2x4 PHS (Portable Hammock Stand), Original Design by TrailH4x
DIY Instructions

Material List:
• (4) 6’ x 2”x4”, Bottom Frame and Upright Beams
• (4) 4’ x 2”x4”, Upright Braces and Ground Outriggers
• (4) 4” x 2”x4”, Spacer Blocks
• (4) 1” x 1”x4”, Upright Brace Stabbing Guide
• (10) 1/4” steel bolts with nuts and washers. > 7” in length, cut to size
• (2) 6”x1/4” eyebolts (Suspension Tie offs on Uprights)
• (50”) 550 cord, guy lines
Pre-assembly, Bottom Frame

Lay (2) 6’ 2x4’s on top of each other and drill holes for uprights and support beams.

- Upright hole is 1.5” from end.
- Support Beam hole is 22.5” from upright hole.

Pre-assembly, Upright Beams and Upright Braces

- On (2) 6’ 2x4’s, measure 1.5” from one end and drill hole.
- On (2) 4’ 2x4’s measure 1.5” from one end and drill hole.

Pre-Assembly, Spacers

- On (4) 4” 2x4’s, measure 2” from one end and drill hole.
Assembly Part 1

- Lay Bottom Frame beams centered on top of (2) 4’ 2x4 Ground Outriggers. Do not affix frame beams to outriggers at this time. Use the Outriggers as a platform during assembly.

1.5”

22.5”

Assembly Part 2

- Add Upright Beams and spacer blocks and loosely secure with bolts, nuts and washers. Offset each end.
Assembly Part 3

- Add Upright Bracer and spacer blocks and loosely secure with bolts, nuts and washers. Offset with matching Upright beams.
Assembly Part 4

- Using extra 2x4 material as a brace, support the uprights in position until there is about 12.4" between each anchor point. The top most point of the upright will be about 60" in height from the floor. The Uprights should come out to an angle of about 60 degrees.
- The Upright Bracers should be loose enough that it may be placed to the side of the upright. Use the Bracer as a guide to mark the Upright at about 40” to 40.5” from the top, at a depth of 1” to 1.5” to outline the notch where the Bracer beam will intersect the Upright.
- Do the same for both sides, then cut the notch out and re-brace using the extra 2x4 material.
Assembly Part 5

- While the Upright and Upright Bracer beams are braced, affix stabbing guides to sides with C-Clamps or other means.
- Ensure that there is ample spacing to affix the stabbing guides to the support beams and affix the stabbing guides to the Bracers using 1.5” or 2” exterior wood screws.
- Ensure that the Upright Bracer beam has a snug fit into notch of Upright beam.
- Drill hole through stabbing guides and Upright beam for support bolt.
- Insert bolts and remove bracer blocks.

Note: It is possible to assemble this stand without the support bolts. The tension from the hammock suspension will apply enough force against the Bracer beams to maintain the shape.
Assembly Part 6

- Reposition Outriggers to be centered at about 10" from either end. This should measure roughly 20.75" from each Outrigger end to the frame...give or take an 8th of an inch.
- Drill (4) bolt holes through Bottom Frame into Outriggers. (If you can drill through both, skip the next step.)
- If your drill bit is only the standard size, you’ll need to remove the outrigger and complete the hole by drilling straight through the outrigger. Reposition outrigger under the frame and continue.
- Run bolt up through outrigger then frame and secure tightly with washer and nut.
- Tighten remaining bolts and nuts for Upright and Bracer beams to “just tight.” Over-tightening these bolts will make collapsing the unit difficult.
Final Touches
- Add “O” bolts to Uprights where hammock suspension points will be needed.
- Support feet may be added to Outriggers ~ 4” to 6” from each end.
- Round corners as desired.
- Cut off excessive bolt lengths, but be sure to do this after the nut and washers are affixed.