



MOBILE TOWER ASSEMBLY INSTRUCTIONS

Safe use of the tower

The tower is not:

- to be used in, or left exposed to high winds;
- to be used until all castors are locked to prevent movement;
- to be moved while anyone or anything is on it;
- to be erected, used on or moved over excessively sloping, unstable or soft ground (including lightweight covers over penetrations/holes);
- to be clad in anything that could act as a 'wind sail' (e.g. banners, scrim, shrink-wrap, plastic sheeting etc.) unless indoors or with the written consent of a chartered engineer;

and that it is:

- to be kept at least one metre from floor edges and penetrations unless those edges/penetrations are adequately protected;
- rated for a load of;
 - 1,350mm wide Frames (wide)
 - 450kg evenly distributed over each deck level; maximum four levels with a maximum top level height of 8m, or;
 - 225kg evenly distributed over each deck level; maximum seven levels with a maximum top level height of 14m.
 - 800mm wide Frames (narrow)
 - 225kg evenly distributed over each deck level; maximum seven levels with a maximum top level height of 14m.
- to be kept clear from overhead power-lines at all times (consult your local power authority for safe distances);
- only to be erected, modified or dismantled by a competent person (if you are not 100% sure of your competency contact Camelspace Limited for clarification or assistance).

TABLE 1

Component identification

EACH COMPONENT SUPPLIED IS LABELLED WITH ITS PART NUMBER

COMPONENT DESCRIPTION	PART NUMBER
Frame	CFHM150, CHFF250, CFHM800, CHFF800, CFHM3/4
Ledger	CGRB420
Castor	CMCA620
Plan Brace	CPBA755
Diagonal Brace	CACB110
Platform Deck	CPFS435
Access Deck	CPFA465
Outrigger	CORG705

Further important points to consider

The law requires that anyone who erects, alters or dismantles any scaffold from which a person could risk a fall of five metres or more holds the appropriate class of certificate of competence.

Failure to follow these instructions precisely could result in damage to the equipment and/or injury to the erector/dismantler or others.

The hirer will be liable to pay additional charges should the equipment not be returned in the same condition as it was supplied (fair wear and tear excepted) and in a clean and usable condition. For the avoidance of doubt, the presence of paint, concrete and specialist coatings are not fair wear and tear (this list is non-exhaustive).

Camelspace Limited's terms of trade apply; a copy of which has been offered, supplied or both and is always available on request or at www.camelspace.com



TABLE 2

Deck levels

HEIGHT OF TOP DECK LEVEL	INSTALL DECK LEVELS AT:
2m	2m only
2.5m	2.5m only
3m	3m only
3.5m	1.5m and 3.5m only CLDR322 between levels; CLDR318 to ground (hook CLDR318 on only <u>one</u> rung above deck level)
4m	2m and 4m
4.5m	2.5m and 4.5m
5m	3m and 5m (CLDR322 between levels; CLDR323 to ground)

NOTE: TO EASILY CALCULATE THE HEIGHT OF ANY PART OF THE TOWER, NOTE THAT THE DISTANCE BETWEEN HORIZONTAL FRAME MEMBERS WHEN INSTALLED IS 0.5M.

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For more information on the products contained within this brochure or our other services such as scaffolding, event structures, hoists and swinging stages, contact our Auckland Branch.

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ASSEMBLY INSTRUCTIONS

DISMANTLE INSTRUCTIONS ARE AS BELOW IN REVERSE

NOTE: YOUR TOWER MAY DIFFER IN OVERALL HEIGHT AND POSITIONING OF DECK LEVELS TO THAT ILLUSTRATED AND THEREFORE LOOK SLIGHTLY DIFFERENT. HOWEVER, THESE INSTRUCTIONS ARE GENERIC, VALID FOR ALL CONFIGURATIONS AND SHOULD ALWAYS BE FOLLOWED.

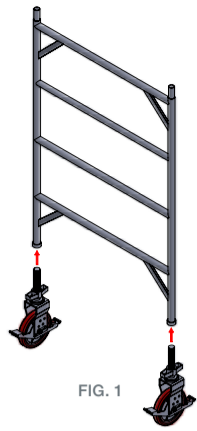


FIG. 1

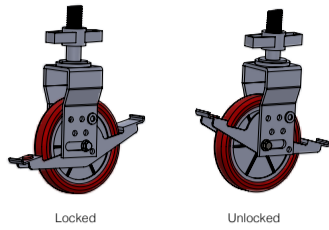


FIG. 2

01 Fit two **Castors** 'up the spout' of a **Frame** (fig.1). **Castors** should be locked (fig.2).

02 Fit a **Ledger** to each of the two vertical **Frame** members; clipping them within the triangles formed by the welded corner braces (fig.3). Make sure the grasp hooks are facing outwards (fig.3A).

Gently resting the other end of the **Ledgers** on the ground (as shown in fig.3) will make assembly easier.

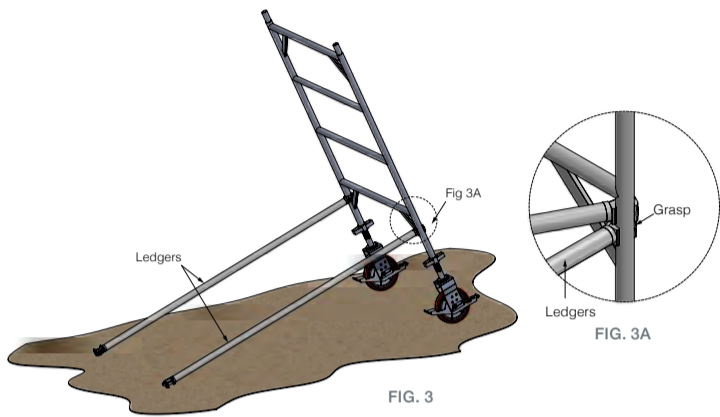


FIG. 3

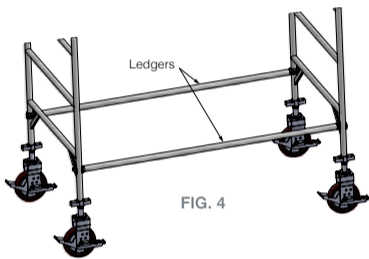


FIG. 4

03 Repeat Step 01 on another **Frame**. Clip the free ends of the **Ledgers** onto the second **Frame** in the same fashion as described in Step 02 (fig.4).

04 Fit a **Plan Brace** diagonally just above the **Ledger** grasps as shown in fig.5.

The grasp should be facing out as shown in fig.5A.

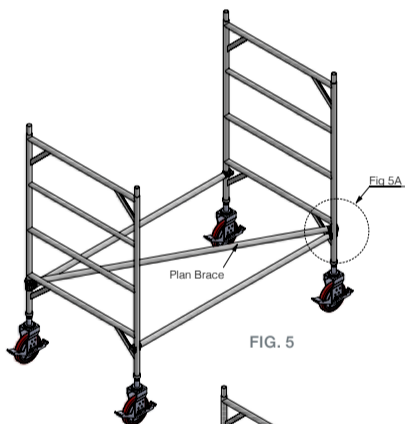


FIG. 5

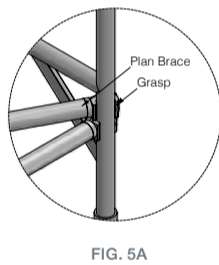


FIG. 5A

05 Fit a **Diagonal Brace** between a bottom horizontal **Frame** member and the third such member on the opposing **Frame**. Then fit another on the opposite side in the opposite direction (fig.6).

Note grasp orientation – fig.6A and 6B.

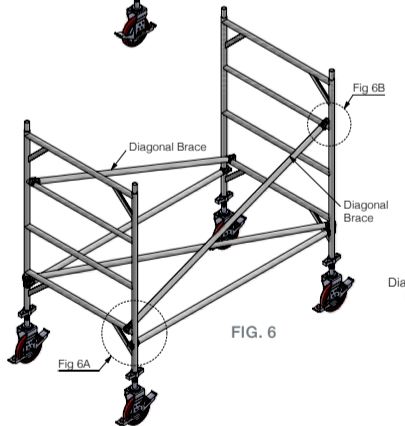


FIG. 6

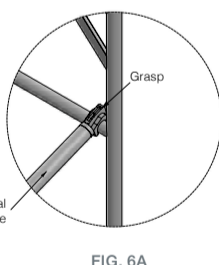


FIG. 6A

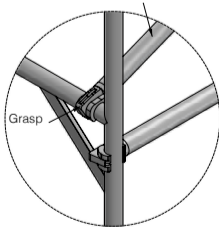


FIG. 6B

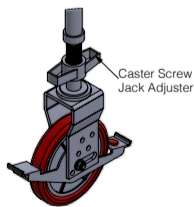


FIG. 7

06 Ensure the unit is level in both planes (front to back, side to side) by adjusting the four **Castor** screw jacks (fig.7).

07 Place the next two **Frames** on the existing **Frame's** spigots (fig.8 and 8A). Add further **Diagonal Braces** carrying on up from those installed in Step 05 in a 'chasing'/'zig zag' pattern on each side and with each side being opposite to the other (fig.9).

NOTE A: IF THESE DIAGONAL BRACES PASS THROUGH A DECK LEVEL, YOU ONLY NEED TO INSTALL A BRACE ON ONE SIDE; OMITTING THE BRACE ON THE OTHER (IT DOESN'T MATTER WHICH SIDE YOU OMIT, PROBABLY BEST TO OMIT FROM THE SIDE YOU WILL BE WORKING FROM MOST TO REDUCE THE LIKELIHOOD OF IT OBSTRUCTING YOUR WORK). NOTE THAT DIAGONAL BRACES THAT COME UP FROM BELOW AND CLIP-ON AT DECK LEVEL ARE TO BE CLIPPED INSIDE THE PLATFORM HOOK WHEREAS BRACES THAT PASS THROUGH DECK LEVEL OR START AT DECK LEVEL AND TRAVEL UPWARD ARE CLIPPED-ON/TRAVEL-UP OUTSIDE THE PLATFORM HOOK AND TOE-BOARD (SEE FIG.9A).

NOTE B: DEPENDING ON THE HEIGHT OF YOUR TOWER SOME OF YOUR FRAMES MAY LOOK SLIGHTLY DIFFERENT TO THOSE ILLUSTRATED. HOWEVER, THIS DOESN'T ALTER THESE ASSEMBLY INSTRUCTIONS.

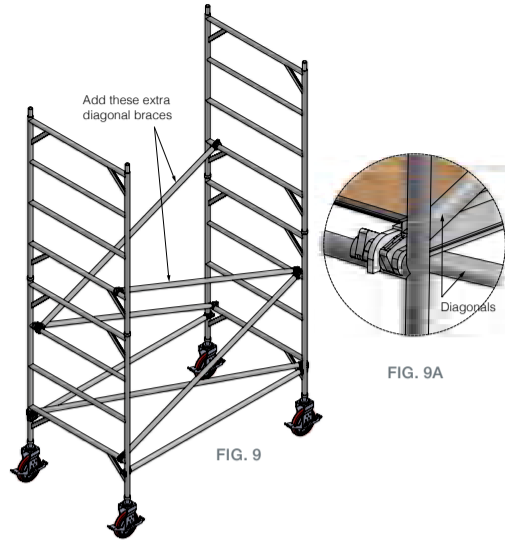


FIG. 9

08 Carry on installing **Frames** and **Diagonal Braces** in this fashion until you reach the height of your first deck level. Take note of Note A in Step 07 with respect to **Braces** at deck level.

09 Install a **Platform Deck** on the horizontal **Frame** member at the height of the first deck level (see Table 2) or elsewhere temporarily to aid with erection (fig.10).

NOTE: IT MAY HELP MAKE ERECTION OF THE UPPER FRAMES OF HIGHER TOWERS EASIER IF YOU INSERT **PLATFORM DECKS** TEMPORARILY AS YOU BUILD; REMOVING THEM PRIOR TO INSTALLING LADDERS (STEP 11). REMEMBER TO INSTALL **DIAGONAL BRACES** WHERE MISSED AFTER REMOVING ANY SUCH TEMPORARY **PLATFORM DECKS**.

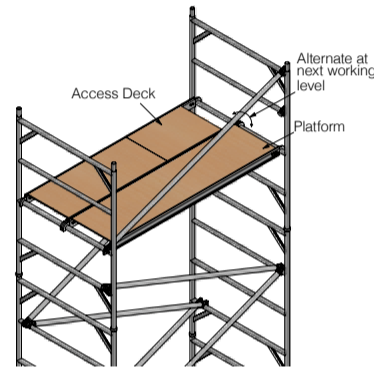


FIG. 10

10 Each permanent **Platform Deck** installed will require an **Access Deck** adjacent to it. If the tower has more than one deck level, alternate (left to right) the **Access Deck** positions between levels. See fig.10.

11 After the installation of each **Access Deck**, fit a ladder two rungs above deck level; ensuring to fold out the ladder support to set the ladder at the correct angle (fig.11). Install **Ledgers** as guardrails on the first and second rungs above all deck levels on both sides. **For safety reasons, do this as you build.** These guardrails go inside of any **Diagonal Brace**. See fig.10.

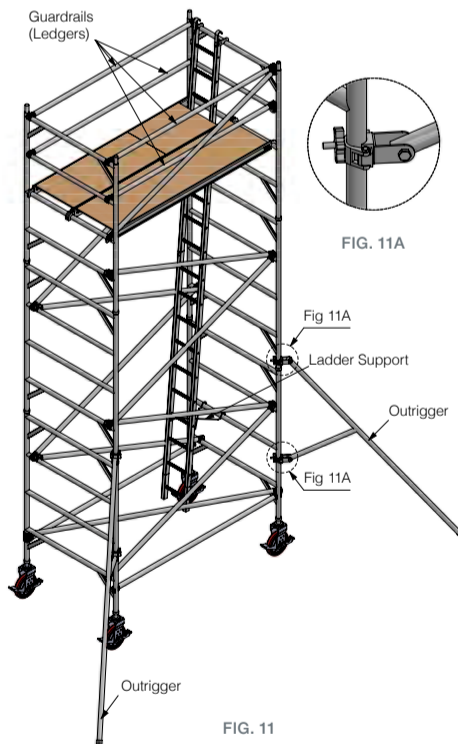


FIG. 11

12 Continue to install **Frames, Diagonal Braces, Ledgers** (as guardrails), **Platform** and **Access Decks** in this manner until the intended tower height is reached with all required deck levels (see Table 2).

NOTE: IF THE TOTAL HEIGHT OF THE TOWER PROVIDED IS 5.5M OR GREATER, OR IT'S A NARROW TOWER, **OUTRIGGERS** WILL BE SUPPLIED. **OUTRIGGERS** ARE TO BE FITTED AS SOON AS THE TOWER IS HIGH ENOUGH TO DO SO. SEE FIG.11 AND 11A FOR AN EXAMPLE INSTALLATION. IF THE TOWER IS UP AGAINST A WALL, ONLY TWO **OUTRIGGERS** ARE REQUIRED (AS IN FIG.11). IF IT IS FREESTANDING, AN **OUTRIGGER** WILL BE REQUIRED ON EACH OF THE FOUR CORNERS OF THE TOWER.

13 Install toe-boards supplied at each deck level; short ones first, then long ones on top. See fig.12 steps 1 and 2.

14 You're finished! The example illustration overleaf is a completed 5m tower with multiple deck levels (outriggers omitted for clarity).

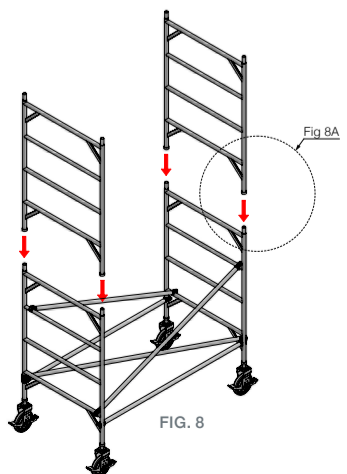


FIG. 8

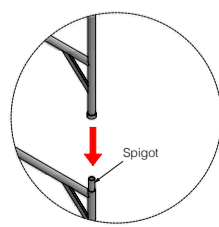
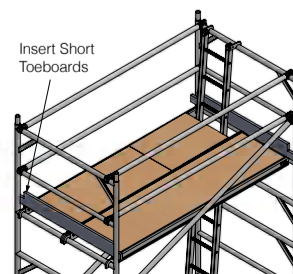
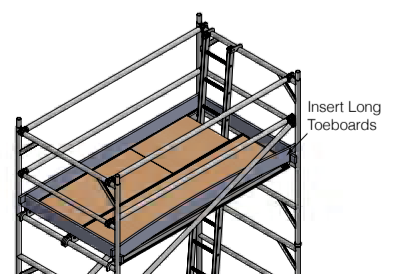


FIG. 8A



STEP 1



STEP 2