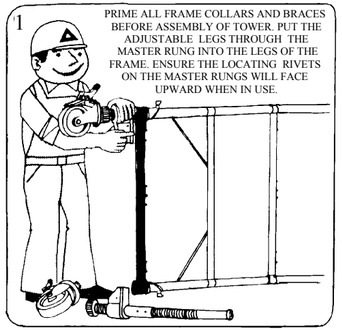
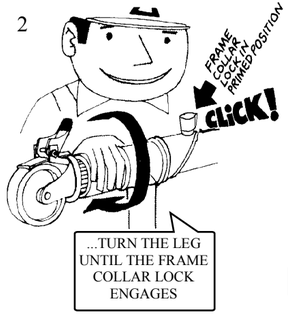
1



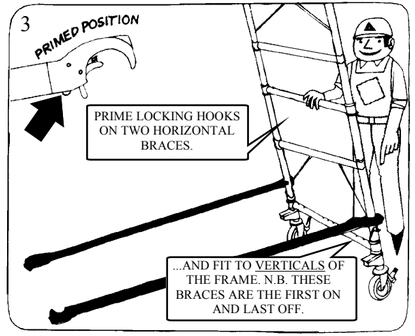
PRIME ALL FRAME COLLARS AND BRACES BEFORE ASSEMBLY OF TOWER. PUT THE ADJUSTABLE LEGS THROUGH THE MASTER RUNG INTO THE LEGS OF THE FRAME. ENSURE THE LOCATING RIVETS ON THE MASTER RUNGS WILL FACE UPWARD WHEN IN USE.

2



...TURN THE LEG UNTIL THE FRAME COLLAR LOCK ENGAGES

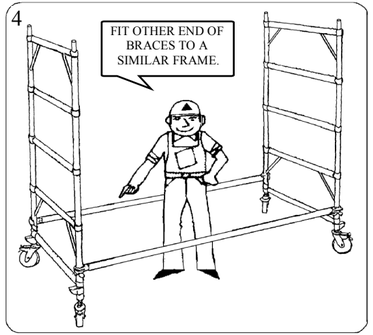
3



PRIME LOCKING HOOKS ON TWO HORIZONTAL BRACES.

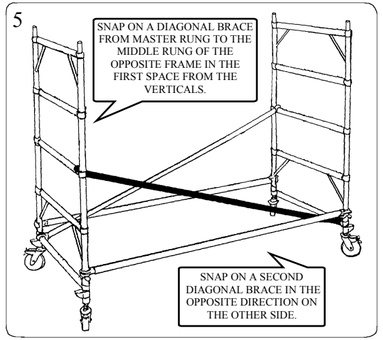
...AND FIT TO VERTICALS OF THE FRAME. N.B. THESE BRACES ARE THE FIRST ON AND LAST OFF.

4



FIT OTHER END OF BRACES TO A SIMILAR FRAME.

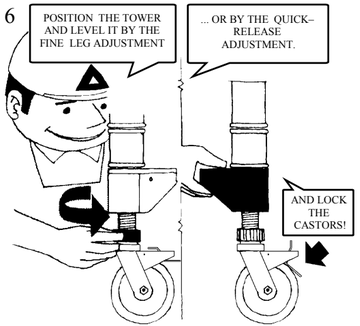
5



SNAP ON A DIAGONAL BRACE FROM MASTER RUNG TO THE MIDDLE RUNG OF THE OPPOSITE FRAME IN THE FIRST SPACE FROM THE VERTICALS.

SNAP ON A SECOND DIAGONAL BRACE IN THE OPPOSITE DIRECTION ON THE OTHER SIDE.

6

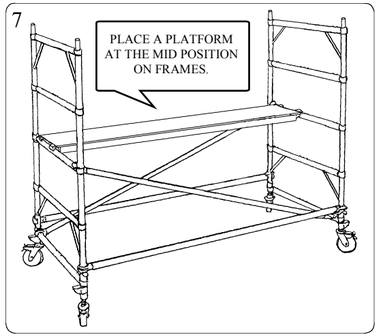


POSITION THE TOWER AND LEVEL IT BY THE FINE LEG ADJUSTMENT

... OR BY THE QUICK–RELEASE ADJUSTMENT.

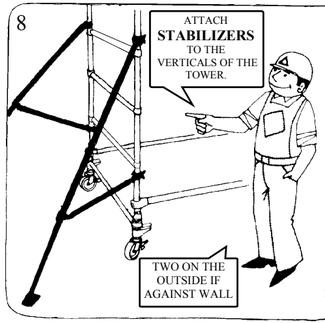
AND LOCK THE CASTORS!

7



PLACE A PLATFORM AT THE MID POSITION ON FRAMES.

8



ATTACH **STABILIZERS** TO THE VERTICALS OF THE TOWER.

TWO ON THE OUTSIDE IF AGAINST WALL

MAXIMUM RECOMMENDED PLATFORM HEIGHT

1.4m WIDE, WITHOUT STABILIZERS : 3.5M

WITH NON-TELE STABILIZERS : 4.3M

WITH TELESCOPIC STABILIZERS : 6.3M

WITH LONG TELE STABILIZERS : 7.3M

0.8m NARROW, WITHOUT STABILIZERS : 2M

WITH NON- TELE STABILIZERS : 3.5M

WITH TELESCOPIC STABILIZERS : 4.3M

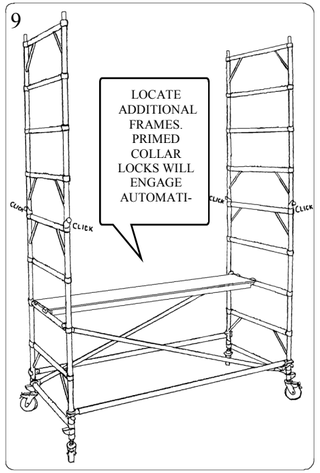
WITH LONG TELE STABILIZERS : 6.3M

HIGHER SHOULD BE TIED IN

PLEASE ALSO BE SURE TO READ BASIC SAFETY NOTES ON REVERSE OF THIS PAGE

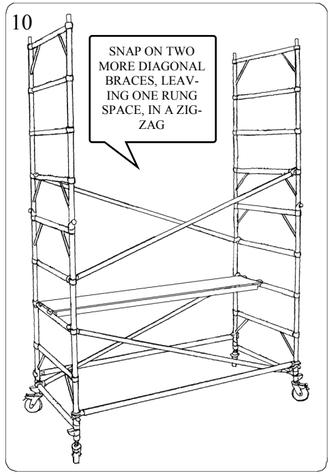
THESE INSTRUCTIONS SPECIFICALLY RELATE TO A SCAFFOLD WITH A TOP PLATFORM OF 4.3M.
POINTS TO APPLY TO OTHER SIZES:
THERE MUST BE A HAND RAIL 1M ABOVE PLATFORMS AND A MID RAIL 0.5M ABOVE PLATFORMS IF 3M OR HIGHER.
THERE SHOULD BE A GAP OF 2M BETWEEN EACH PLATFORM LEVEL.
ENSURE THERE ARE ALWAYS AT LEAST 2 RUNGS OF FRAME ABOVE THE TOP PLATFORM DURING CONSTRUCTION.

9



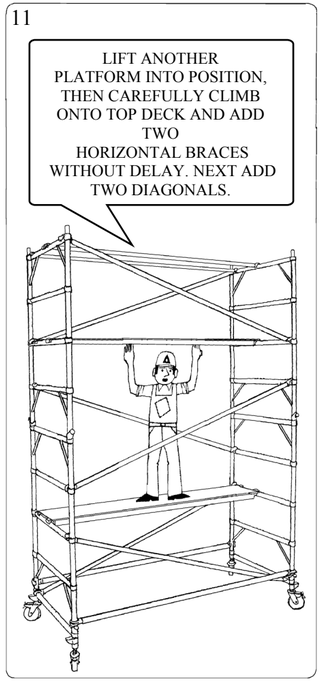
LOCATE ADDITIONAL FRAMES. PRIMED COLLAR LOCKS WILL ENGAGE AUTOMATI-

10



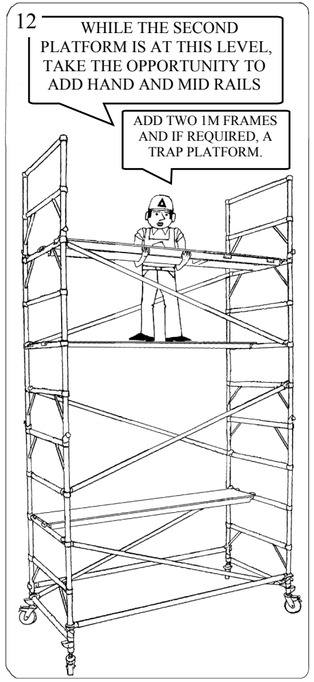
SNAP ON TWO MORE DIAGONAL BRACES, LEAV-ING ONE RUNG SPACE, IN A ZIG-ZAG

11



LIFT ANOTHER PLATFORM INTO POSITION, THEN CAREFULLY CLIMB ONTO TOP DECK AND ADD TWO HORIZONTAL BRACES WITHOUT DELAY. NEXT ADD TWO DIAGONALS.

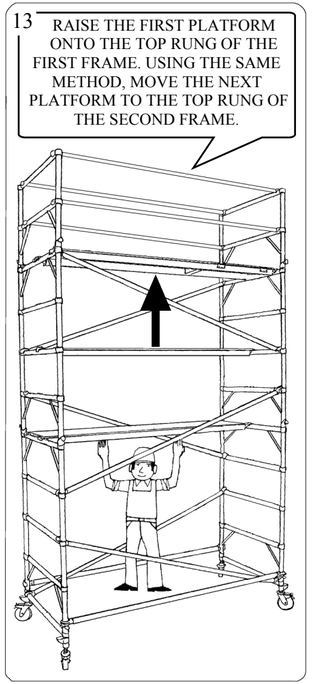
12



WHILE THE SECOND PLATFORM IS AT THIS LEVEL, TAKE THE OPPORTUNITY TO ADD HAND AND MID RAILS

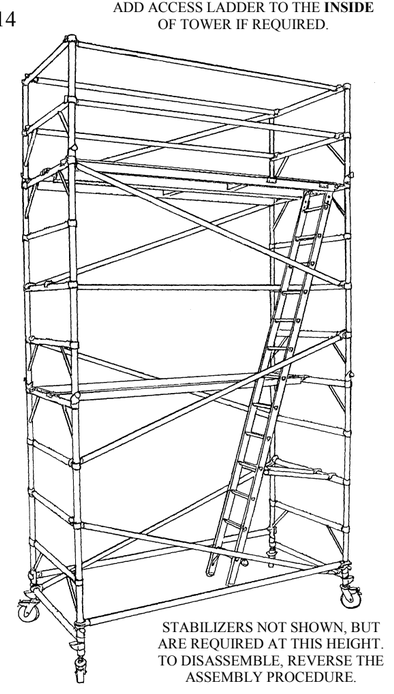
ADD TWO 1M FRAMES AND IF REQUIRED, A TRAP PLATFORM.

13



RAISE THE FIRST PLATFORM ONTO THE TOP RUNG OF THE FIRST FRAME. USING THE SAME METHOD, MOVE THE NEXT PLATFORM TO THE TOP RUNG OF THE SECOND FRAME.

14



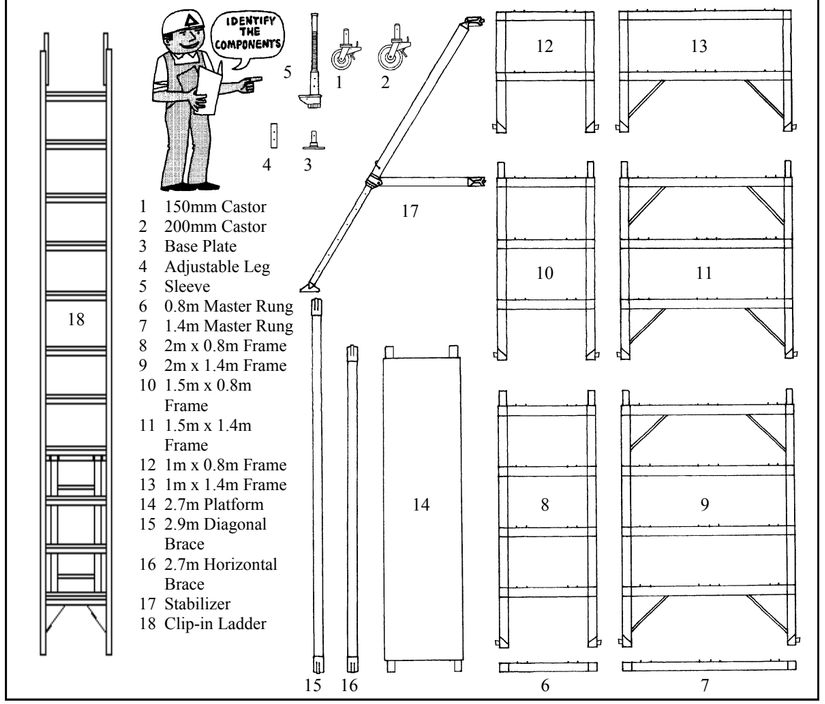
ADD ACCESS LADDER TO THE **INSIDE** OF TOWER IF REQUIRED.

STABILIZERS NOT SHOWN, BUT ARE REQUIRED AT THIS HEIGHT. TO DISASSEMBLE, REVERSE THE ASSEMBLY PROCEDURE.

ALIPRO

Prefabricated Aluminium Scaffold Towers

Assembly instructions for 2.7m long by 0.8m wide and 1.4m wide towers



1 150mm Castor
2 200mm Castor
3 Base Plate
4 Adjustable Leg
5 Sleeve
6 0.8m Master Rung
7 1.4m Master Rung
8 2m x 0.8m Frame
9 2m x 1.4m Frame
10 1.5m x 0.8m Frame
11 1.5m x 1.4m Frame
12 1m x 0.8m Frame
13 1m x 1.4m Frame
14 2.7m Platform
15 2.9m Diagonal Brace
16 2.7m Horizontal Brace
17 Stabilizer
18 Clip-in Ladder

Basic Safety Notes

1 New Zealand Occupational Safety and Health (O.S.H.) regulations stipulate scaffolding, any part of which is 5 metres or higher, (above surrounding ground level) may only be erected, altered or dismantled under the direct supervision of a person who holds a current and appropriate certificate of competency as a scaffolder issued under the regulations.
Any tower with a top platform 4m or higher falls into this category.

2 Ensure users and erectors fully understand these assembly instruction.

3 Never use damaged equipment.

4 Never mix different brands or types of scaffold components.

5 Do not drop equipment to the ground. During assembly or dismantling, components should be hoisted or lowered by ropes.

6 Do not hammer any part of the scaffold into place. Generally if a brace will not snap onto a rung, it is because the scaffold is not square (an end frame is at an angle compared with it's opposite frame) or one end of the brace is being forced into a different gap on the rung. It is good practice to wear soft, leather gloves and use the heal of the hand to persuade stubborn braces.

7 Do not exceed the Safe Working Load of the scaffold. (Refer to S.W.L.'s)

8 Ensure that the scaffold is absolutely vertical at all times using the leg adjustments. Do not adjust the legs with personnel or materials on the tower.

9 Do not permit any person to ride on a

10 Ensure that the castors are locked at all times other than when the scaffold is being moved.

11 Ensure that all frame collars mechanisms are engaged into spigots i.e. red knobs are pointing upwards.

12 Always climb a scaffold on the inside only.

13 Use guard rails and mid rails if there is a risk of falling three metres or more.

14 Ensure that the scaffold is within the regulations regarding its base to height ratio. The height to base to ratio being a maximum of 1.5:1 for scaffolds not exceeding 3m in height and 3:1 for scaffolds exceeding 3m in height.

15 Before every move ensure the potential route to be followed is level and free from holes, obstructions, hazards etc. Raise stabilizers 20mm off the ground, release all brakes, and push manually at the base only.

16 After every move re-lock castors, check vertical alignment, check stabilizers are secure and have a sound footing. Re-tie to rigid structure if necessary.

17 Never use ladders, saw horses, beer crates or similar to gain additional height. To increase height only use additional scaffold components. Do not use leg adjustments to increase the height of the scaffold.

18 Never use the scaffold in the vicinity of an unguarded electrical supply or near unguarded machinery.

19 Avoid exposing the scaffold to potash , dilute hydrochloric acid or other corrosive substances.
Exposure to such substances can seriously effect the strength of the scaffold.

20 Be aware of high wind conditions. Always tie the scaffold to a rigid structure in exposed conditions, and lash either end of platforms to rungs. Unattended scaffolds must be secured against unauthorized use or hazardous weather conditions. Because of the lightness of aluminium scaffolding, only a moderate wind may cause an untied tower to topple.

21 Care must be exercised if horizontal forces are applied from a tower e.g. a person applying pressure to a building with a drill or water blaster. Such forces should be avoided where possible and must not exceed 20kg on free standing scaffolds.

22 **Safe Working Loads**
Platforms: Maximum load 200kg, evenly distributed.
Castors: Fallshaw 150mm diameter; 360kg.
Fallshaw 200mm diameter; 500kg.
Individual Towers: 750kg minus the self weight of the tower (allow 75kg per 2m lift).
This S.W.L. must not be exceeded without consulting your authorized supplier.

23 **Tying In**
Where a tower is required to be tied into a rigid structure, either because the safe height to base ratio of a free standing tower is being exceeded or because of excessive lateral forces, or because of adverse weather conditions, the tower should be securely tied to the rigid structure using compatible tube and aluminium couplers.
The ties should be attached to the verticals of the tower commencing at a point in the middle of the second 2m lift and thereafter at least every 4m. These ties must be attached to the appropriate lift before further assembly.

24 **O.S.H. requirements.** (In New Zealand)
A scaffold register must be kept on site and be available for inspection, for all scaffolding from which a person could fall 5m or more. Additionally, a 'Notification of Particular Hazardous Work' form must be submitted to the nearest O.S.H. branch, either by facsimile or by mail.

25 These instructions are a guide only and may not cover all required obligations. If in doubt, check with your local O.S.H. inspector.

ALIPRO

Manufactured by:

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Also available to hire or to buy from:
Safeway Agencies in Whangarei, Hastings, Wanganui, and Timaru.

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