle of an adjustable base plate extend above the maximum nut extension?

c) What is the maximum extension on an adjustable plate?



d) What is the maximum load allowed on an adjustable base plate?

e) What is the minimum width of timber used as a sole plate?

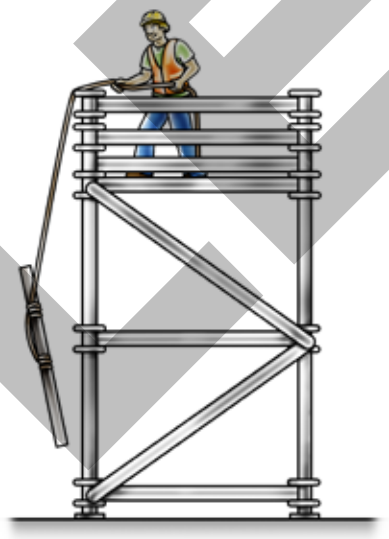
f) What is the usual width of a scaffold plank?

g) What is the minimum thickness of a solid timber scaffold plank?

Theory Training Task 26

Performance Criteria: 2.1, 2.3

a) Why should you use the same thickness planks to deck a working platform?



b) Would you use a gin wheel with no rope guides?

c) What is the minimum diameter of fibre rope you would use for a gin wheel?

d) What is the minimum diameter of natural fibre rope you would use for a handline?

Theory Training Task 27

Performance Criteria: 2.1, 2.3

What type of ladder do you use to enter a scaffold? (Tick your answer.)

- ☐ A domestic grade ladder
- ☐ Industrial grade single stage ladder
- ☐ A stepladder
- ☐ An extension ladder

Element 3

Set Up Task

Performance Criteria: 3.3

Check ground conditions

Before you set up the scaffold, check the ground will support a scaffold.

Theory Training Task 41

Performance Criteria: 3.3

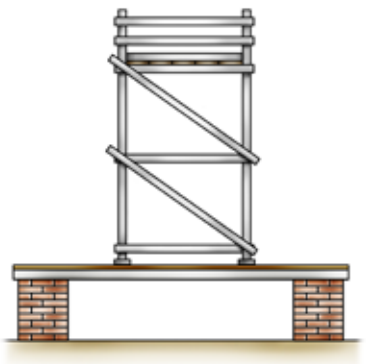
Are the following ground conditions safe for you to set up scaffolding or do you think they need more checking to make sure they are stable? (Circle your answer.)

Soft clay	**Safe**	**Needs more checking**
Stiff clay	**Safe**	**Needs more checking**
Dry sand	**Safe**	**Needs more checking**
Granite	**Safe**	**Needs more checking**
Shale	**Safe**	**Needs more checking**
Gravel (road base)	**Safe**	**Needs more checking**

Theory Training Task 42

Performance Criteria: 3.3

You may set up a scaffold on a suspended floor or temporary formwork. What sorts of questions would you ask yourself?



Practical Training Task 4

Performance Criteria 3.2, 4.1

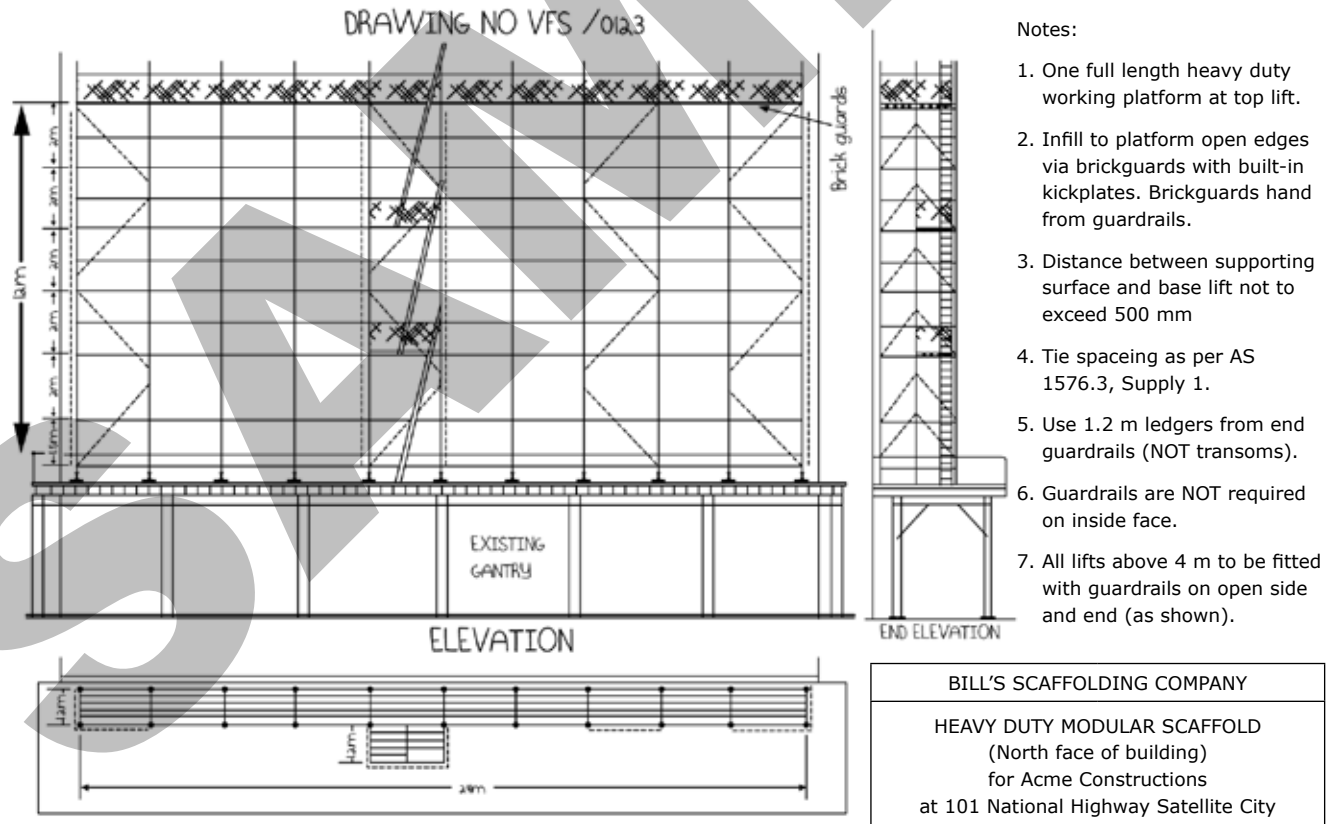
On drawing No VFS/0123 mark with crosses the maximum positions at which you would fix the scaffold's ties.

PLAN BRACING and LEDGER BRACING is **NOT** to be used on this scaffold.

This activity will check your ability to apply the rules for tie spacings.

Your drawing must show at least four of the following five features:

1. A total of 12 tie positions are marked on the elevation.
2. Each tie position is marked close to a ledger/standard node point (node point = where ledger and transom meet the standard).
3. There are three tie positions marked in each end bay (at the first or second pair of standards).
4. The horizontal distance between adjacent tie positions does not exceed 7.2 m (three bays).
5. The vertical distance between the supporting surface and the first level of ties, and the vertical distance between each of the ties does not exceed 4 metres (two lifts).



Notes:

1. One full length heavy duty working platform at top lift.
2. Infill to platform open edges via brickguards with built-in kickplates. Brickguards hand from guardrails.
3. Distance between supporting surface and base lift not to exceed 500 mm
4. Tie spaceing as per AS 1576.3, Supply 1.
5. Use 1.2 m ledgers from end guardrails (NOT transoms).
6. Guardrails are NOT required on inside face.
7. All lifts above 4 m to be fitted with guardrails on open side and end (as shown).

BILL'S SCAFFOLDING COMPANY	
HEAVY DUTY MODULAR SCAFFOLD (North face of building) for Acme Constructions at 101 National Highway Satellite City	
Drawing Number VFS/0123	
Drawn by:	Checked by: