



Workhorse Assembly and Use Manual



Risk of injury or death.

Instructions contained in this manual must be read and understood by all persons who assemble, use, dismantle, or work on Workhorse scaffolding.

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General Safety Guidelines

Non-Stop Workhorse Scaffolding meets or exceeds applicable OSHA and ANSI standards for the design and construction of steel scaffolding for masonry construction. The erection and use of Non-Stop scaffolding to comply with OSHA and other applicable safety codes is the sole responsibility of the contractor.

It is the responsibility of all users to read and comply with the following common sense guidelines which are designed to promote safety in the erecting, dismantling, and use of Non-Stop scaffolding. These guidelines do not purport to be all-inclusive nor to supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. If these guidelines in any way conflict with any state, local, federal, or other government statute or regulation, contact Non-Stop Scaffolding for advice.

1. Survey the job site for hazards, such as untamped earth fills, ditches, debris, high voltage electrical wires, unguarded openings, and other hazardous conditions. All hazardous conditions should be corrected.

2. Inspect all equipment before use. Never use any equipment that is damaged or defective. Do not allow anyone other than Non-Stop Scaffolding to alter or repair any component.

3. Components manufactured by other companies must not be intermixed with Non-Stop scaffolding.

4. Scaffolds must be erected and used according to assembly, use, and safety manual. Manuals must be kept on the job site.

5. Do not erect, use, or dismantle a scaffold unless under the supervision of a competent person authorized to halt work if a problem arises.

6. Erected scaffolds should be continually inspected by users to be sure that they are maintained and planked in safe condition. Report any unsafe condition to your supervisor. Never take chances! If in doubt regarding the safety or the use of the scaffold, consult Non- Stop Scaffolding.

7. Do not erect or dismantle scaffolding when other crafts are working directly above or below the area where you must perform your work.

8. Never use equipment for purposes or in ways it was not intended.

9. Do not work on scaffolds if your physical condition is such that you feel dizzy or unsteady in any way.

10. Do not attempt to enclose Workhorse for cold weather work.

11. Do not overload the scaffold. Follow Non-Stop's safe working load recommendations.

12. Do not jump onto planks or platforms.

13. Do not use ladders or makeshift devices on top of working platforms to increase the height.

DISMANTLING:

14. Check to be sure that the scaffolding has not been altered in any way that would make it unsafe. If so, correct the problem before dismantling. This includes all scaffold ties.

15. Inspect planks before dismantling to be sure they are safe to work on.

16. Consideration must be given as to the effect removal of a component will have on the rest of the scaffold prior to that component's removal.

17. Do not accumulate excess scaffold components or equipment on the scaffold as it is dismantled.

18. Lower dismantled components in an orderly manner. Do not throw off of scaffold. Do not abuse or misuse the scaffold equipment.

19. Dismantled equipment should be stockpiled in an orderly manner.



SAFE PLANKING IS THE USER'S RESPONSIBILITY. Check planks continuously, especially after jacking, to insure plank ends extend at least 6 inches past the center of their supports.

COMPONENT PARTS

The Workhorse System uses very few component parts, many of which are used in other Non-Stop systems.

1. Base Tower.

2. Extension Tower. Used to extend the height of the Base Tower. Extensions bolt to each other, and to the top of the Base Tower.

3. Laborers Bracket. Manually placed on the tower at any convenient height for the laborers to tend the masons.

4. Elevating Carriage. Carries the masons walkboards and workbench up the tower. It is jacked up the tower in 1³/₄" increments. They are made in left- and right-hand configurations to go by the x-braces as the scaffold is jacked up. The left-hand side (as viewed from behind) has red markings on it.

5. Jack Handle. Movable from tower to tower to jack the Elevating Carriage up the tower.

6. Cut-Board. Special scaffold planks cut 80¹/₂ inches long. Used between towers on the masons workbench and the Laborers Bracket.

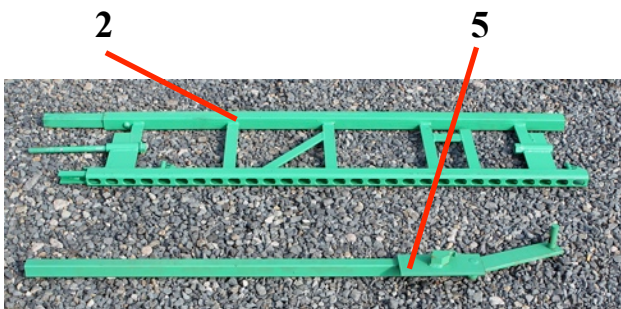
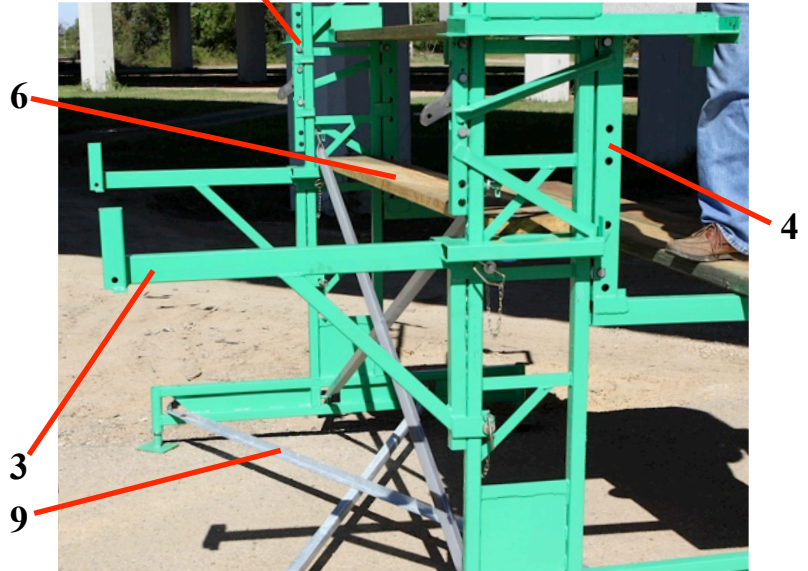
7. Masons End Guardrail. Blocks off the end of the scaffold on the masons' side. Same part used on Standard-Duty scaffold.

8. Laborers End Guardrail. Blocks off the end of the scaffold on the laborers' side. It is the same as a standard guardrail post but with the three "flag" parts welded on. Same part used on Standard-Duty scaffold.

9. X-Brace. Same brace used on all Non-Stop systems. 3'-6" x 7'-0"

10. Straight Brace (not shown). Round tube, 7 feet long, flattened on each end, with a hole on each end.

Left-hand carriage



1. Erect the scaffold on a firm foundation according to OSHA standards. Use base plates or leveling jacks as required.

Connect two base towers with carriages using x-braces. This makes a tower. You must use a left and right carriage in order for the platform to go up without removing the braces. In Photo 1, the right carriage is the closest one.

2. Connect towers together with straight braces and continue down the length of the wall. You must use the straight braces between towers to set the proper spacing for the cut boards.

3. Use the jack handle to jack the scaffold up as necessary to keep the wall waist-high to the mason. It is good practice to jack every 5 courses of brick and every 2 courses of block. Do not jack one leg more than four notches out of level with the one beside it. The jack handle can be inserted in four different points for convenience. See Photo 2.

4. Mortar boards and materials are placed on the masons workbench. Do not land more than 1000 pounds per 7-foot bay on the workbench. In all cases, never exceed the maximum allowable load on the planks.

5. Install the laborers bracket when you need it. You can place three 16-foot scaffold planks and one 80½ inch cut-board on it. Do not land more than 2500 pounds per 7-foot bay on the laborers bracket. In all cases, never exceed the maximum allowable load on the planks.

Photo 1

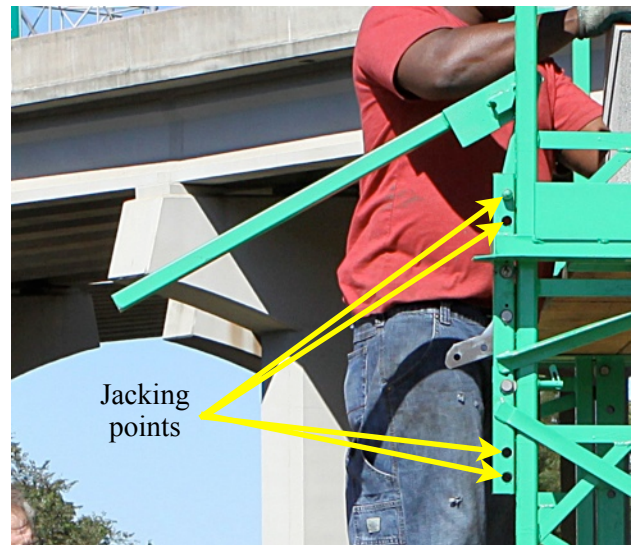


Photo 2. Four jacking positions.



Connect towers together with straight braces to maintain the proper spacing for cut-boards.



Do not jack the legs more than four notches out of level with the one beside it. Doing so can cause the cut-boards to fall out and possibly cause injury.



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4. Add extension towers as necessary. Tighten the bolt snugly. **DO NOT OVER-TIGHTEN**. Do not exceed a tower height of 25 feet. Towers must be tied to the wall when either work platform exceeds 20 feet in height. Tie legs to the wall with the Non-Stop Wall Tie-In Bracket or #9 wire. Tie every 14 feet horizontally.

5. Install guardrail posts, guardrails, and end guardrail panels when either platform reaches 10 feet high, or before, if local codes require. Do not use guardrails over 9 feet long. Install toe boards if required.

6. Remove all men and materials before lowering the scaffold. Lower the scaffold by pushing up on the holding dog. The carriage will lower 1³/₄ inches per notch. Do not lower one leg more than 4 notches below the one beside it. You can lower it from the ground by using a 2x4 or similar object to bump the holding dog. See photo at right.



*Photo for illustrative purposes only. **DO NOT** attempt to lower the scaffold with men or materials on the scaffold.*



DO NOT OVER-TIGHTEN extension bolts. You may deform the tower.
DO NOT exceed a tower height of 25 feet.



Tie legs to the wall with the Non-Stop Wall Tie-In Bracket or #9 wire when either platform exceed 25 feet of height. Tie every 14 feet horizontally.



Remove all men and materials before lowering the scaffold.



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If any questions arise, contact Non-Stop immediately at 318-222-0702 or 1-800-845-0845.

Additional manuals are available free from Non-Stop or can be downloaded from nonstopscaffolding.com