

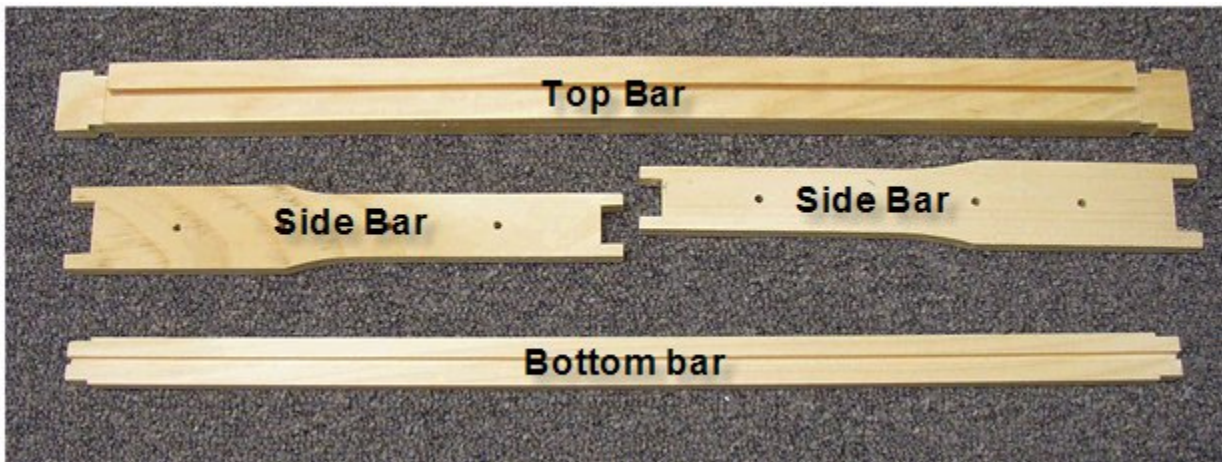
Directions for Building Frames

<http://www.essexcountybeekeepers.org/>

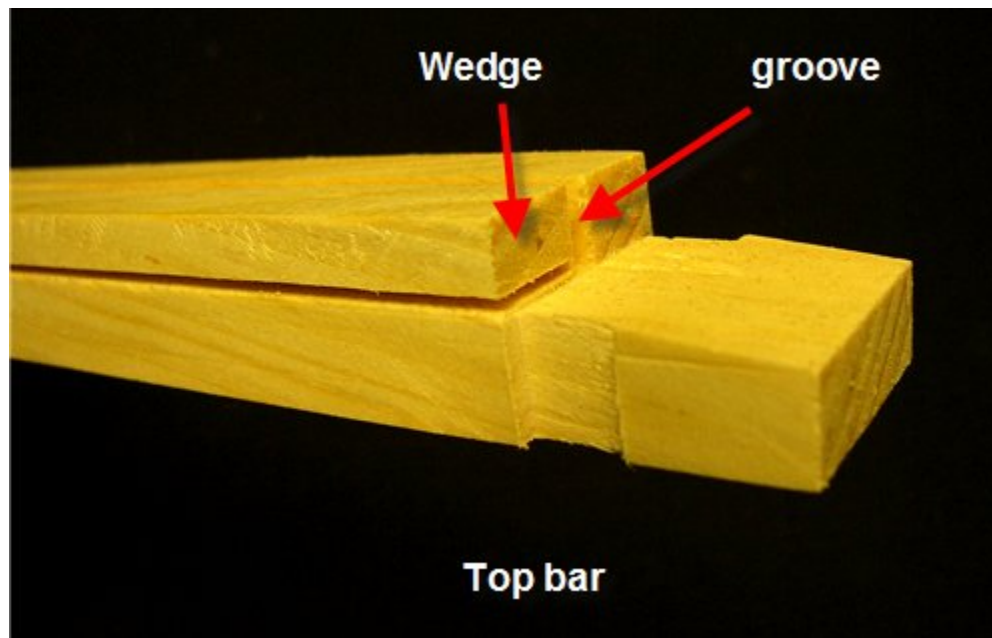
Divide the process into three phases, Building the frame, [wiring the frame](#) and [installing foundation](#).

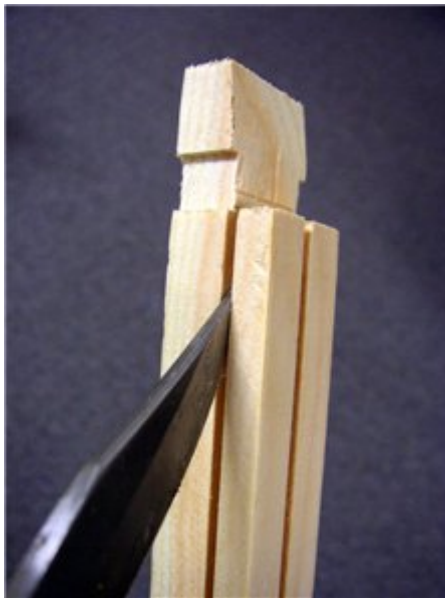
Building the frame

- 1 Top bar
- 2 end bars
- 1 grooved bottom bar
- 4 nails 1 1/8" (we'll call these large nails)
- 4 nails 1" (we'll call these medium nails)
- Some exterior wood glue like TiteBond II or TiteBond III



1. Notice the Top bar has a piece of wood that can easily be sliced off. This is called a “wedge”. The wedge should be neatly cut off with a sharp knife and set aside for use later on. Remove any rough edges or splinters.





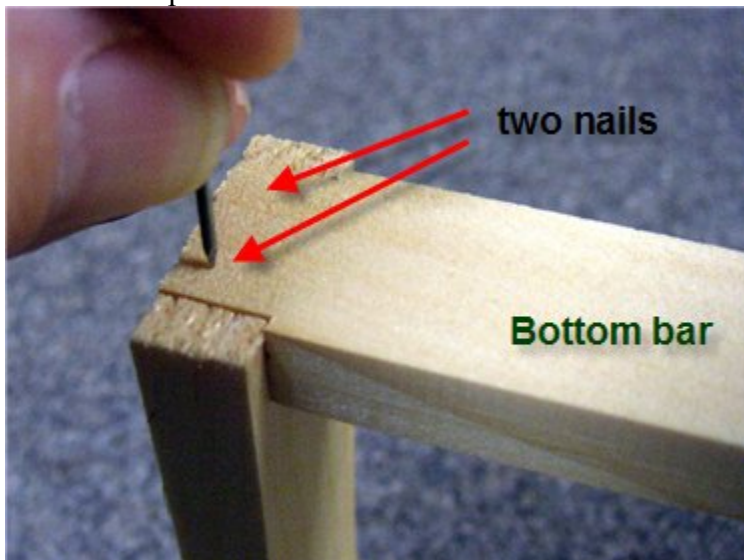
2. Place the top bar on your work surface with the flat side facing down on the table.

3. Pre-glue the mating surface and press the wider end of the two side bars onto the top bar.

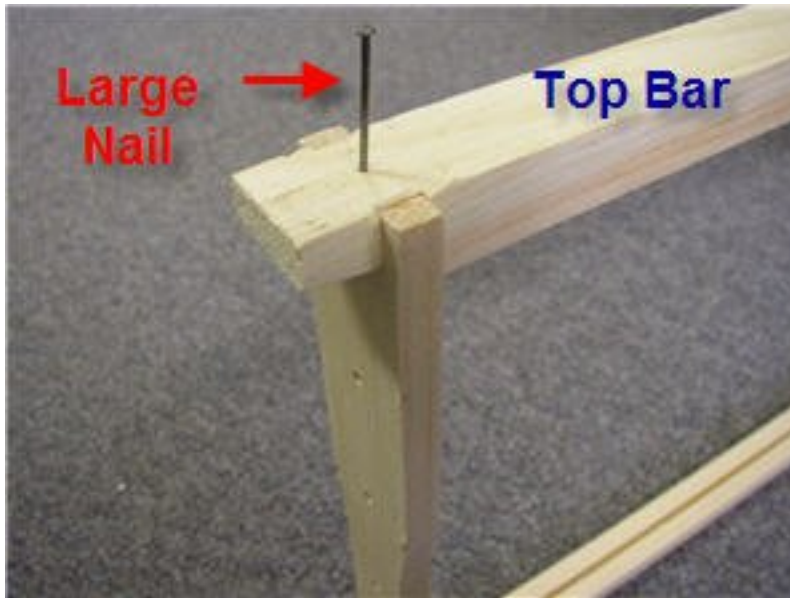


4. Also pre-glue and snap the bottom bar into slots of the narrow end of the side bars. At this point both grooves in the top and bottom bar should be facing in toward the center of the frame.

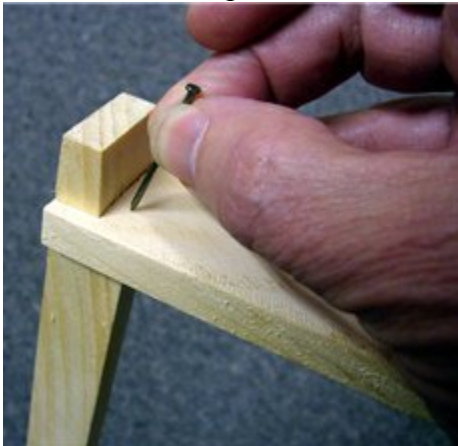
5. Nail the bottom bar in place using two 1" (medium) nails on each end. These nails are driven through the bottom bar up into the side bars.



6. Turn the frame over so the top bar is on top and drive one 1-1/4" (large) nail down through the top into the side bar.



7. Now for each end, drive one more large nail through the side bar into the top bar (not the wedge which was removed, but the part that was NOT removed). This is an important nail, so don't skip it.



8. Using a square make sure the frame is square all the way around and lays flat (not warped) on a table. If it is not square and flat, flex and bend the frame into square before the glue dries.
9. When you are sure the frame is square and flat, set it aside and allow the glue to dry. Then go on to [wiring the frame](#).