SAFETY FIRST

This document is to be used in conjunction with the full user guide available from the manufacturer or to download at boosco.com/environments/contents/Elibrary.

Safe use
Please read this guide carefully. Please note that diagrams are for illustrative purposes only.

- Check that all components are on site, undamaged and that they are functioning correctly - refer to Checklist and Quantity Schedules in the user guide. Damaged or incorrect components should not be used.
- Check ground on which tower is to be erected and ensure is capable of supporting the tower.
- The safe working load is 275kgs (606lbs) per platform level.
- Review of horizontal braces (e.g. green tube) which will provide general stability.
- Maximum horizontal force equals 23kg.
- Towers must only be climbed from the inside and using the ladder rungs directly below the trapdoor.
- It is recommended that towers should be tied to a fixed structure when left unattended.
- Only use the adjustable legs to level the tower and not to gain extra height. Adjustable legs should only be extended to minimum amount required to level the tower.

Lifting of equipment
- Tower components should be lifted using a reliable lifting material (e.g. strong rope), employing a reliable lift (e.g. crane truck), 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.
- Ensure the safe working load of the supporting decks 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.
- Cautions should be observed when wheeling a tower over rough, uneven or sloping ground, taking care to unlock and lock castors. If stabilizers are fitted, they should only be lifted a maximum of 20mm above the ground to dose 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 stabilizers fitted in the correct position (whichever is the smallest). If stabilizers 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 refer 30mm and set the adjustable legs as required.
- Do not move the tower in wind speeds over 1.7 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.

Ties
For further information on tying-in a tower please contact your supplier or the manufacturer.

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 tubing with indentation greater than 5mm must not be used.

During assembly, use and dismantling
- The structure has been assessed for wind loads equating to 27mph (43 kph, 12 m/s).
- The effect of onsite wind conditions must be considered prior to the assembly of a tower. The tower must not be used in wind speeds above this. If greater wind speeds are forecast, the tower must be dismantled while it is still safe to do so.
- Sheets, tarpaulins, cladding or similar, must not be attached to the tower as these will significantly increase any side loads from wind and will potentially make the tower unstable.
- Beware of wind turbulence and funneling effects around buildings.

- Ensure wind-locks are engaged before moving onto the deck levels.
- Ensure horizontal braces and guardrails are fitted correctly.
- Ensure interlock clips on frame members are in the ‘locked’ position.
- Ensure camlocks are engaged.

LIFTSHAFT700
Camlock Guardrail Aluminium Tower
3T - Through the Trapdoor Method

QUANTITY SCHEDULE

<table>
<thead>
<tr>
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<th>Component Details</th>
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<th>Max. Exerted Leg Load (kg)</th>
<th>Max. Exerted Prop Load -</th>
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<td>Base Plate</td>
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<tr>
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<td>6701000</td>
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<tr>
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<tr>
<td>6703000</td>
<td>1.3m Camlock Guardrail</td>
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<td>6704000</td>
<td>1.3m Trapdoor Deck</td>
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COMPONENTS

- Tower structure (height and level)
- Base plates and legs correctly adjusted
- Diagonal braces fitted
- Stabilizers fitted as specified
- Platforms located and wind-locks engaged
- Interlock clips engaged
- Two towers located
- Guardrails fitted correctly and positively locked

PRE-USE SAFETY CHECKLIST

- Tower structure (height and level)
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Ensure horizontal braces and guardrails are fitted correctly.

Ensure interlock clips on frame members are in the ‘locked’ position.

Ensure camlocks are engaged.

Ensure wind-locks are engaged before moving onto the deck levels.

No person or material should be on the tower during movement.

The structure has been assessed for wind loads equating to 27mph (43 kph, 12 m/s).

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 stabilizers fitted in the correct position (whichever is the smallest). If stabilizers 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 refer 30mm and set the adjustable legs as required.

Do not move the tower in wind speeds over 1.7 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.

For further information on tying-in a tower please contact your supplier or the manufacturer.

All components and their parts should be regularly inspected to identify damage, particularly to joints. Lost or broken parts should be replaced, and any tubing with indentation greater than 5mm must not be used.

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- Beware of wind turbulence and funneling effects around buildings.

- Ensure wind-locks are engaged before moving onto the deck levels.
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PROPS

The BoSS LiftShaft700 tower should be adequately propped or tied to prevent lateral movement. They must be filled at regular 4.0m intervals. To improve stability, additional props or ties can also be filled at lower levels.

The method shown below illustrates the use of BoSS Confined Space Stabilisers.

ASSEMBLY PROCEDURE

1. Connect the 4 rung frame together with the portal/ladder frame. Ensure interlock clips are engaged. Insert base plates into adjustable legs and fit them into the frame sub-assembly. Insert two more base plates into adjustable legs and fit them into the 4-rung frame. Note the difference in gaps between the bottom of the leg and the adjustable nut.

   Note: Adjustable legs are for levelling only. They are not to be used to gain extra height at the working level.

2. Fit two horizontal braces (red catch) onto verticals of the 4 rung frame above the bottom rung as shown, with the claws facing outwards. These frames will form the climbing end of the tower and should be positioned at the far end of the Liftshaft700. Ensure all locking claws are engaged.

3. Position portal ladder frame sub-assembly at entry end of tower and fit other end of horizontal braces just above the bottom rung. The structure will now be self-supporting.

4. Connect two more 4 rung frames and fit them onto the climbing end of the tower. Ensure interlock clips are engaged. Fit one more diagonal brace as shown.

5. Fit one 1.3m trapdoor deck onto the top rung of the portal ladder frame as shown. Ensure the trapdoor opens towards the rear of the tower.

6. From the protected position of the trapdoor deck (i.e. seated), fit a cantilever guardrail frame on the rear of the tower, with the upper claws located on the 4th rungs above the platform deck.

   Repeat with a second cantilever guardrail frame on the front of the tower.

   Engage camlocks to lock guardrail units in position.

   Do not climb onto the deck until all guardrails are in place. Ensure the gate is fully engaged before climbing.

7. Connect two 4-rung frames together to create two sub-assemblies. Engage interlock clips. Whilst standing on the protected platform deck, fit one sub-assembly onto the entry end of the tower. Again, engage interlock clips. Repeat for the climbing end of the tower.

   Repeat with a second camlock guardrail frame on the rear of the tower as shown. Claws must face downwards. The structure must be vertical to within 1cm per metre. Ensure the structure will now be self-supporting.

8. Fit a confined space stabiliser (or prop/tie) to all four corners of the platform deck. Ensure wind-locks are engaged. Fit a confined space stabiliser (or prop/tie) to all four corners of the tower as shown. See instructions below.

9. From the protected position of the trapdoor deck (i.e. seated), fit a cantilever guardrail frame on the rear of the tower, with the upper claws located on the fourth rungs above the platform deck.

   Repeat with a second cantilever guardrail frame on the front of the tower.

   Engage camlocks to lock guardrail units in position.

   Do not climb onto the deck until all guardrails are in place.

When building beyond 4.0m platform height

Continue to add two pairs of assembled 4 rung frames, three cantilever guardrail frames, one trapdoor deck and four confined space stabilisers as shown in previous steps. At every platform level add guardrails between 2nd and 4th rungs above the platform. Confined space stabilisers (or prop/ties) must be added at 4.0m intervals.

When building 2.0m platform height only

Erect by following Steps 1 - 6 & 10 only.

DISMANTLING PROCEDURE

To dismantle a BoSS tower simply follow the assembly steps in reverse, ensuring that all interlock mechanisms are disengaged.

For a detailed user guide, please go to boassecuritowers.com/literature.