

Assembly Instructions for Multi Level Shelter

1. Measure and cut all pieces from 1/2in plywood and 2x4. It might be helpful to label the parts to avoid any confusion later.
2. Use 1 1/4in exterior screws to attach back panel to the 2x4 legs making sure that the top of the legs are level with the top of the back panel. Also make sure that the legs are oriented so they will fit into the notches cut into bottom and middle floor panels. The side of the back panel should be flush with the side of the legs.
3. Attach the side panels to the legs so they cover the legs and edge of the back panel. It should be flush with the backside. Be sure the entrance holes are positioned to allow access to the top and bottom level. If both holes are towards the front it will offer more protection from wind.
4. Attach the two remaining legs to the front inside of the side panels. Set them back 1/2in to leave room to set the front panel in. However do not attach the front panel at this time.
5. Stand shelter up on its legs and measure up, from the center, one foot from the bottom of the panels. Mark both the inside and out side.
6. Take the bottom floor panel and attach it to the bottom of the shelter making sure that it is flush with and inside of the side and back panels. Attach it by screwing through the side panels and into the floor. Do this all around the edge
7. Place the windbreak panel flush with the side of the lower entrance. It should be placed so it is 11.5" tall. It should also be at the same height as the mark you made on the side.
8. Attach the windbreak to the bottom floor and side panel.
9. Take the middle floor panel and place it inside the shelter on top of the windbreak. It should be level with the bottom of the top entrance.
10. Attach the middle floor panel to the sides in the same way as the bottom floor panel. Use the marks made on the outside as a guide for the screws. You can use the other windbreak as a prop to hold up the floor as you attach it.
11. Attach the second windbreak flush with the side of the top entrance.
12. Place the roof sheet so the overhanging sides are over the entrances.
13. Screw the roof down to the main shelter.
14. Place the shelter on its back. This will make attaching the door and hardware easier.
15. Place the door on and place and attach the hinges and barrel bolt latch to the door and side.
16. Cut the rigid insulation to fit on the inside of the shelter walls and roof. It should sit between the walls and 2x4 supports. Use a saw or utility knife to cut it. You can use glue or screws to attach insulation.
17. Paint the shelter to protect it.