SAFETY FIRST

This document is to be used in conjunction with the full user guide available from the manufacturer or to download at bossaccesssystems.com/downloads.

Safe use
Please read this guide carefully. Please note that diagrams are for illustrative purposes only.
- Check that all components are correct, undamaged and that they are functioning correctly. Refer to Checklist and增添了 Quantitative data in user guide. Damaged or incorrect components should not be used.
- Check ground or which tower is to be erected and moved is capable of supporting the tower.
- The safe working load is 275 kg (600 lbs) per platform unit, uniformly distributed up to a maximum of 905 kg (2000 lbs) per tower (including self-weight).
- Ensure of horizontal braces (i.e. tower lock) which could generate instability.
- Maximum horizontal force equals 500 kg.
- Towers must only ever be climbed from the outside and using the rungs directly below the platform.
- It is recommended that towers be tested to a solid structure when left unattended.
- Only use the adjustable legs to level the tower and not to gain extra height. Adjustable legs only should ever be extended to minimum amount required to level the tower.

Lifting of equipment
- Tower components should be lifted using a suitable lifting material (e.g. rope, chain), employing a reliable lift (e.g. crane, barge), to ensure safe lifting and always lift within the footprint of the tower.
- Assembled mobile towers should not be lifted with a crane or other lifting device.
- Ensure the safe working load of the supporting docks and the tower structure is not exceeded.

Movement
- The tower should only be moved by manual effort, and only from the base.
- 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 avoid and lock castors. If stabilisers are fitted, they should ensure the tower is only be lifted a maximum of 20mm above the ground to prevent 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 with stabilisers fitted in the connection (whichever is the smaller). If stabilisers are not fitted in the standard position, the overall height of the tower should not exceed 2m.
- Before use, check the tower is still correct and complete.
- After every movement of the tower use a spirit level to check that it is vertical and level to within 10mm and set the additional legs as required.
- Do not move the tower in winds speeds over 7.7 metres per second (17 mph).
- Mobile access towers are not designed to be lifted or suspended.

NOTE: If the tower is moved, YOU MUST inspect prior to use.

Maintenance - storage - transport
All components and their parts should be regularly inspected to identify damage, particularly to joints. Lost or broken parts should be replaced, and any tubular with indentation greater than 9mm must not be used.

PRE-USE SAFETY CHECKLIST

Refer to this checklist before using each time.

Components
- Tower structure weight and level
- Castors locked and legs correctly adjusted
- Horizontal and diagonal braces fitted
- Stabilisers and rope fitted as specified
- Platforms located and wind locks engaged
- Interlock clips engaged
- Two locks locked
- Guardrails fitted correctly and positively locked
- Tower designation information kit fitted
- Ensure horizontal braces and guardrails are fitted correctly.
- Always fit as shown.
- Ensure interlock clips on frame members are in the ‘locked’ position.
- Ensure wind-locks are engaged before moving onto the deck levels.

CLIMA 3T

Mobile Aluminium Tower with Climbing Frame 850/1450
3T - Through the Trapdoor Method

QUANTITY SCHEDULE 850 WIDTH TOWERS

BuS Clima 850 to EN 1004: Available in 2 lengths - 1.8m and 2.5m. Internal/external use - towers under 2.5m are outside of the scope of EN 1004

COMPONENTS

QUANTITY SCHEDULE 1450 WIDTH TOWERS

BuS Clima 1450 to EN 1004: Available in 2 lengths - 1.8m and 2.5m. Internal/external use - towers under 2.5m are outside of the scope of EN 1004

FITTING TOE BOARDS

*If you are unsure if the working platform is within the ground, you may use an additional fixed platform for the tower height.
# ASSEMBLY PRINCIPLES

**Beaufort scale**

<table>
<thead>
<tr>
<th>Wind description</th>
<th>Medium breeze</th>
<th>Gale force</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 rung</td>
<td>9-12</td>
<td>11-14</td>
</tr>
<tr>
<td>5 rung</td>
<td>8-10</td>
<td>10-12</td>
</tr>
<tr>
<td>4 rung</td>
<td>7-8</td>
<td>9-11</td>
</tr>
<tr>
<td>3 rung</td>
<td>6-7</td>
<td>8-10</td>
</tr>
<tr>
<td>2 rung</td>
<td>5-6</td>
<td>7-9</td>
</tr>
<tr>
<td>1 rung</td>
<td>4-5</td>
<td>6-8</td>
</tr>
</tbody>
</table>

When all these frame heights are used in a tower, start with 4 rung frames at the base, with the 6 rung frames next and the 8 rung frames on the top. Refer to the Quantity Schedules for details.

The procedure illustrated shows a 2m platform height tower starting with a 4 rung frame.

BoSS recommends two persons are used to build BoSS Towers. Above 4m height, it is essential that at least two persons are used. Only climb the tower from the inside.

### 850 towers:

<table>
<thead>
<tr>
<th>Platform height in metres</th>
<th>Frame at base</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7, 2.2, 3.7, 4.2, 5.7, 7.2, 8.2, 9.7, 11.2</td>
<td>4 rung</td>
</tr>
<tr>
<td>2.7, 4.7, 6.7, 8.7, 10.7</td>
<td>4 rung</td>
</tr>
<tr>
<td>1.3, 2.5, 3.2, 7.2, 9.2, 11.2</td>
<td>8 rung</td>
</tr>
</tbody>
</table>

### 1450 towers:

<table>
<thead>
<tr>
<th>Platform height in metres</th>
<th>Frame at base</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7, 2.2, 3.7, 4.2, 5.7, 7.2, 8.2, 9.7, 11.7, 12.2</td>
<td>4 rung</td>
</tr>
<tr>
<td>2.7, 4.7, 6.7, 8.7, 10.7</td>
<td>4 rung</td>
</tr>
<tr>
<td>1.3, 2.5, 3.2, 7.2, 9.2, 11.2</td>
<td>8 rung</td>
</tr>
</tbody>
</table>

### DISMANTLING PROCEDURE

To take down the tower, reverse the building sequence. When removing guardrail braces, unlock the four claws furthest from the hinges towards the outside of the tower as shown. Climb the end frame below the trapdoor on the other side of the guardrails to square the tower. You may then unlock the claws at the other ends of the guardrails to remove them from the tower.

### ASSEMBLY PROCEDURE

**Assembly for BoSS towers**

1. Insert adjustable legs/interior assemblies into end frames and lock the castors. Base plates can be fitted to the adjustable legs if it is not necessary to move the tower. Fit two horizontal braces to the 8th and 8th rungs as shown in Step 3 for the 1450 tower procedures. Ensure that the frames are vertical and level by checking with a spirit level and setting the adjustable legs required.

2. Fit a trapdoor deck on the 8th rung. Fix the horizontal brace (red) as guardrails on the 6th and 8th rungs (2 and 4 rungs above the platform) on both sides of the tower.

3. Fit two diagonal braces (blue) in opposing directions between the 8th and 8th rungs. Ensure the frames are vertical and level by checking with a spirit level and setting the adjustable legs as necessary. Fit the next pair of end frames and check the frame interlock clips are engaged. Fit stabilisers.

4. Position the second end frame as shown and at the other end of the horizontal brace onto the vertical, just above the bottom rung, with the claw facing outwards. Note: All locking claws must be opening before fitting.

5. Push four castors onto the first adjustable leg. Insert adjustable legs into two end frames as shown. Lookout brake shoes should be fitted to adjustable legs if it is not necessary to move the tower.

6. Fit a temporary desk on the lowest rung. Fit a trapdoor deck on the 8th rung (2.0m) on one side of the tower. Ensure that the trapdoor is parallel with the hinges towards the outside of the tower as shown. Climb the end frame below the trapdoor on the inside of the tower, and from within the protected trapdoor position, fit horizontal brace on the 10th and 12th rungs (in that order) on both sides of the deck. Do not climb onto the deck until all guardrails are in place.

7. When building beyond a 4.2m platform height

   - Continue to add pairs of end frames, diagonal braces and filling trapdoor platform, as shown on previous steps. At every platform level, add horizontal braces as guardrails at 2 and 4 rungs above the platform (in that order) on both sides of the platform (as shown in Step 5).

   - Fix these guardrail braces from the protected trapdoor position. Do not climb onto the platform until all guardrails are in place. At the final level, a further diagonal brace should be added on each side of the tower as shown. Fit the toe boards - see the components section for guidance on how to fit. The tower is now complete.

8. When building beyond a 4.2m platform height

   - Continue the procedure until the required working height is reached, adding additional pairs of end frames, diagonal braces and filling trapdoor platforms, as shown on previous steps. At every platform level, add horizontal braces as guardrails at 2 and 4 rungs above the platform (in that order) on both sides of the platform (as shown in Step 5).

   - Fix these guardrail braces from the protected trapdoor position. Do not climb onto the platform until all guardrails are in place. At the final level, a further diagonal brace should be added on each side of the tower as shown. Fit the toe boards - see the components section for guidance on how to fit. The tower is now complete.

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

10. Beware of high winds in exposed, gusty or medium breeze conditions. We recommend that in wind speeds over 7.7 metres per second - 17 mph, you do not attempt to move the tower. If the wind becomes a strong breeze, (expected to reach 11.2 metres per second - 25 mph) the tower is a rigid structure. If the wind is likely to reach gale force, (over 18 metres per second - 40 mph) the tower should be dismantled.

### INTERLOCK CLIP

- Be sure the tray is flat, and the catch is engaged - 1090 towers:

11. To remove the interlock clip, simply pull the clip 45° towards the hinge to release the clip from the angled catch. You can then replace the clip.