

# ALUSCAFF ALUMINIUM SCAFFOLDING



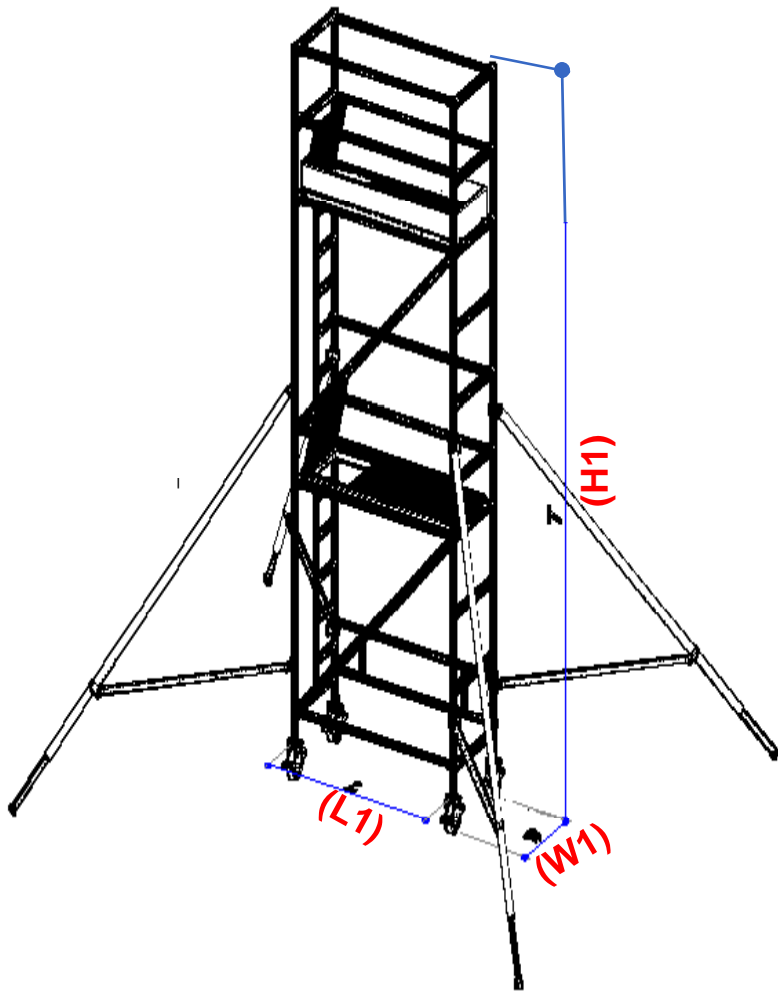
DOUBLE WIDTH  
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ALUMINIUM COMPANY EXTRUSION INDONESIA




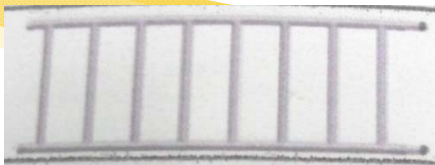

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# 1. TYPE & MODELS



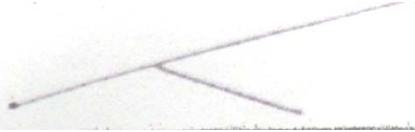
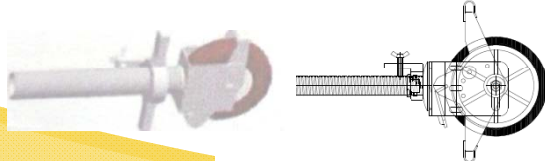
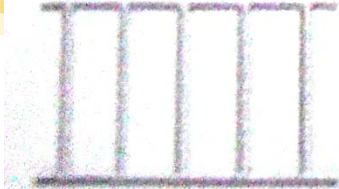


Type	Length (L1)	Width (W1)	Height (H1)
S1F-0114-01-MF	1870	750	2500
D1F-0114-02-MF	1870	1350	2500
S2F-0114-03-MF	1870	750	5380
D2F-0114-04-MF	1870	1350	5380
S3F-0114-05-MF	1870	750	7470
D3F-0114-06-MF	1870	1350	7470
S4F-0114-07-MF	1870	750	9550
D4F-0114-08-MF	1870	1350	9550
S5F-0114-09-MF	1870	750	11630
D5F-0114-10-MF	1870	1350	11630

## 2, COMPONENT DESCRIPTION


























ITEM	PICTURE	NAME	USAGE	DIMENSION ( mm )
1.		Horizontal Braze	To connect level rungs of frame in both sides	1750
2		Diagonal Brace	To connect lower frame with the opposite upper frames	2400
3		Interlock clip	To lock lower frames and upper frame	-
4		8 rung frame	To increase the height of scaffolding	2080 x 750
5		Trapdoor Platform	The access of scaffolding erection and the final working area	1830 x 600

### 3, COMPONENT DESCRIPTION

ITEM	PICTURE	NAME	USAGE	DIMENSION ( mm )
6		Base frame fence	To fix base frame at the beginning of scaffolding erection	-
7		Guardrail Frame	The protection of users at final level	930 x 750
8		Telescopic	To increase stability of scaffolding	-
9		Adjustable	To level scaffolding after moving or erection	-
10		Base Frame	To consist base section by assembling Adjustable leg	1300 x 750

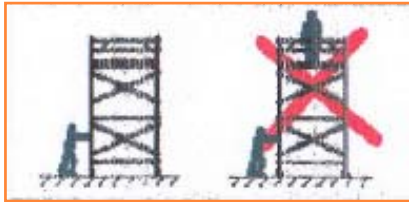
# 4, SPECIFICATION

## PART ITEM

SHAPE	APPLICATION	FINISH	ALLOY				
	FRAME	Mill Finish	6061-T6		FRAME FLOOR		
	CONNECTING FRAME				FRAME FLOOR		
	ADJUSTER				STOPPER DECK FRAME		
	FRAME STABILIZER				LOCKING		
	HINGE				HINGE		
	HINGE				LOCKING		
	HINGE				INTERLOCK		
	STOPER				PLATFORM		
	LOCKING				SIDE BOARD		
	SHOCKET				FRONT BOARD		
	BRACKET HING				Frame platform		
	CLAMP				Tangga		
					Tangga		



## 5, SAFETY RULES



Do not move *Alcomexindo Aluminium Scaffolding* when there are persons or loose materials on the platform:



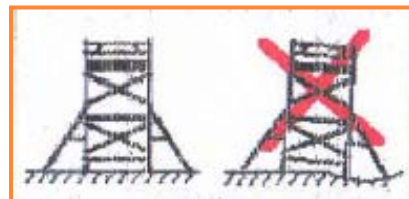
Do not attach hoists or similar devices to *Alcomexindo Aluminium Scaffolding* to lift loads:



Never use damaged or in correct components :



Brake all castors by pushing down the brake lever :



Only erect a *Alcomexindo Aluminium Scaffolding* on level ground with an adequate soil bearing capacity:

## 6, SAFETY RULES



Never use a *Alcomexindo Aluminium Scaffolding* as staircase to climb from a *Alcomexindo Aluminium Scaffolding* onto other constructions

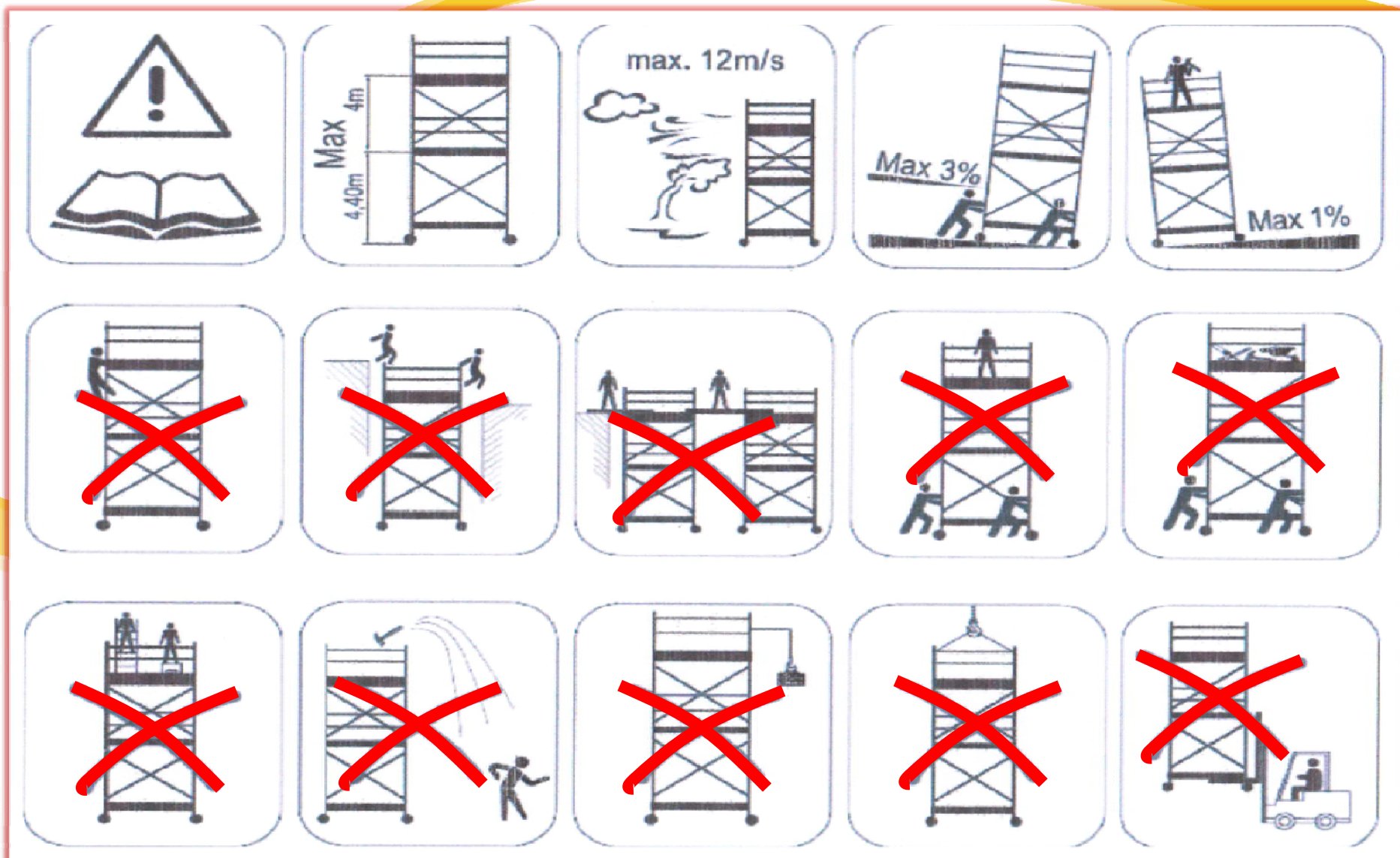


When the wind force is 6 and above, moves *Alcomexindo Aluminium Scaffolding* to a wind sheltered area or secure against tipping over by anchoring it :



Climb onto *Alcomexindo Aluminium Scaffolding* only from the inside:

# 7, SAFETY RULES (SYMBOLS SAFETY)



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## 8, SPECIAL SAFETY RULES – 1



### A) Erection

- Check that all components are on site and that they are functioning correctly. Check if the ground on which the mobile access tower system is to be erected and moved is fairly level, even and capable of supporting the tower system.
- Alcomexindo Aluminium Scaffolding* must always be climbed from the inside during erection.
- Adjustable legs should only be used for leveling.

### B) Lifting of equipment

- Alcomexindo Aluminium Scaffolding* components should be firmly secured by reliable lifting material (e.g. rope), employing a reliable knot (e.g. clove hitch), to ensure safe fastening.

### C) Movement

- Before moving *Alcomexindo Aluminium Scaffolding*, beware of soft or uneven ground, rains or pots, holes and overhead obstruction, especially power cables. The ground shall be level, hard and generally level enough.
- Alcomexindo Aluminium Scaffolding* should only be moved by manual effort! Do not move *Alcomexindo Aluminium Scaffolding* vehicles (e.g. lift trucks). Do not lift, pull or push the scaffold with a lift truck. Immediately after moving, brake all castors by pushing down the brake lever, then check whether the scaffold is upright and stable or not.
- No personnel or material is allowed on *Alcomexindo Aluminium Scaffolding* during movement.
- Caution should be exercised when moving a *Alcomexindo Aluminium Scaffolding* over rough, uneven or sloping ground, clear ground obstruction which is over 12mm above the ground.
- Ensure the brakes are unapplied during movement in order that the caster can be rolling with no break.
- Inspect the circumstance, ensure there is no factor which will effect the movement of the scaffold.

## 9, SPECIAL SAFETY RULES – 2



- Do not roll the scaffold at running speed. Just walk slowly.
- Remember to lock all brakes and tighten the stabilizers against the ground after the scaffold is relocated.

### d) During use, be aware of the effect of wind.

Beware of high winds in exposed, gusty or medium breeze conditions. We recommend that in wind speeds over 7.7 meters per second (17 m.p.h), cease working on the tower system. If the wind becomes a strong breeze, expected to reach 11.3 meters per second (25 m.p.h), tie the tower to a rigid structure. If the wind is likely to reach gale force, over 18 meters per second (40.7 m.p.h), the tower should be dismantled.

BEAUFORT WIND SCALE			
FORCE	WIND DESCRIPTION	SPEED IN km/h	GENERAL EFFECT
4	Moderate Breeze	13-18	Small branches move. Dust, leaves & paper raised.
5	Fresh Breeze	19-24	Small trees sway.
6	Strong Breeze	25-31	Small branches move. Telephone wire Whistle
7	Moderate Gale	32-38	Large trees sway. Walking becomes Difficult.
8	Gale Force	39-46	Twigs & small Branches broken from trees . Walking is difficult.

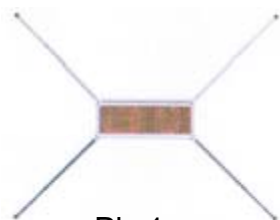
## 10, SPECIAL SAFETY RULES – 3

- ❑ Debris netting or plastic sheeting should not be fixed to *Alcomexindo Aluminium Scaffolding* without consulting your local branch.
- ❑ Do not abuse equipment. Damaged or incorrect components should never be used.
- ❑ Raising and lowering components, tools, and/or materials by rope should be conducted within the tower base. Ensure that the safe working load of the supporting decks and the tower structure is not exceeded.
- ❑ *Alcomexindo Aluminium Scaffolding* is a working platform and should not be used as a means of access to other structures.
- ❑ Beware of horizontal forces (e.g. power tools) which could generate instability. Maximum horizontal force 20Kg.
- ❑ *Alcomexindo Aluminium Scaffolding* are not designed to be lifted or suspended-please refer to your supplier for advice.

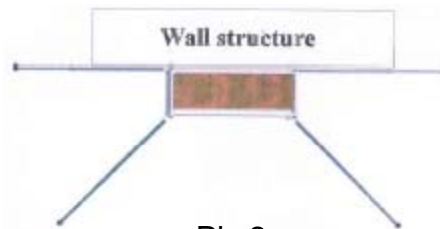
### e) Stabilizers / Ballast

- ❑ Stabilizers shall always be fitted where specified. These increase the effective base area of the tower and increase its stability as a free standing structure. Best effect is obtained from the stabilizers when they are arranged in a footprint as a square. (See Pic.1)

When using tower against a strong wall they may be positioned as Pic.2, but the wall must be at least 2/3 of the height of the top working platform. Tower to be left unattended in exposed positions should be tied to a secure structure or alternatively dismantled.



Pic 1



Pic 2

# 11, SPECIAL SAFETY RULES – 4



- ❑ Ballast is used at the base to stabilize towers against overturning. In circumstances where there is restricted ground clearance for stabilizers. Contact your supplier for advice. It shall be securely positioned and made of rigid materials such as steel or concrete, but excluding liquids or granular materials (i.e. not water or loose sand). It shall not be positioned to overload individual legs. Ballast should be secured against accidental removal where practicable, and be supported on the lowest rung of the bottom frame.
- ❑ Remove all erection aids (e.g. system planking, *Alcomexindo Aluminium Scaffolding* plank, etc) from the *Alexindo Aluminium Scaffolding* not belonging to the model type.
- ❑ CAUTION after erection, the *Alcomexindo Aluminium Scaffolding* can be moved to the proposed site of use (ground gradient must not exceed 3%). Carry out the following work steps to move the scaffold tower system.
- ❑ To move the scaffold tower system, disengage the brake level and move the *Alcomexindo Aluminium Scaffolding* the desired location, observing the “Safety Rules” in section 2
- ❑ After reaching the site : brake the castors by depressing the brake level, Adjust the castors, if required, until the mobile scaffold tower system is standing level and the castors have ground contact,

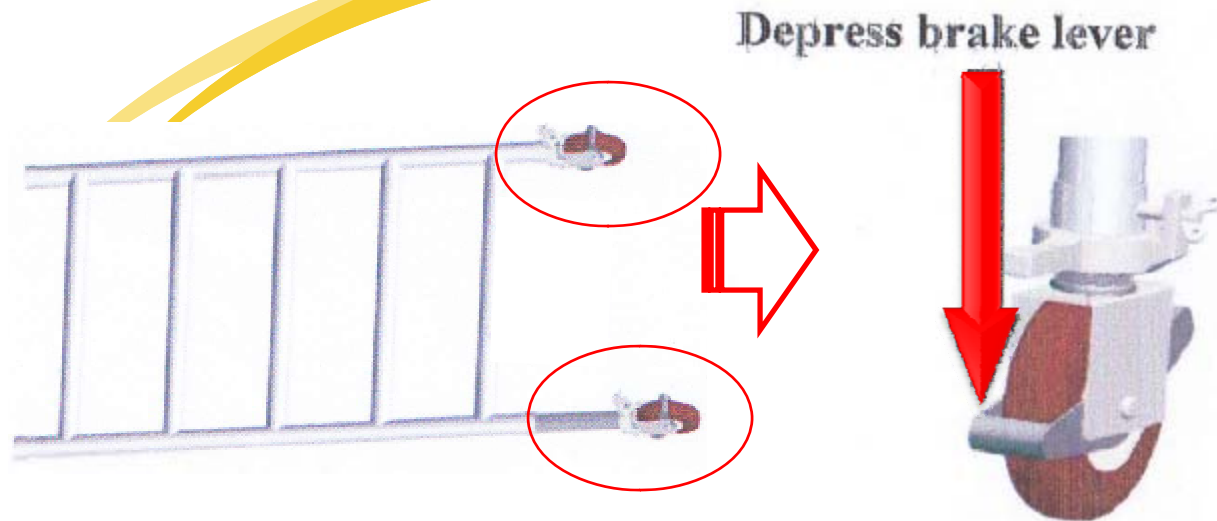
***This mobile scaffold tower system shall be erected by at least 2 competent persons.***

1. Insert the four adjustable legs into the vertical tubes of two base frame ( one of base frame has a U-shape extension rung). Make the legs and vertical tube have a firm connection by fastening the V-shape bolt. Turn the assembled base unit upside down so that the wheels can contact ground. Lock the brakes on four castors. (see magnified view)





## 12, SPECIAL SAFETY RULES – 5



### 5. Erection Instructions

#### 5.1 General

CAUTION the erection of a *Alcomexindo Aluminium Scaffolding* may only proceed when the **SAFETY RULES** in section 2 have been read and understood completely.

**The following instructions are general instructions and apply for the mobile scaffold tower system.**

- 1) *Alcomexindo Aluminium Scaffolding* can be erected as a centered erection.
- 2) Horizontal and diagonal braces are fastened by means of snap locks which engage during erection and which are secured against an inadvertent release. The snap locks are opened by pressing the catch against the force of the spring.
- 3) Make sure that the diagonal braces always engage next to the crossbars of the push-on frames from above.
- 4) At least two persons are required for the erection and dismantling of the.

# 13, SPECIAL SAFETY RULES – 6

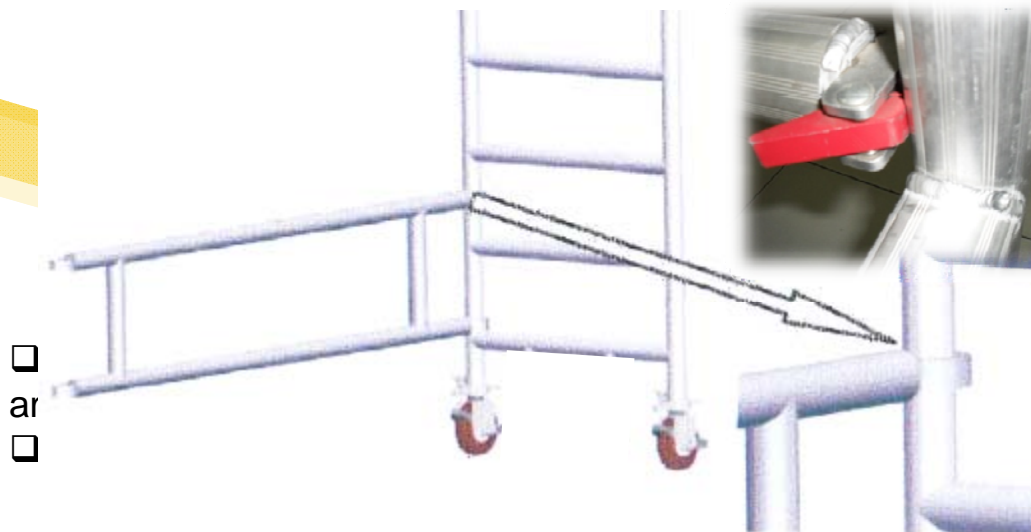


**CAUTION** Always read the relevant user instruction completely before beginning the erection and only then carry out the erection procedures step by step.

## 5.2 Basic Erection

### PRELIMINARY WORK.

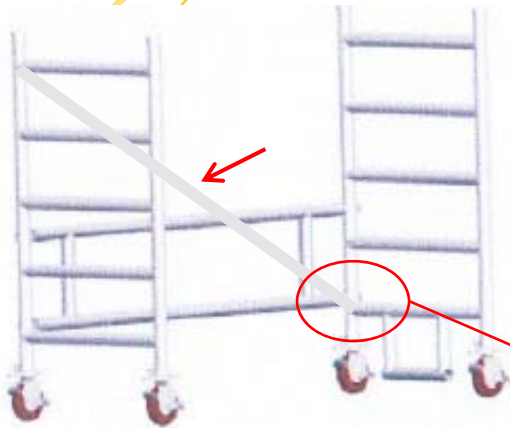
- Unpack all of the parts of the *Alcomexindo Aluminium Scaffolding* to be erected and dispose of the packaging material according to regulations. Check that all parts of the *Alcomexindo Aluminium Scaffolding* are present according to section 5.
- Read the erection instruction.
- **WARNING** : never work from or build, or dismantle the tower system from an unguarded platform.
- Before finishing work, check that all push-on connections are secured with the proper rung and all spring interlock clips are engaged correctly.



2. Fit base frame fixed into the base frame  
Ensure the hook face outside of the base frame.( See magnified view )

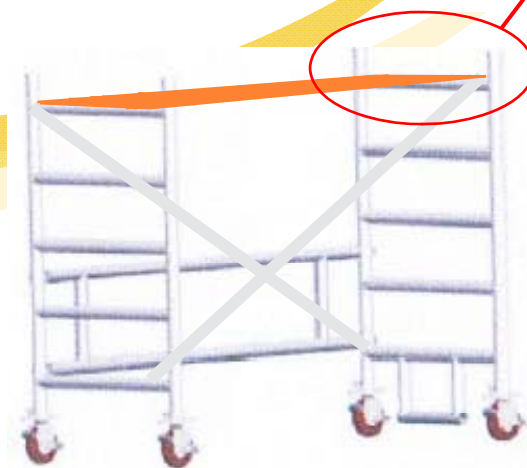
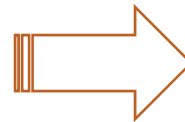
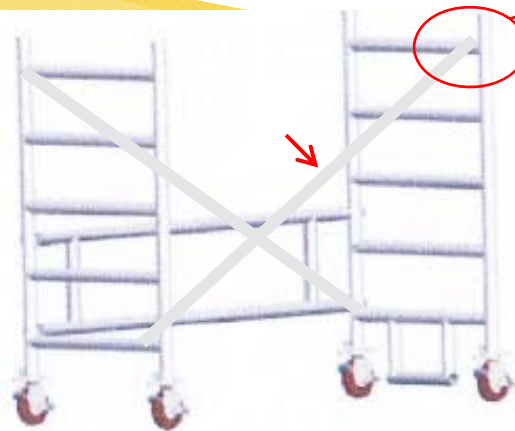
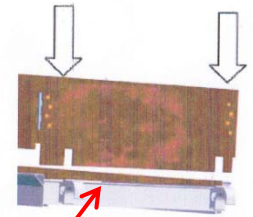
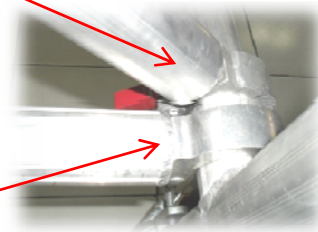
# 14, BASIC ERECTION (1)

3. Fit the opposite base frame with the frame fixer. Finish the base section assembly.

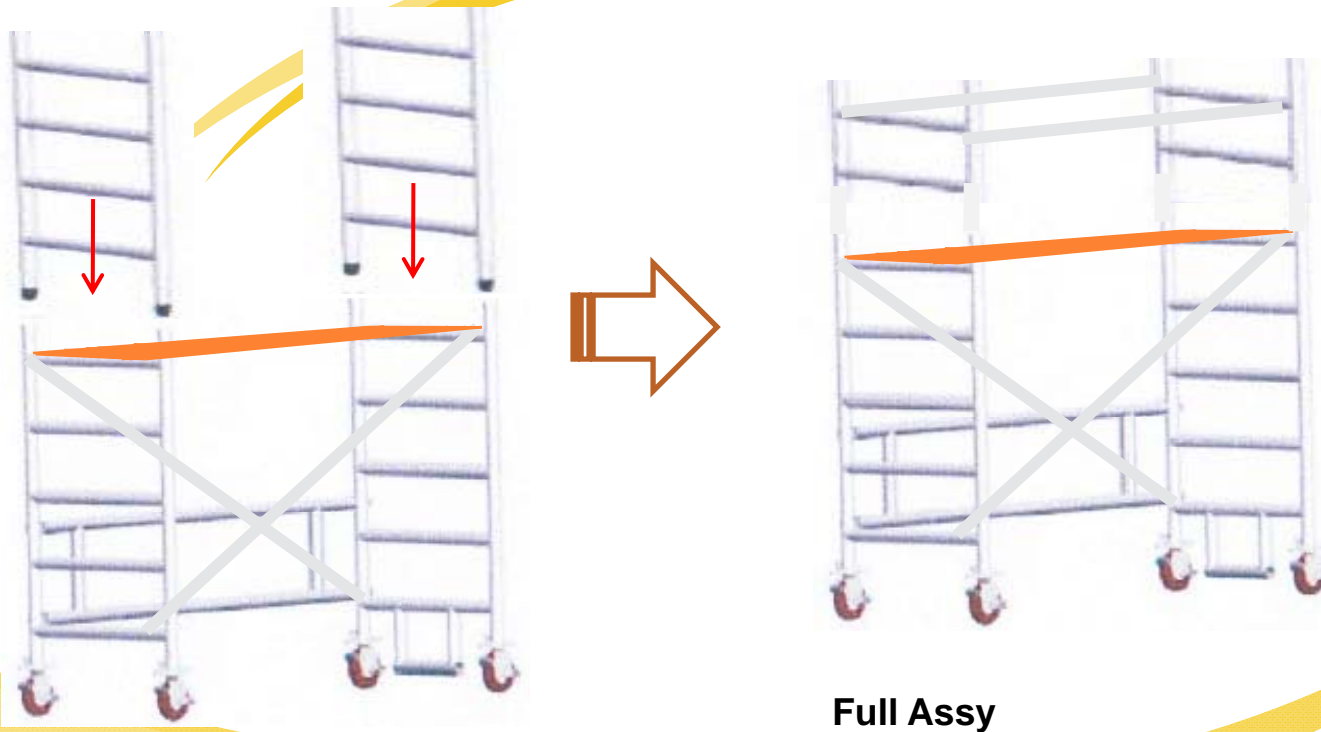


4. Fit a horizontal brace onto the rungs of base section. Then insert a 8 rung frame into the vertical tube of base section. (always make sure braces are fully locked in position)

Detail for all Locking



## 15, BASIC ERECTION (2)



**WARNING :** Never work from or build, or dismantle the tower system an unguarded platform.

DISMANTLING

NOTE the dismantling of the *Alcomexindo Aluminium Scaffolding* is in the reverse order of erection.



## 16, CARE, MAINTENANCE AND STORAGE – 1



Repair of scaffold material is only allowed after consultation with the manufacture or supplier.

### ❖ ***Cleaning the mobile scaffold tower components***

✓ The scaffold tower system can be cleaned using water with a commercial cleaner added. Paint can be removed

ATTENTION : Cleaning agents must not get into the ground, used cleaning fluids must be disposed of in accordance with applicable environmental legislation.

### ❖ ***Inspecting the mobile scaffold tower components***

Frame (base frame/8 rung frame/ guardrail frame)

✓ Inspect for deformation, crushing and cracks; if a deficiency is discovered, do not use the frame.

Braces (diagonal/horizontal)

✓ Inspect for deformation, crushing and cracks; if a deficiency is discovered, do not use the brace.

Platform

✓ Inspect for deformation, crushing and cracks; if a deficiency is discovered, do not use the platform .

Check the hatch for ease of movement. Toe boards

✓ Inspect the toe boards for check; if a deficiency is discovered, do not use the toe board. Castors

✓ Check that the castors rotate and the brake is functioning.

## 17, CARE, MAINTENANCE AND STORAGE -2



### ❖ **Lubrication of moving part**

✓ Lubricate all moving part ( Castrol bearing, interlock clips) with a commercial oil. Use a thin oil in winter. ATTENTION Wipe off any excessive oil. The oil must not get on the walking areas – danger of slipping, Dispose of oil-soaked cleaning cloths in accordance with valid environmental legislation.

### ❖ **Storage**

✓ The scaffold tower system components must be stored in such a way that they are not damaged.

✓ During Storage, the scaffold tower components must be protected against the effects of weather. Store them lying down if at all possible.

✓ During transport to or from the place of storage. The scaffold tower system components must be secured against sliding, impacting and falling off. Do not throw scaffold tower system components during handling.