



## Erection and dismantling procedures for Mobile or Tower

### Scaffold specifications for 0.700m wide Ali-Scaff

- ALI SCAFF is a “Light Duty” scaffold with a Uniformly Distributed Load (UDL) of **225kg’s** and **MUST NOT** be exceeded.
- **All 0.7m wide scaffolds are intended for low level light duty use only** or erected in such a way as to give them stability i.e. in an alleyway between 2 buildings with no chance of toppling.
- **ALL scaffolds MUST NOT BE HIGHER THAN 5 METRES from the ground or supporting structure to the TOPMOST GUARDRAIL of the working platform.**
- The height of the top working platform must be **no more than TWO times the minimum base dimension of the structure for scaffolds UNDER 1.8 METRES** in height.
- The height of the top working platform must be **no more than THREE times the minimum base dimension of the structure for scaffolds OVER 1.8 METRES** in height.
- **ALL SCAFFOLDS EXCEEDING 5 METRES TO THE TOPMOST GUARDRAIL OF THE WORKING PLATFORM MUST BE ERECTED, ALTERED AND MAINTAINED BY PERSON HOLDING A CERTIFICATE OF COMPETENCE IN SCAFFOLDING.**
- The manufacturer recommends that scaffold erectors & users adopt the use of installing an Outrigger at each corner for low level scaffolds to maintain stability when basing out the scaffold. The recommended placement of Outriggers are displayed in this procedure.
- There must be a **hatch platform within 3 metres of ground level** to prevent deforming of the scaffold.
- If **not using Guardrail Frames** and using an End Frame instead **place three yellow ledgers on three transom levels** to achieve minimum legal guardrail requirements.
- Erectors **MUST** use hatch decks on 0.700m wide for safe access within the scaffold structure and **NOT** climb the outside of the scaffold to gain access to the working platform.
- Ladders should protrude through the Access Deck hatch as depicted in the pictures.
- Never use damaged equipment. Either repair immediately, delete from service or scrap.
- Scaffolds **MUST** have guardrails, midrails and toeboards on **ALL** working platforms.
- Ensure that the Mobile or Tower is suitable for its intended use.
- Ensure that the mobile is re-levelled when moved to a new position.
- Mobiles or Towers **MUST** be erected as per these procedures. Not erecting the scaffold to these procedures could lead to the Scaffold Erector being liable to prosecution by WorkSafe NZ for non-compliance with manufacturer’s instructions.

### Mobile Profiles:-

1.8 - 2m Mobile – 1.2m End Frame + Guardrail Frame with One Platform – use Hinged Access Deck.

1.95 - 2.15m Mobile – 1.6m End Frame + Guardrail Frame with One Platform

2.3 – 2.5m Mobile – 2m End Frame + Guardrail Frame with One Platform

2.7 – 2.9m Mobile – 1.6m + 0.8m End Frames + Guardrail Frame with One Platform

3.1 – 3.3m Mobile – 2m + 0.8m End Frames + Guardrail Frame with One Platform

3.5 – 3.9m Mobile – 2m + 1.2m End Frame + Guardrail Frame with One or Two Platforms

Note: Anything higher than the 3.9m Mobile may have the topmost guardrail over 5 metres from the ground so caution **MUST** be taken to ensure this does not occur.

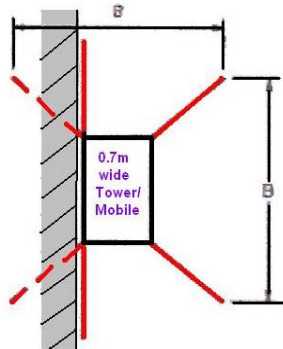
**ALL SCAFFOLDS WITH THE GUARDRAILS OVER 5 METRES MUST BE ERECTED BY A CERTIFIED SCAFFOLDER.**

## Erection of 0.7m Mobile/Tower:

The following is the recommended placement of outriggers on a 0.700m wide Ali Scaff Mobile/Tower regardless of Height. Outrigger are depicted in red.

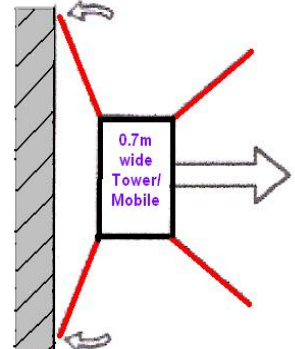
1

It is recommended that when a Mobile/Tower is to be used up against a wall or structure that the User places Outriggers at each corner as shown in diagram.



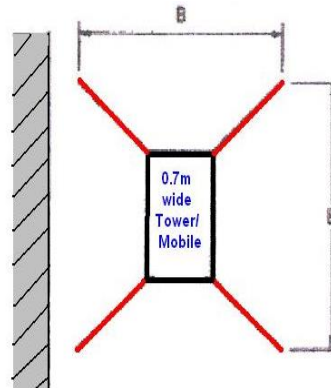
2

If the Mobile Tower is moved away from the wall or structure the inboard Outriggers should be progressively moved towards the wall.



3

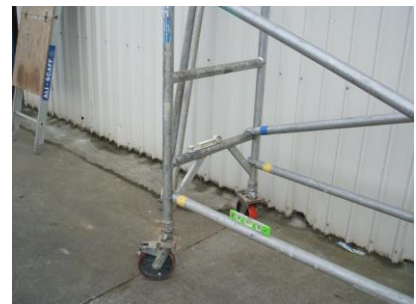
If the Mobile/Tower is free-standing then the Outriggers should be splayed out from the scaffold as shown. For higher scaffolds the Outriggers can be placed lower on the Mobile/Tower to achieve a wider base. This will be displayed further on in this Procedure.



Lay out the required equipment for the base of the mobile in a safe area. Tower scaffold (no castors) need to be erected in the position that it is to be used.



Install baseplates/jacks/castors into ends of End Frames and stand upright. Engage brakes on castors wheels. Attach yellows in position depicted in picture from one frame to the other. Ensure that the yellows are connected to the standard and not the transom.



Install blues from bottom transom to the third transom opposite for each side. This type of ALI SCAFF has **NO** Plan Brace (Red). A Working Platform **must be positioned equal to or less than 3m** from supporting structure. Level all sides and adjust with screwjacks on Basejacks and Castors.

**NOTE:** No Plan Brace (Red) for the 0.7m wide ALI SCAFF therefore a hatch deck **MUST** be installed within 3 metres of the base.

## Erection of 0.7m Mobile/Tower:



Recommend that scaffold erectors work within the scaffold structure and be protected from falls by progressively installing temporary platforms & guardrails as scaffold is erected and dismantled.



Outriggers should be installed as soon as possible to increase stability as depicted in figure 3 on page 2 when the scaffold is freestanding with no nearby structure for support.



Outriggers are installed at each corner of the scaffold when the scaffold is up against a wall or structure as depicted in figures 1 & 2 on page 2.



Above is an example of a low-level mobile with a platform at 1.1 metre level.  
NOTE: 3 x guardrails attached to the sides when a Guardrail Frame is **NOT** used.



The above scaffold displays the working platform using a Guardrail Frame and toeboards with the ladder protruding through the access deck. Outriggers are required at each corner of the scaffold as depicted in figures 1, 2 & 3.



The above picture depicts the use of 2 x 2 metre End Frames with a Guardrail on top. The top guardrail is over 5 metres so if the Scaffold Erector is **NOT** a certified scaffolder he **CAN NOT** erect this mobile.

Below are examples of the placement of Outriggers onto the End Frame.



## Ali Scaff 0.700m Wide Component Identification Sheet

