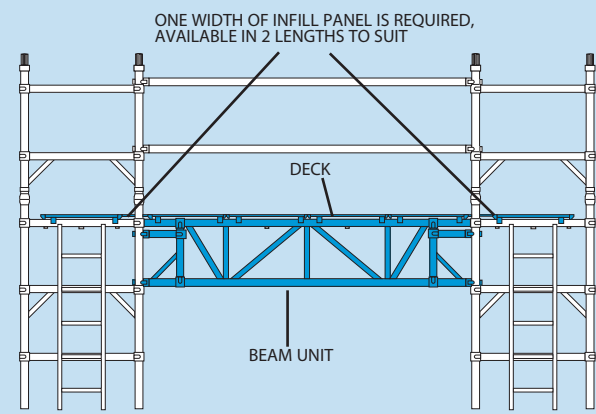
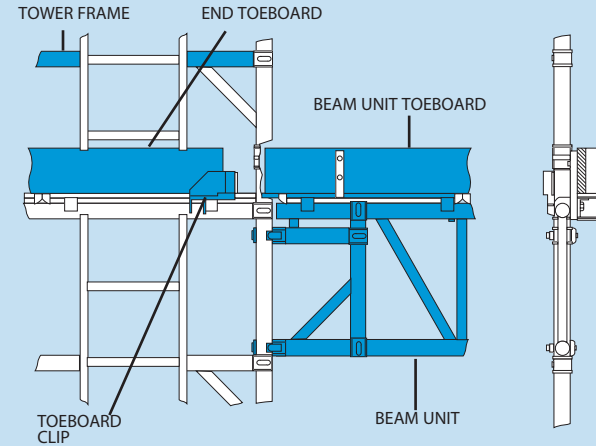


BEAM UNIT AND DECKING LAYOUTS



FITTING TOEBOARD



WIND DESCRIPTION

Wind Description	Beaufort Scale	Beaufort No.	Speed in m.p.h	Speed in m/sec
Medium Breeze	Raises dust and loose paper, twigs snap off	4	8-12	4-6
Strong Breeze	Large branches in motion, telegraph wires whistle	6	25-31	11-14
Gale Force	Walking is difficult	8	39-46	17-21

QUANTITY SCHEDULE

Beam width	1.9	2.5	3.1	1.9	2.5	3.1
Deck width	1.8			2.5		
Beam Unit	2	2	2	2	2	2
Beam Unit Brace	4	4	4	4	4	4
Infill Deck 1.7m	2	2	2			
Infill Deck 2.4m				2	2	2
1.8m Fixed Deck	3	4	5			
2.5m Fixed Deck				3	4	5
1.8 Horizontal Brace	2	2	2			
2.5 Horizontal Brace				2	2	2
Toeboard	2	2	2	2	2	2

SAFETY CHECKLIST

- ENSURE ALL BRACE CLAWS OPERATE CORRECTLY

INSPECT COMPONENTS PRIOR TO ERECTION

INSPECT TOWER PRIOR TO USE AND AFTER MOVEMENT

TOWER UPRIGHT AND LEVEL

CASTORS LOCKED AND LEGS CORRECTLY ADJUSTED

DIAGONAL BRACES FITTED

STABILISERS FITTED AS SPECIFIED

PLATFORMS LOCATED CORRECTLY

TOEBOARDS LOCATED

CHECK GUARDRAIL BRACES ARE FITTED CORRECTLY
(SEE ILLUSTRATION BELOW)

CHECK FRAME INTERLOCK CLIPS ARE LOCKED
(SEE ILLUSTRATION BELOW)

ENSURE HORIZONTAL BRACES AND GUARDRAILS ARE FITTED CORRECTLY
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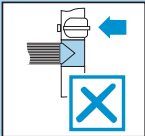
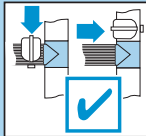
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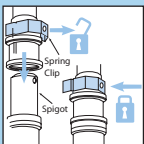
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- REFER TO THIS CHECKLIST BEFORE USING EACH TIME

EQUIPMENT CARE

Keep the equipment clean, you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

Components should be stored with due care to prevent damage. Frames and decks should be stored in the vertical position.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves and unauthorised users.



... have you been trained

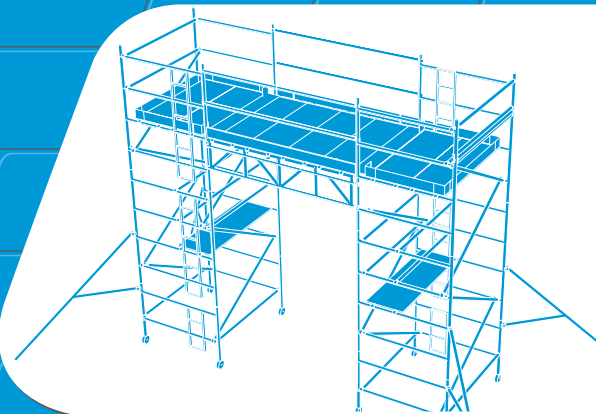
The law requires that personnel using work equipment have received adequate training and must be competent when using the equipment within the workplace.

Training is available at HSS Training Solutions
0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below

e-mail: safety@hss.com



Bridging Beams

Aluminium beam system which link two Boss Access Towers to provide a large uninterrupted safe working area



INTRODUCTION

This Bridging Beam User Guide must be used in conjunction with HSS BoSS Tower guide. Before assembly, please read the Safety Notes carefully.

The law requires that operatives must be competent and qualified to erect the tower. If another person is involved, please pass on these instructions.

For further information on the safe use of Mobile Access Towers consult the PASMA Guide or EN 1298.

For further information, design advice, additional guides or any other help with this product, please contact your local HSS Hire.

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.




This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment is designed to be used by an able bodied, competent adult who has read and understood these instructions.

Anyone with either a temporary or permanent disability should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from your local HSS Hire.

  **Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.**

   **Wear practical, protective clothing, gloves, footwear and a protective hard hat.** Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Make sure that anyone in the immediate work area is warned of what you are doing.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Hire.

Check that all components are on site, undamaged and are functioning correctly (see Checklist and Quantity Schedules). **Damaged or incorrect components must not be used.**

Check the ground on which the mobile access tower is to be erected and moved is **capable of supporting the tower.**

The safe working load on the beam unit is 150kg.

Towers must always be **climbed from the inside** using the built in ladder during assembly and use.

It is recommended that **towers should be tied to a solid structure when left unattended.**

Adjustable legs should only be used for levelling and not for gaining extra height.

Tower components should be lifted using a **reliable lifting material** (e.g. strong rope), employing a reliable knot (e.g. clove hitch), to ensure safe fastening and **always lift within the footprint of the tower.**

Assembled mobile towers **should not be lifted with a crane** or other lifting device.

The tower should only be **moved by manual effort**, and only **from the base.**

Safety Warning

Do not use boxes or stepladders or other objects on the platform to gain extra height.

The assembled tower is a working platform and should not be used as a means of access or egress to other structures.

When moving the tower, beware of live electrical apparatus, particularly overhead, plus wires or moving parts of machinery.

No person or materials should be on the tower **during movement.**

Caution should be exercised when wheeling a tower over rough, uneven or sloping ground, taking care to unlock and lock castors. If stabilisers are fitted, they should only be lifted a maximum of 25mm above the ground to clear ground obstructions.

The overall height of the tower when being moved, **should not exceed 2.5 times the minimum base dimensions, or 4 metres overall height.**

After every movement of the tower use a spirit level to check that it is vertical and level and set the adjustable legs as required.

Beware of high winds in exposed, gusty or medium breeze conditions. If the wind is likely to **reach gale force the tower should be dismantled** (see wind description).

Mobile towers are not designed to be suspended. For more information contact your local HSS Hire.

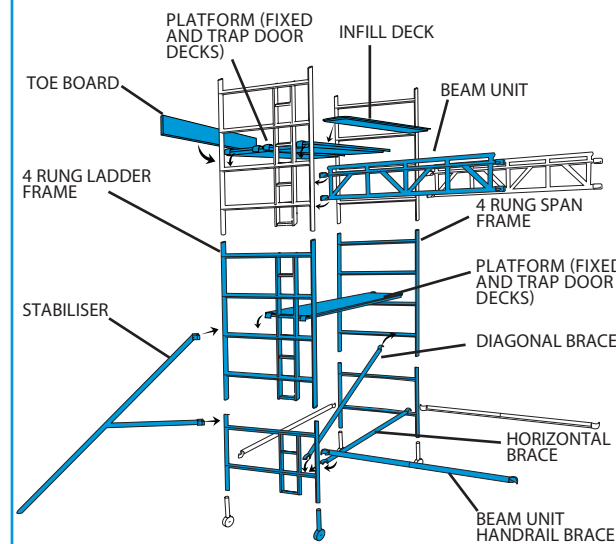
Stabilisers and ballast weights should always be fitted when specified.

Assemble only as instructed.

Safety Warning

Beware of horizontal forces which could generate instability. Maximum horizontal force 20kg.

IDENTIFIER



ASSEMBLY

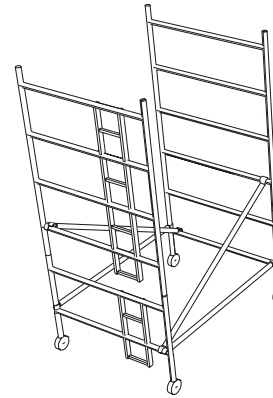
THIS TYPE OF STRUCTURE MUST BE ERECTED BY OPERATIVES WITH A PASMA CERTIFICATE & PRODUCT SPECIFIC TRAINING

NEVER STAND OR WORK ON AN UNPROTECTED PLATFORM

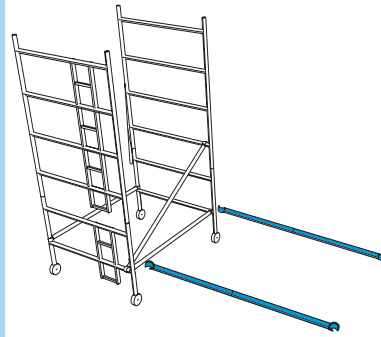
DO NOT EXCEED THE SAFE WORKING LOAD OF 150KG ON THE BEAM UNIT PLATFORM

TO BE USED IN CONJUNCTION WITH HSS BOSS TOWER GUIDE. REFER TO HSS BOSS TOWER GUIDE FOR INSTRUCTIONS ON ERECTING THE TOWER.

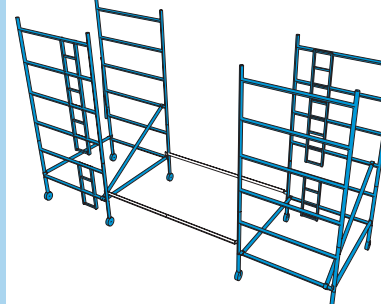
1 Start by assembling the base of the first tower **exactly as described in the current BoSS user guide**, ensure this structure is level and square, the ladder side of the tower is on the side the beams will be fitted.



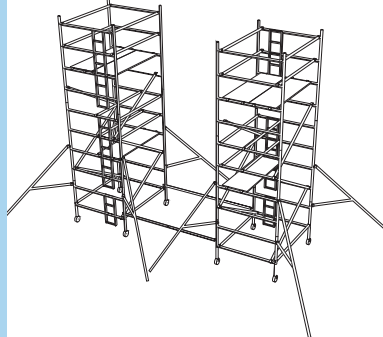
2 Temporarily attach 2 no beam unit handrail braces on the uprights resting on the first rung in line with these frames. These braces to be the same length as the beam units, this will correctly space the towers to enable fitting of the beams at working platform level.



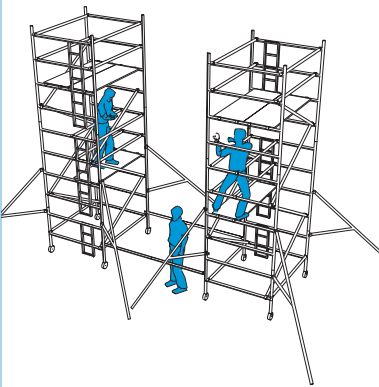
3 Assemble the base of the second tower (ref 1) and attach to the opposite ends of the beam unit handrail braces, now forming 3 rectangles linked in parallel with one another. At this stage it is very important that the two tower base units are exactly level with each other by using a level on the spacing braces. **Spend a little extra time carrying out the levelling operation to ensure that the whole structure is perfectly level and square as this will save time later in the build.**



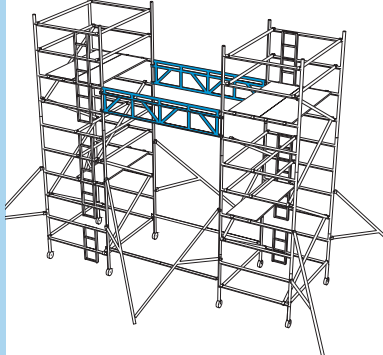
4 Once the base is level continue building the two towers to the required platform height using the 3T method, following the BOSS user guide taking care to fit the appropriate stabilisers. The ladder side of each tower should be on the inside of the structure, this will allow the operatives to install the beam units from the intermediate deck level below the work platform in the next stage. **Do not fit the toe boards yet.**



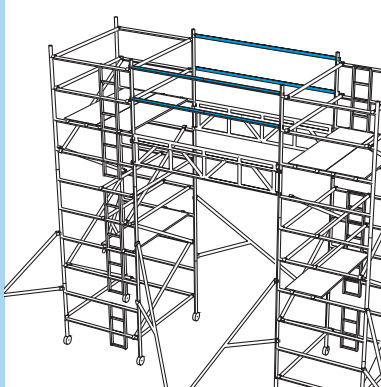
5 At this stage of the assembly a minimum of 3 operatives will be required, one on each tower and one at ground level. The operatives on the towers should position themselves on the trap deck below the working platform level.



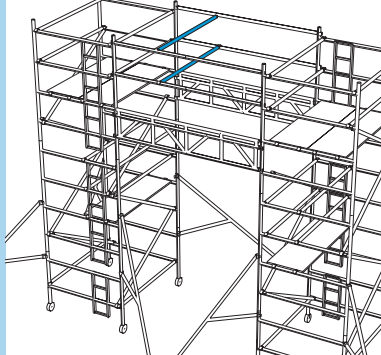
6 The beam units should be passed up and fitted one each side between the two towers resting on the rung below the working platform level. Brace locking devices to face outwards. Ensure that the top tube of the beam unit is at the same level as the frame rung on which the working platforms are fitted.



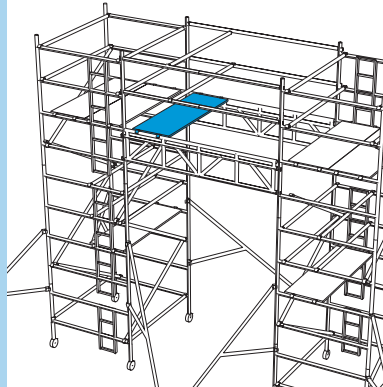
7 Fit two beam unit handrail braces on rungs one and two above the beams on one side, and move the two beam unit handrail braces from the base and re-position on the opposite side of the structure to the brace's just fitted.



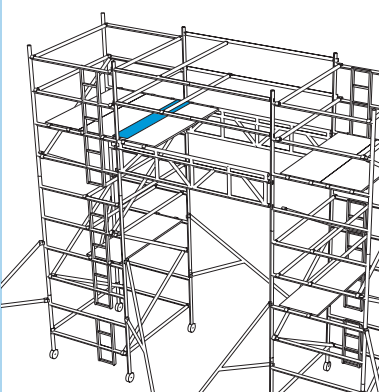
8 Working from 1 tower fit an extra pair of horizontal braces to suit the size of tower being used, position on the upper and lower beam unit handrail braces to the offside of the deck resting on the beams. This will provide double handrail protection on the beam unit platform as decks are positioned.



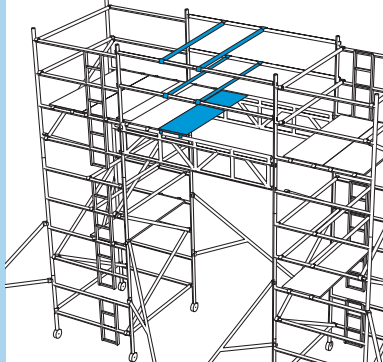
9 Working from one tower slide an appropriate length fixed platform under the tower side handrail to rest on the beam units, approx 150mm gap between the tower deck and the deck on the beams.



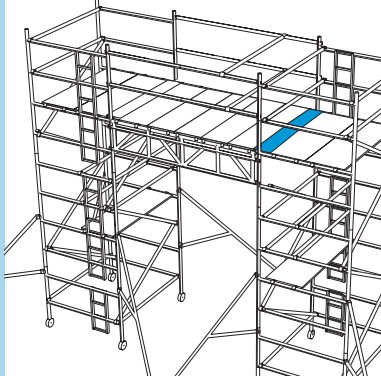
10 Fit a beam unit infill deck to bridge the gap between the tower deck and the beam unit deck, some slight adjustment may be necessary to ensure a snug fit.



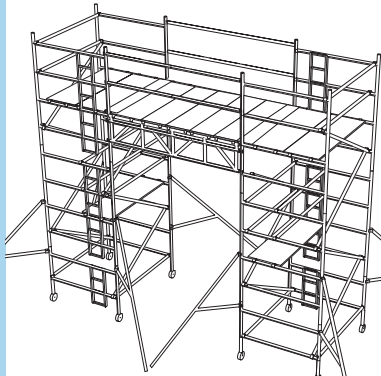
11 Re-position the guardrails from tower 1 over the beam unit guardrails, approximately 600mm apart, as shown. From the tower 1 one, slide an appropriate sized fixed platform under the guardrails, as shown. Repeat this process until all decks are in position



12 When all the decks are positioned on the beams fit the second beam unit infill deck to close the gap between the beam decks and the tower deck, some slight adjustment may be necessary to ensure a snug fit



13 Remove the inside handrail braces from the second tower to form an uninterrupted platform area.



14 Fit the supplied toe board kit to completely surround the platform area to comply with legal requirements.

