

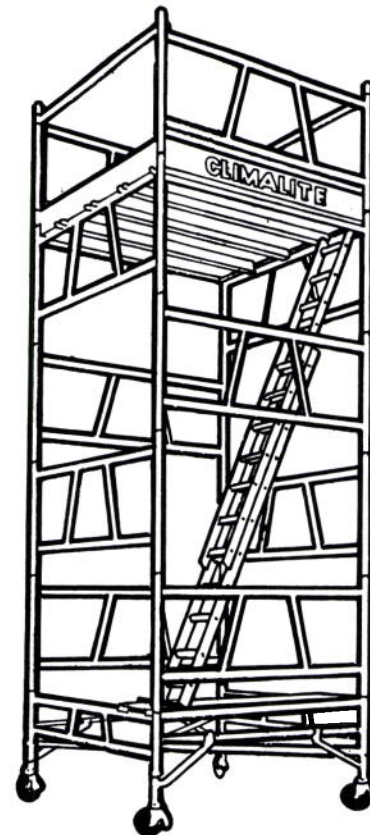
CLIMALITE

ALUMINIUM TOWERS TECHNICAL SPECIFICATION SHEETS

COMPONENT BREAKDOWN & ERECTION GUIDE

CLIMALITE OFFERS ALL THESE FEATURES

1. LARGE MOBILE PLATFORM.
2. UP TO 9m² (100ft²) WORK AREA.
3. EASILY MOVED ON 200mm (8") CASTORS.
4. RUGGED — COMPATIBLE WITH STANDARD SCAFFOLD TUBE.
5. STRENGTH — WITH LIGHTNESS — EASY TO HANDLE & ERECT
6. LESS THAN ½ WEIGHT OF STEEL.
7. SAFE — INTERLOCK CLIPS & ANTISKID SURFACE ON PLATFORMS.
8. SIMPLE — TWISTPROOF SPIGOT REDUCES THE NEED FOR BRACING.
9. FULL 2m LIFT (PLENTY OF HEADROOM).
10. 3 SIZES OF FRAME & 2 DECKING OPTIONS.
11. SAFE WORKING LOAD 816kg (1800 lbs) PER TOWER.



CLIMALITE TOWER COMPONENT GUIDE

Height	Platform			Frames	Plan Brace	Guardrail	Foot** Frame	1.5m, 2.0m, & 3.0m Trap Platform	Toe Board	Castors	Optional Adj. Legs	Decking			*Wheel Brace
	1.5m x 1.5m x 1.5m	2.0m x 2.0m x 2.0m	3.0m x 3.0m x 3.0m									1.5 m Std/ Platform	2.0m Std/ Platform	3.0m Std/ Platform	
1.5m	✓	✓	✓	2	2	2	2	1	4	4	4	2	3	5	4
2.5m	✓	✓	✓	6	2	4	2	1	4	4	4	2	3	5	4
3.5m	✓	✓	✓	8	2	4	2	1	4	4	4	2	3	5	4
4.5m	✓	✓	✓	10	2	4	2	1	4	4	4	2	3	5	4
5.5m		✓	✓	12	2	4	2	1	4	4	4		3	5	4
6.5m		✓	✓	14	2	4	2	1	4	4	4		3	5	4
7.5m			✓	16	2	4	2	1	4	4	4			5	4
8.5m			✓	18	2	4	2	1	4	4	4			5	4
9.5m			✓	20	2	4	2	1	4	4	4			5	4

* Only obligatory for 3m x 3m towers. Optional on 2m x 2m towers.

** Foot tie on older towers (cannot use adjustable legs).

CLIMALITE
THE VERSATILE ALUMINIUM SYSTEM

CLIMALITE

Instructions – CLIMALITE TOWER erection

ALUMINIUM TOWERS

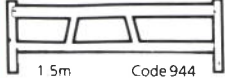
IMPORTANT: Platforms should not be located on lower cross bars of frames for working purposes except for erection and for ladder access as shown in illustration No. 13. Do not erect and use towers the wrong way up. Notes on opposite page should be read before commencing erection.

Components

FOOT TIE (Older Type)

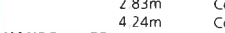


FOOT FRAME



1.5m Code 944
2.0m Code 945
3.0m Code 946

PLAN BRACE



2.12m Code 975
2.83m Code 976
4.24m Code 977

HANDRAIL BRACE



1.5m Code 978
2.0m Code 979
3.0m Code 980

FRAME



1.5m Code 972
2.0m Code 973

FRAME



3.0m Code 974

CASTOR
Code 929



PLATFORM



1.5m Code 985
2.0m Code 986
3.0m Code 987

ADJUSTABLE LEG
Code 947



WHEEL BRACE
Code 948

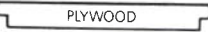


TRAP PLATFORM



1.5m Code 988
2.0m Code 989
3.0m Code 990

TOEBOARDS



PLYWOOD
1.5m Code 991
2.0m Code 992
3.0m Code 993

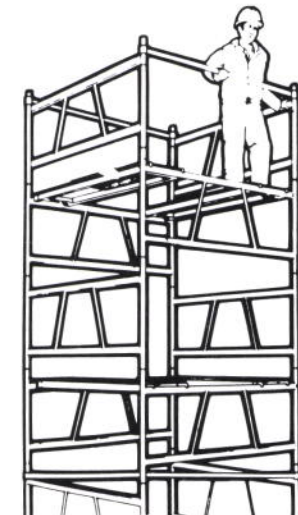
2 Push adjustable leg into foot frame. If an adjustable leg is not required the foot frame may be clamped directly onto the castor, or a foot tie the older type. This may necessitate repositioning brakes slightly higher than illustrated.

6 For ease of erection decking units may be temporarily positioned.

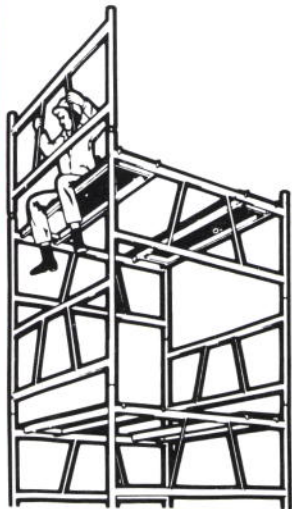
5 Locate frames into position spigots downwards and interlocking frames by clips.



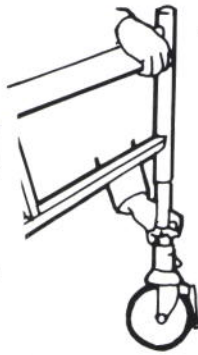
10 Use two guardrails to complete the box.



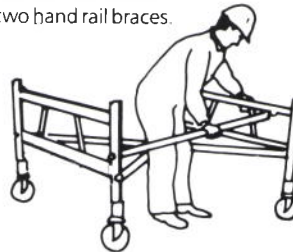
9 Locate two more frames spigots downwards above platform level to form two sides of the guardrails.



1 Place adjustable leg into castor



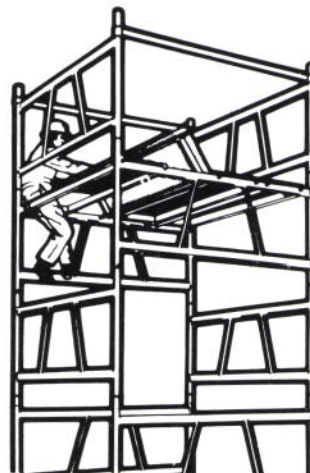
4a Connect the two foot frames with two hand rail braces.



7 Continue building spigots downward until the required platform height is reached.



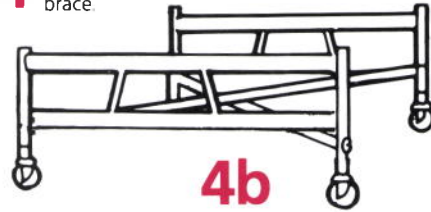
11 Reposition deck units from temporary access position.



3 Position first plan brace diagonally between foot frames/foot ties.



4 Position second plan brace.



4b

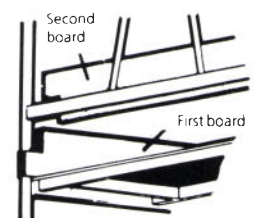
On 3m x 3m mobile towers add wheel brace part no. 948. Also recommend on 2m x 2m mobile towers.



8 Locate remaining deck units ensuring trap platform is positioned to suit access system selected.



12 Locate toeboards ensuring that the first two boards down run at right angles to the guardrail frames, otherwise the toeboards will foul the cross bar of the frame.



DISMANTLING PROCEDURE IS THE REVERSE OF ERECTION PROCEDURE.

Inclined ladder access utilising a standard 'D' rung ladder.

Components

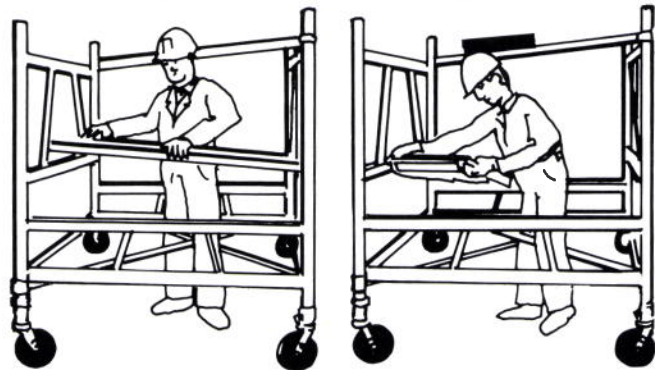


PLATFORM LADDER STOP
Code 3369



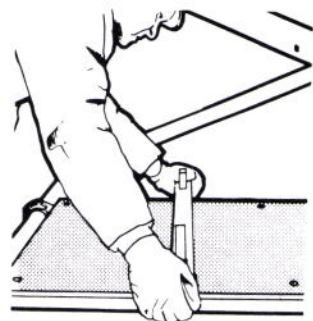
LADDER

Tower Height/m	Code
2	825
2-3	3364
4-5	3365
5-7	3366
6-9	3367



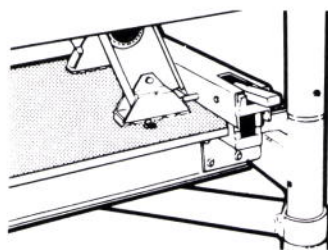
13 Place a platform on the bottom cross rail of the lower frames for even height towers.

or place the platform on the foot frame for odd height towers.

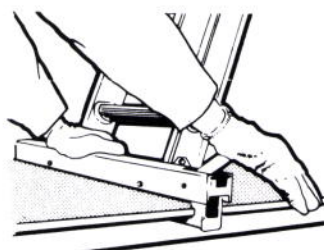


14 Place the ladder stop on the platform.

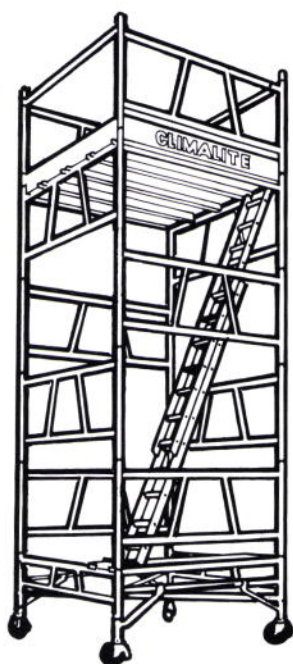
15 Position ladder in tower with base resting on lower platform against ladder stop, ensuring ladder feet are located by protrusions on stop.



16 Lock ladder into position by hooking frame cross bar.

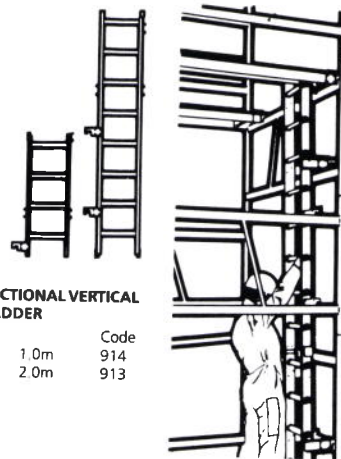


17 Finally ensure ladder is at correct angle and lock platform stop in place.



18 Tower complete.

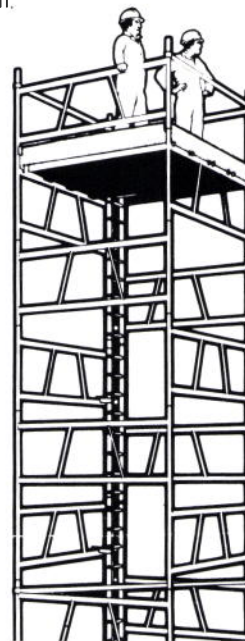
Vertical ladder access



SECTIONAL VERTICAL LADDER

	Code
1.0m	914
2.0m	913

13a If required, ladder sections of 1.0m can be attached. Place the first section over crossbar in the corner corresponding to trap platform.



Tower complete.

IMPORTANT NOTES RECOMMENDED MINIMUM BASE WIDTH TO HEIGHT RATIOS

1. With locked castor wheels OUTDOOR free-standing mobile towers should not exceed in height 3 x length of smallest side.
2. INDOOR towers can have a 3.5-1 height to smallest base side ratio.
3. For platform heights exceeding the recommended ratios the towers should be tied into a building or structure.
4. Access to the platform is preferable via internal ladder.

Further safety notes

- DO NOT**—place and use platforms on the lower cross bars of frames
- DO NOT**—erect and use towers the wrong way up (i.e. with spigots upwards).
- DO NOT**—leave free-standing towers in exposed or windy conditions without securely tying-in.
- DO NOT**—exceed recommended base width to height ratios.
- DO NOT**—use on sloping ground without taking adequate precautions against overturning.
- DO NOT**—use towers on soft ground without suitable base (i.e. scaffolding boards).

DO NOT—lean ladders against the outside of towers. Tower is built with frame spigots downward.

- ENSURE:** Castor wheels are locked before climbing inside the tower with wheels turned outwards to increase load spread area.
- ENSURE:** Decking units are positioned for easy and safe erection from inside the framework.
- ENSURE:** Towers that are not fitted with castors are dismantled before moving.
- ENSURE:** A suitable base is provided (i.e. scaffolding boards) when erecting towers on soft ground.

Distributed S.W.L. 816kg — 1800lbs per towers.

PROVISION OF INFORMATION

Your attention is drawn to Section 6 of 'The Health and Safety at Work Act 1974'.

If you have purchased or hired any equipment for resale or hire, you are required to provide your customer with sufficient information to ensure, as far as is reasonably practical, that the article when used correctly is without risk to safety or health.

Therefore this erection guide should be passed on to your customer and further copies may be obtained through your local Stephens & Carter Depot.

SAFETY CHECK LIST Before Erecting the Tower

Make sure that the supplier's instruction manual is on site and has been read and understood.

Make sure that all local bye-laws and Police regulations are adhered to when towers are erected in public places.

Ensure reasonable precautions are taken to prevent collision with tower by persons or vehicles.

Check that all components are of the same make and correct type and that the correct number are on site.

Check that the components are not damaged.

Check that components with moving parts—castors, brakes, legs and hooks—are working properly.

Check that floor is level, firm and not obstructed.

Check that floor openings are covered or filled in, or protected with barriers.

Check that the scaffold can be tied to adjacent structures if necessary.

When Erecting the Tower

Keep to the instructions in the supplier's manual.

Keep to the recommended height/base ratios.

If stabilisers are to be used ensure these are fitted correctly.

Check that the castor brakes are on.

Check that the scaffold is vertical.

If adjustable legs are being used check these are secure.

Fit bracing as the erection proceeds.

Secure interlocking pins on all spigot and socket joints.

Ensure spigots face downwards.

Fit guardrails and toeboards to all working platform levels.

Tie into the structure if at all possible, or arrange for other methods of stability.

Incomplete towers should have recommended warning notice displayed.

During Use of the Tower

Ensure Safe Working Load of tower is not exceeded.

Inspect before each use to see that the height/base ratio is within limits.

Ensure that no parts have been removed or altered from the correct configuration or have been vandalised.

If any stabilisers are used ensure these are correctly positioned and secured.

Check that ties, ballast weights or guys are in order if fitted.

Check the tower is vertical and adjustable legs are secure.

Check that the castors and brakes are operative.

Check that the floor or surface is firm and level.

Ensure recommended means of access is in place.

Check the tower is clear of overhead obstructions before moving.

Check that the tower is not damaged.

Limit horizontal forces on the platform as much as possible.

In industrial areas, housing estates, public places, etc., take all necessary precautions, like fencing the base of the tower to prevent children or vandals from climbing the tower and vehicles colliding with the tower.

Ensure men and material are off the tower before moving. Move the tower by applying manual force at or near the base.

Avoid moving the tower by mechanical means such as towing with a vehicle.

Avoid using the tower in windy or severe weather conditions, unless adequately tied in or stabilised.

Ensure that platforms are secure or tied down in windy or severe weather conditions.

When Dismantling the Tower

Keep to the instructions in the supplier's manual.

Never drop equipment from the tower. Always lower material to the ground by rope or hand.

IF IN DOUBT ASK YOUR LOCAL **Stephens & Carter DEPOT.**

CLIMALITE

ALUMINIUM TOWERS

ITEM NO
80.011

INSTRUCTIONS FOR USE OF SCAFFOLD BO

IMPORTANT: This sheet is to be used in conjunction with the CLIMALITE TOWER ERECTION GUIDE

USAGE Scaffold Board Decking and Toe boards are only supplied on the
NOTE understanding that they are used in conjunction with access methods supplied by the user to conform with current codes of practice.

Components

TOE BOARDS



1.5m	Scaffold Code 905
2.0m	Code 906
3.0m	Code 907

BOARD BEARERS



3.0m Code 996

SCAFFOLD DECK BOARD



1.5m	Code 997
2.0m	Code 998
3.0m	Code 999

1 When using deckboards erect tower structure as detailed in Erection Guide.

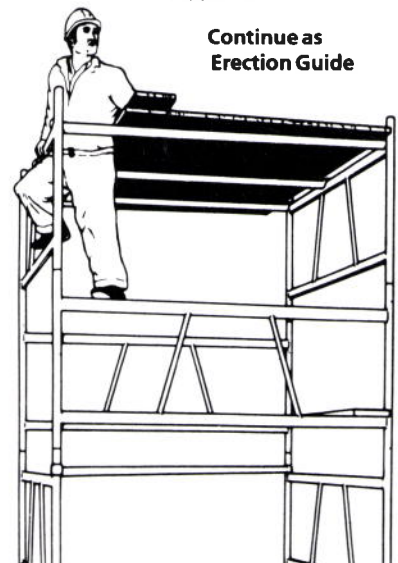


2 Position board bearers at right angles to top frames one at each end and one in the centre.



3 Lay boards at right angles to board bearers ensuring boards are properly supported.

Continue as Erection Guide



NOTES: Three Board Bearers should be fitted when the 2.0m and 3.0m frames are used.
No more than one man should stand on the centre of the decking boards during erection.

DUE TO A POLICY OF CONTINUING DEVELOPMENT AND IMPROVEMENT, STEPHENS & CARTER RESERVE THE RIGHT TO ALTER SPECIFICATIONS.



A BET PLANT SERVICES COMPANY

STEPHENS & CARTER

Stephens & Carter Limited
Access House, Strawberry Hill,
Old Bath Road, Newbury,
Berkshire, RG13 1HA
Telephone: 0635 36768
Telex: 846365 CLIMA G Fax: 0635 41929