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PORTABLE SIMUNITIONS SHOOT HOUSE (PSSH) Generic QUICK START Erection Instructions

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The erection/assembly of this training system is incredibly simple and intuitive. **Almost** all the tools necessary have been provided, so there is nothing else you will need to start the assembly/erection sequence.

Included in the package are;

- 4' wide wall panels
- 2' wide wall panels
- 4' wide doors (both rights and lefts)
- Short steel angles for 90 degree corners
- Medium angles for 3 way panel intersections
- Sometimes "long" angles for unique corner connections
 - o NOTE: The "long" angles are sometimes used to make the rooms more square or for unique circumstances.
- ½" diameter x 4" long bolts with threads all the way to the head
- ½" nuts
- Battery powered impact wrenches with extra batteries and battery chargers
- Deep sockets
- End wrenches sized for the ½" bolts
- Quick connect compression clamps to hold the overhead diagonal bracing in place
 - o NOTE: We have not included flat or lock washers because ALL of the connections will have the head and the nut on a piece of steel. These are not designed or intended to be permanent connection so there is no reason to tighten it down super tight. As there will be virtually no vibration to the structure, there is no argument for the use of lock washers. We included the impact wrenches **ONLY** for the speed of assembly/disassembly. **PANELS CAN BE DESTROYED BY OVERTIGHTENING!** **OVER TIGHTENING DAMAGE/DESTRUCTION IS NOT COVERED BY THE WARRANTY.**

The only tool not supplied that would be helpful during the initial set up is a battery powered screw driver. This will only ever be needed ONCE, to install the door knobs. We do not install the door knobs due to the possibility of damage during packaging and shipping.

Right hand and left hand doors are included, in accordance with the original floor plan. Doors are easily identified in this manner: When you are looking at a door and you can see the hinges, if the hinges are on the right side of the door, it is a RIGHT HAND door. If you see the

hinges on the left side of the door, it is a LEFT HAND door. The doors are held “shut” with a single long screw through the door knob hole. It will be easy to knock it loose if care is not taken prior to the installation of the door knobs.

All of the components will be interchangeable with all the other components, and there is one size of bolt.

Initially, it will be best if you have at least three people to help. The panels are not heavy and two people can easily handle them, but getting started will be much easier if 3 or more people are involved. The panels are bulky and NOT easy to move after they are assembled to other panels.

1. Using PSSH floorplan drawings lay out and mark the outside walls of the structure using a string line and spray paint. This will give you a good idea on size and location in case it needs to be moved before the entire house is erected.
2. Locate and identify the one “corner angle” and two panels that will connect to make a CORNER, closest to where you are beginning. The reason for starting with a corner connection is that it will be self-supporting and will not tip over after the two pieces are securely connected.
3. Move the first panel into place and have one person hold it vertically while the other two people move the second panel into place.
4. With one person holding panel one and one person holding panel two, the third person holds the steel connecting angle and inserts bolts through the holes.
5. The people holding the panels can start the nuts and then use the impact wrenches provided to tighten the nuts. The person on the outside will need to use the provided wrench to hold the bolt heads. Again, DO NOT OVERTIGHTEN THE NUTS AND BOLTS.
6. From there, add more panels and repeat the bolt/nut insertion and tightening sequence.
 - a. NOTE: We recommend NOT putting any more than four (4) panels together in a straight run without a corner panel or temporary bracing as the straight run could tip over.
7. Install door knobs as the panels are erected to ease movement through the structure.
8. Before the facility is used, install the overhead corner braces. The sketch indicates the initial location of the braces.
 - a. NOTE: As you change the floor plan the location of the diagonal braces will change also. Each corner brace is comprised of a 2 x 4 with a grip clamp at each end. The 2 x 4 simply rests on the top of the wall panels, and the clamps will clamp the 2 x 4 to the top horizontal member of the all (or door) panel. Be sure the clamps are bearing on flat surfaces above and below. Destruction of the clamps is not covered under the warranty.
 - b. In some locations, the diagonal braces will NOT be diagonal. They will simply be across the top of a long hallway, to add stability to long straight walls. In this case (especially if the long wall has no “corners” on it, you will need to install the overhead braces as you assemble the wall sections.

The modularity of this system is one of the features that make it versatile and effective. If you need additional components to enlarge your structure or dramatically change the floor plan, we just need to know which ones. This applies to the bolts and other hardware as well.

We do appreciate your business!!