



BUZZBEE

# BUZZBEE LANGSTROTH HIVE

8 AND 10 FRAME SIZES

## Product Assembly Manual

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Version 2.1



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# 1. GENERAL PRECAUTIONS.

**B**eekeeping needs a specialist skills, carries intrinsic dangers and is often subject to regulation.

Honeybees are wild insects. Highly organised, endlessly fascinating, and to be treated with care, respect and caution at all times.

**G**et Educated: If you are new to beekeeping there are a number of skills that you need to gain in order to safely and successfully keep bees. We strongly recommend taking a beekeeping course before you put bees in your hive. We also encourage you to keep learning: take advanced courses, join your local beekeepers' association, and meet and network with other beekeepers.

**F**ollow the Rules: Regulations and guidelines for keeping bees vary greatly. Check with your local council, local and state primary industries and agriculture authorities, and link up with your nearest beekeepers' association to find out what is required in your jurisdiction. Some authorities forbid or limit beekeeping or require hives to be registered.

**U**nderstand the Risks: Bees can sting humans, pets and other animals. Make sure you understand the risks and take precautions. See 'Safety Precautions' for further information.

Information in this manual is a general guide only, is not exhaustive, and may not be applicable to your circumstances. For specific assistance, seek advice from your local authority, a professional service or your nearest beekeepers' association.

**T**ake Responsibility: We are a worldwide community of beekeepers. To succeed, each one of us must act responsibly to keep our bees, and the humans and pets around them, safe, happy and healthy. If you have neighbours, it's especially important to consider and inform them.

**A**dditional Resources: [www.buzzbee.com.au](http://www.buzzbee.com.au) doesn't have all the answers, but it's a great place to start looking.

## 2. SAFETY PRECAUTIONS.

All beekeepers get stung at some point. Before you begin beekeeping you should read the Accredited First Aid Beekeeping information in the link shown.

This will help you understand the safety precautions and first aid responses in relation to:

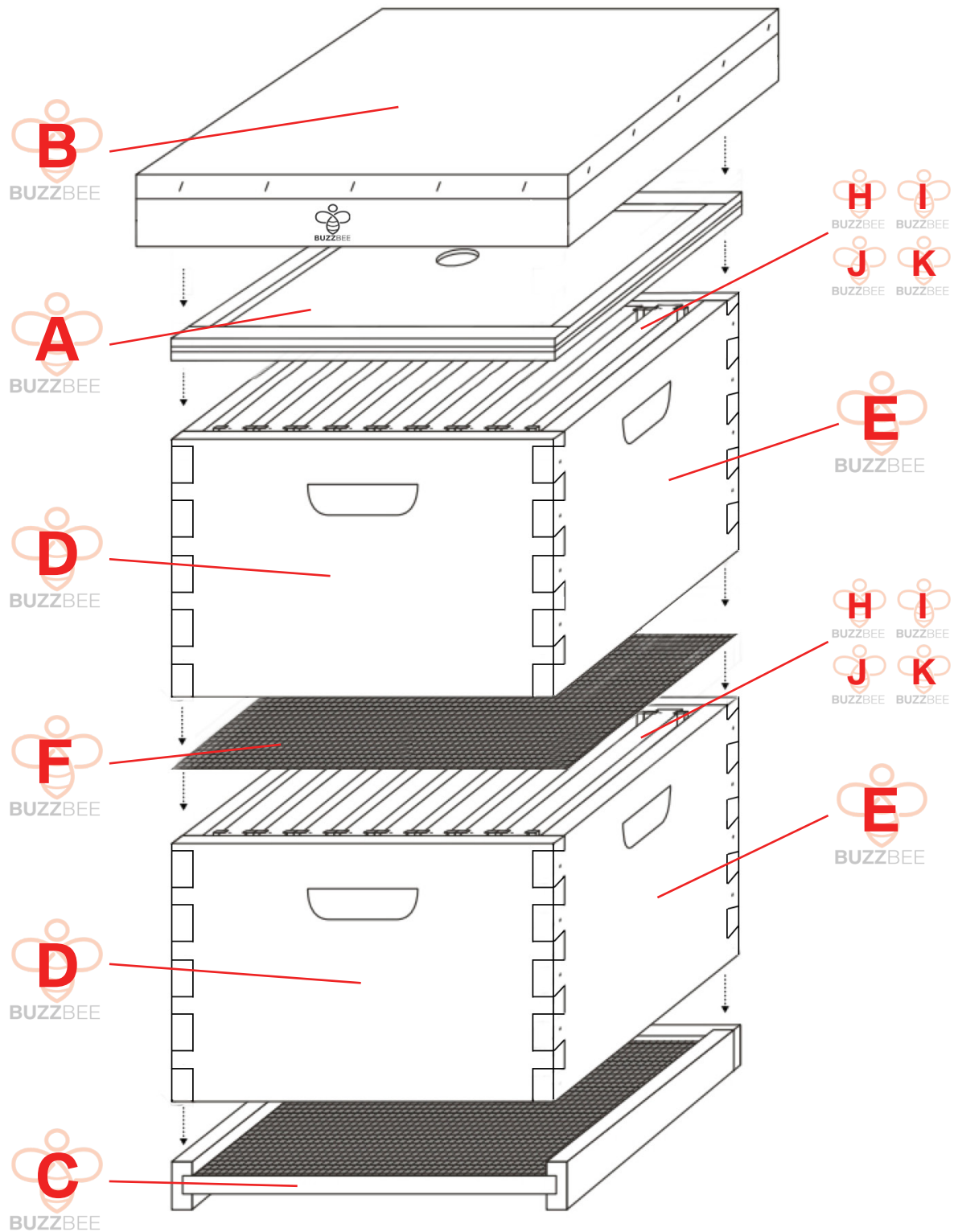
1. bee stings,
2. the safe use of smokers, and
3. safe lifting

We recommend you wear a protective beekeeping suit, gloves and use a smoker whenever you are working with your bees.



For information on dealing with bee stings and bee sting first aid see <https://www.betterhealth.vic.gov.au/health/healthyliving/bites-and-stings-first-aid>

# THE BUZZBEE LANGSTROTH BEE HIVE.



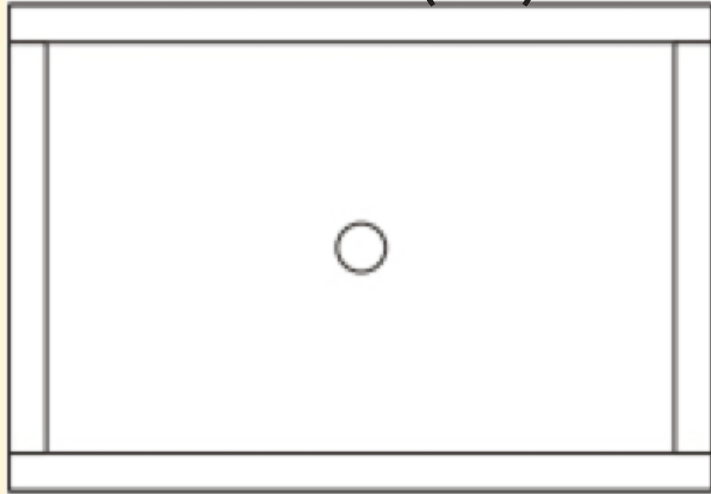
# WHAT COMES IN THE KIT?

The Buzzbee Langstroth Beehive kit is comprised of many parts that form both the outside and inside of the hive.

## EXTERNAL PARTS.



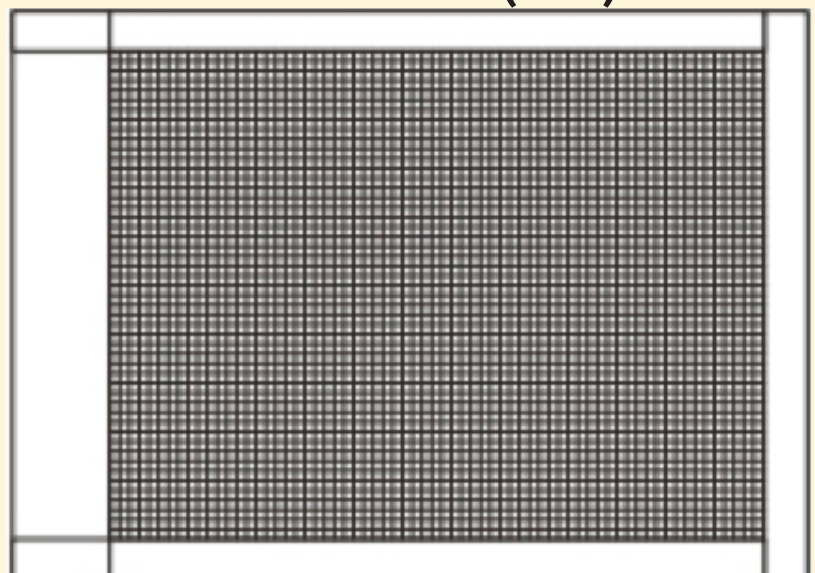
### Inner Cover (1x)



### Telescopic Outer Cover (1x)



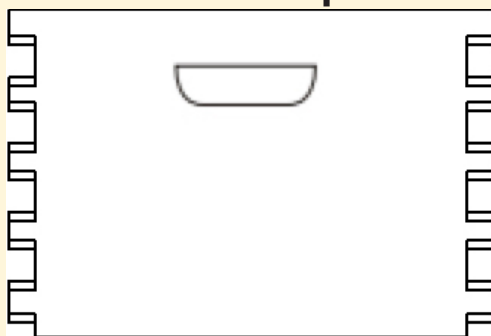
### Bottom Board (1x)



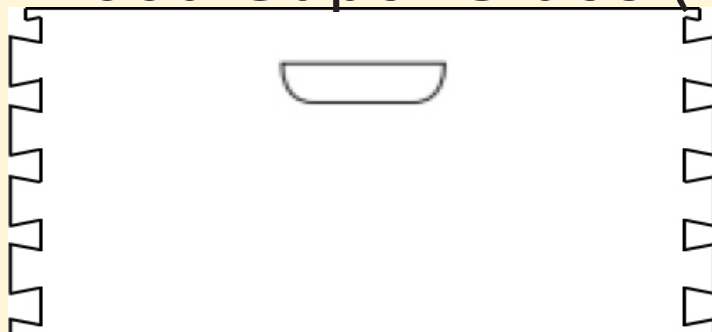
## EXTERNAL PARTS.



### Brood/Super Front&Back (4x)



### Brood/Super Sides (4x)

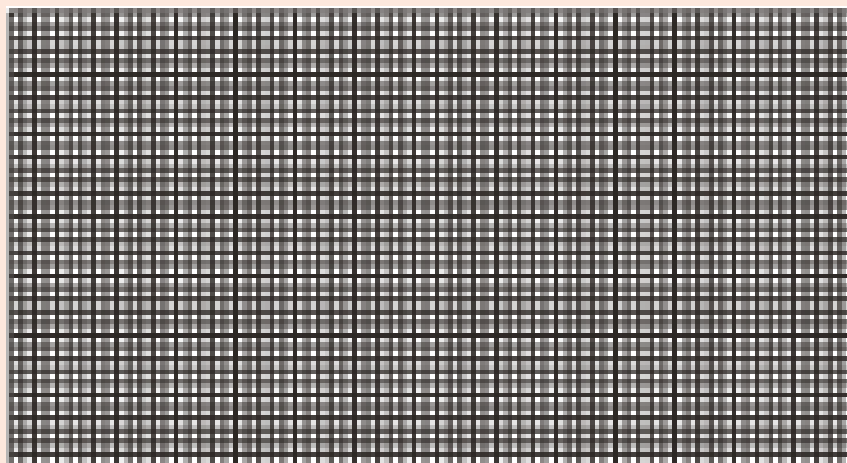


### Nails/Screws (Pack)

## INTERNAL PARTS.

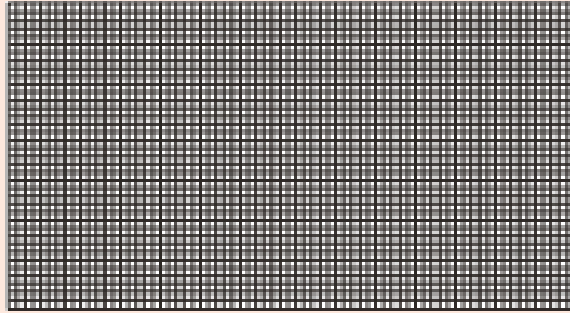


### Queen Excluder (1x)



# FRAMES (OPTIONAL EXTRA)

## Foundation Sheets (16x/20x)



## Frame Top Bar (16x/20x)



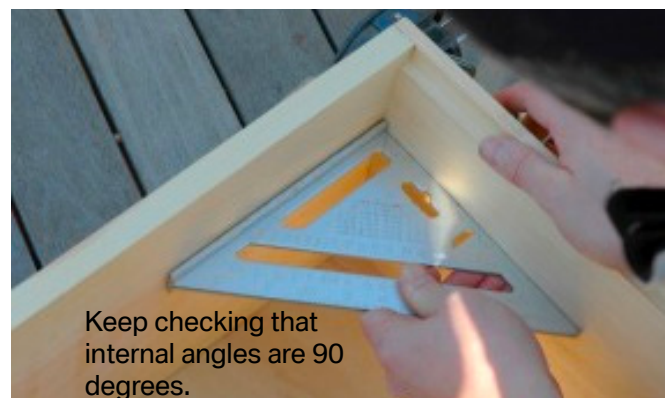
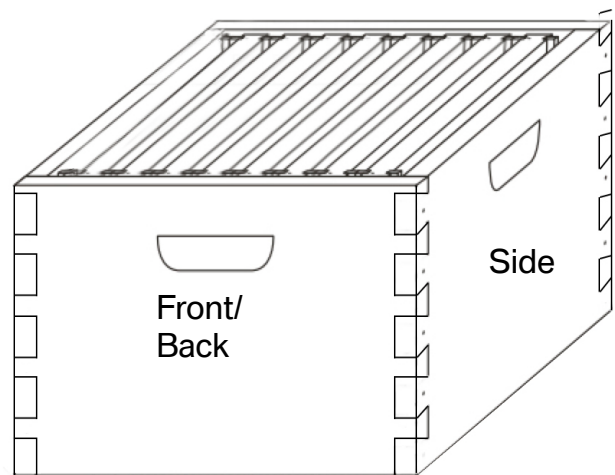
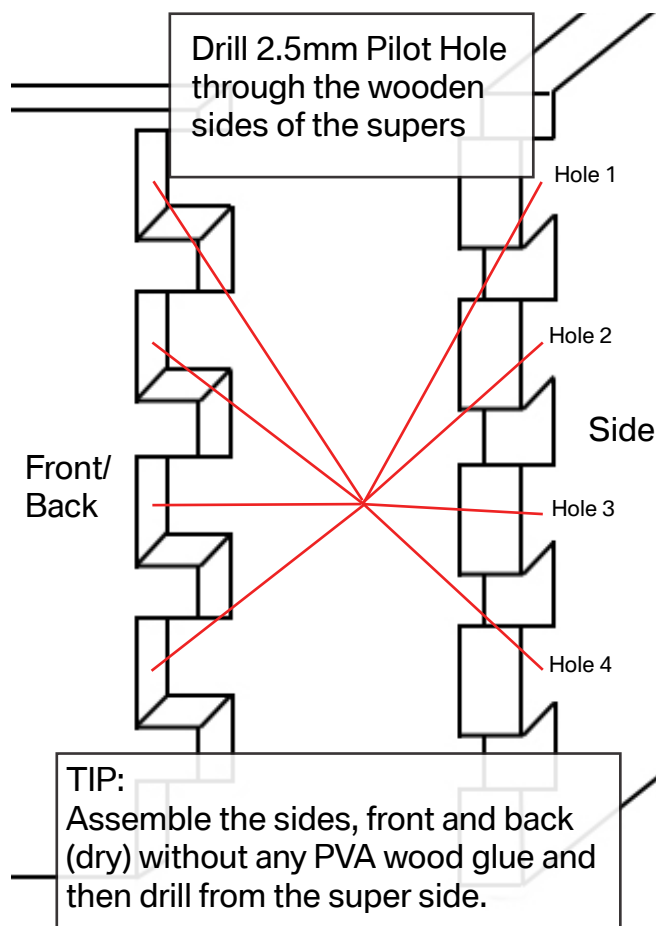
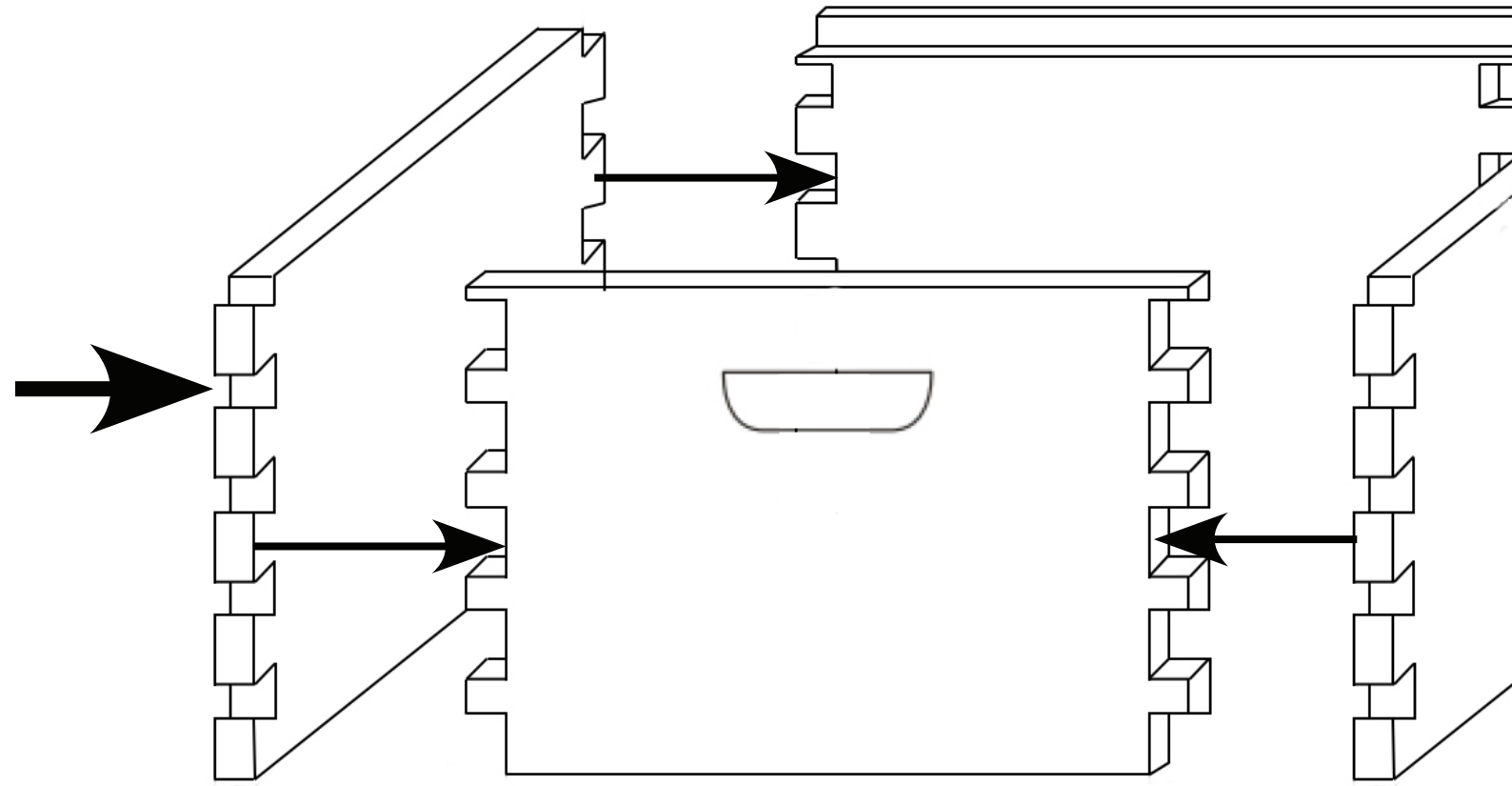
## Frame Bottom Bar (16x/20x)

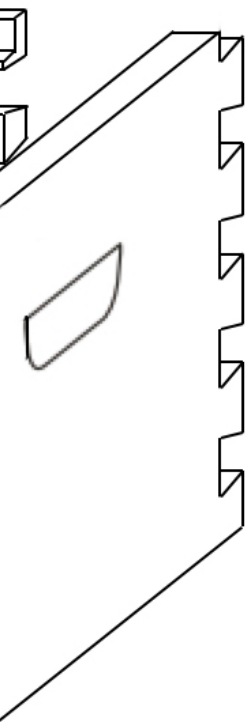


## Frame Side Bars (32x/40x)



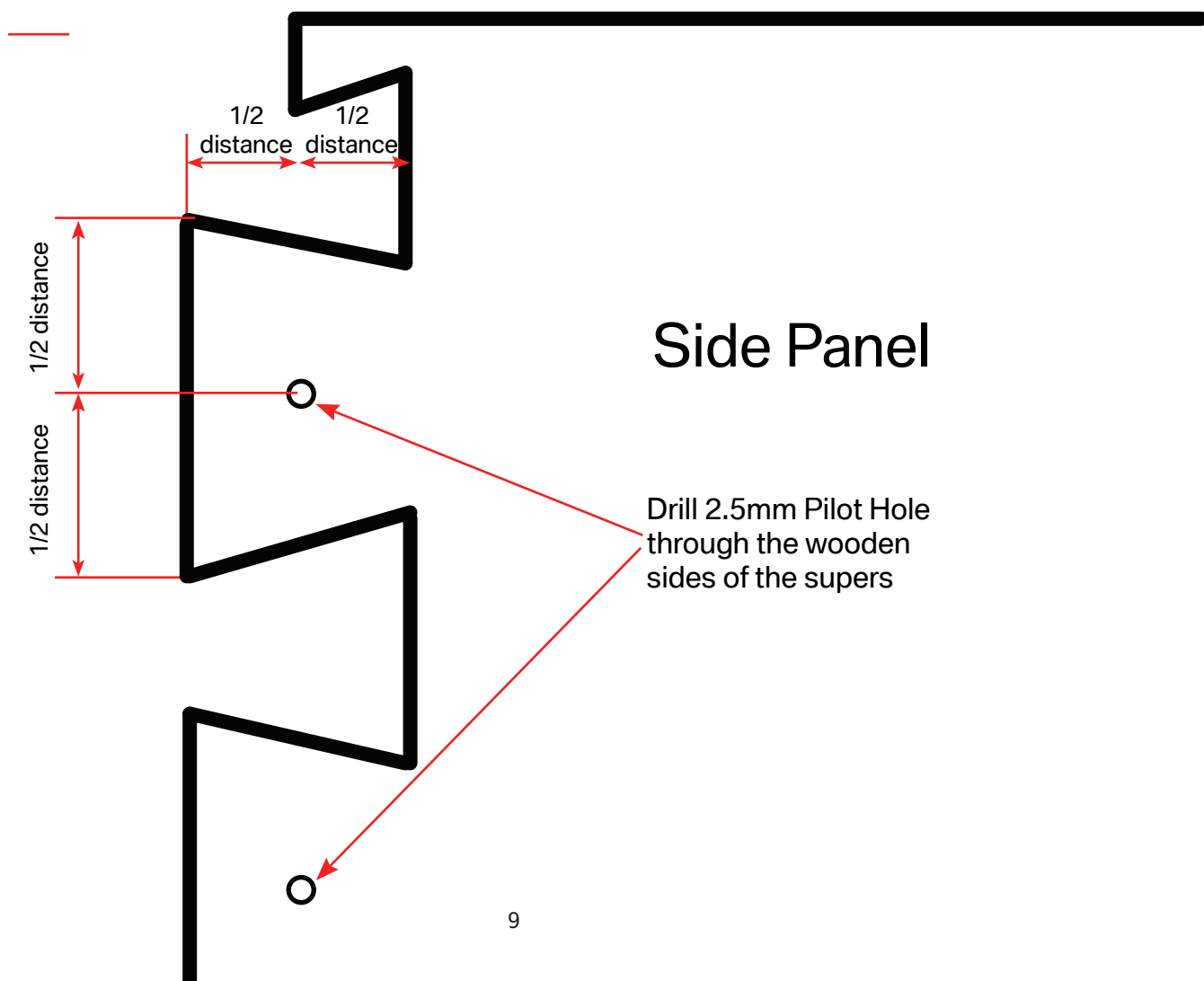
# ASSEMBLING THE SUPER BOXES.





1. Dry assemble the super boxes together without any glue or screws.
2. Measure the hole position centrally as shown below.
3. In order to ensure a strong assembled joint, it is recommended to first drill a 2.5mm pilot hole from the sides of the super boxes through the dove-tail joints and into the sides wood grain of the front and back panels. Not doing this could cause splits in the wood when assembling using the screws/nails.
4. Only 4 holes are required per corner.
5. After the pilot holes are drilled, disassemble the super box back into its pieces again.
6. Apply some PVA exterior grade wood adhesive to the joints.
7. Using nails or screws position them into the wood to strengthen the wood joints.
8. Whilst assembling and joining the joints together, keep checking that the internal corners are 90 degrees.
9. Allow the super boxes to dry for 24 hours.
10. After drying, use sandpaper, sand down the joints and box in preparation for painting.
11. Use a good quality exterior grade undercoat/primer, to paint the outside of the wooden super boxes and allow to dry thoroughly.
12. Repeat the same process with a minimum of two coats using an exterior grade topcoat paint.

**Important: DO NOT paint the inside of the boxes, inner cover, floor and roof (Outer cover). These internal surfaces are left natural.**



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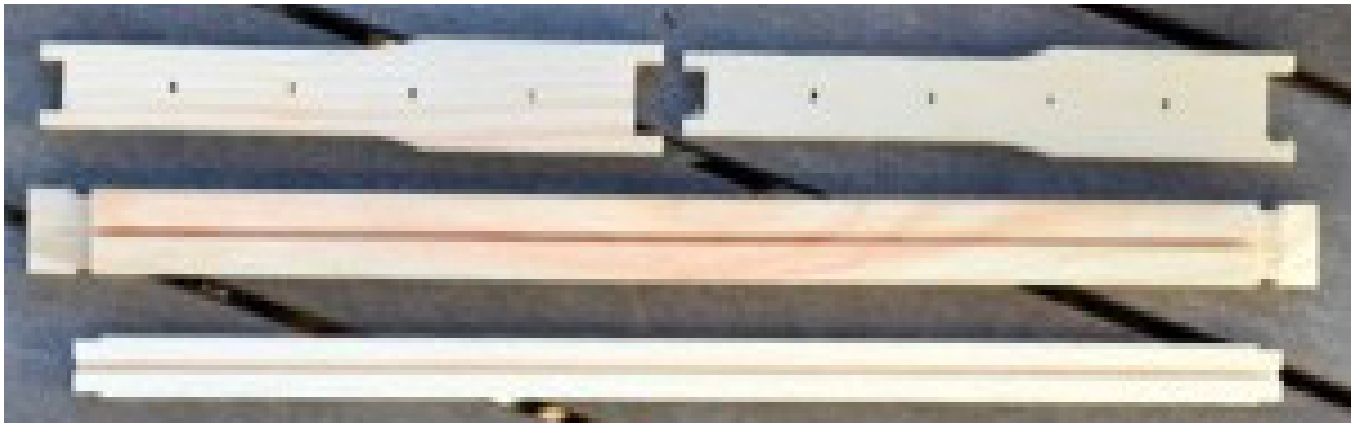
# ASSEMBLING THE FRAMES.

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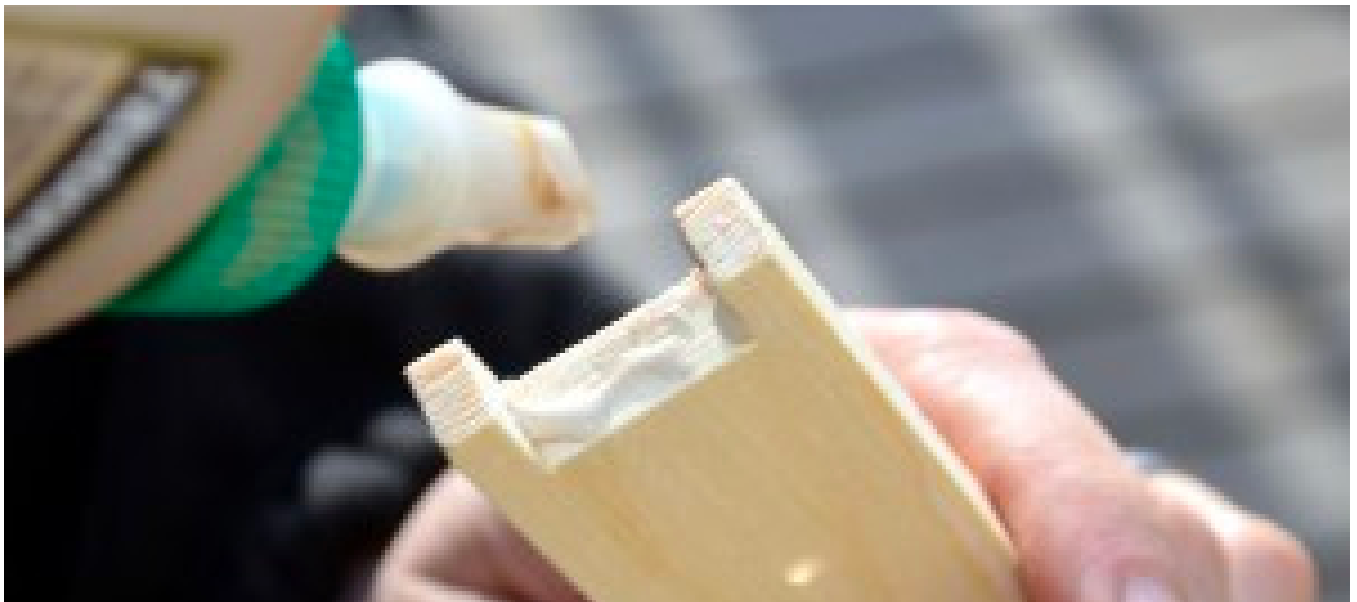
1. First you need the following tools – Hammer, Hardware knife, Carpenter's Square, PVA Wood Glue and 30mm wire nails. A paper towel or rag is also helpful to clean up glue spills.



2. Each frame is made up of 4 components: 2 sides, a top bar and a bottom bar.



3. Pick up one side bar and place a small amount of PVA wood adhesive in the top upper groove, located on the thicker section of the side bar as seen in the picture below.



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4. Take one top bar piece and fit it inside the side bar (where you applied glue in step 3) as shown in the picture below. Push down so the pieces fit together firmly. If you need a hammer to assist you, then tap lightly.



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5. Glue the other side bar in the same manner and attach it to the opposite side of the top bar. You should now have a 3 sided frame made from two side pieces and a top bar. Turn the partially assembled frame upside down and apply a small amount of PVA wood adhesive to the bottom grooves of both side bars.



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6. Now you can assemble the bottom bar of the frame in place with the groove facing inwards. Push down until it fits firmly.

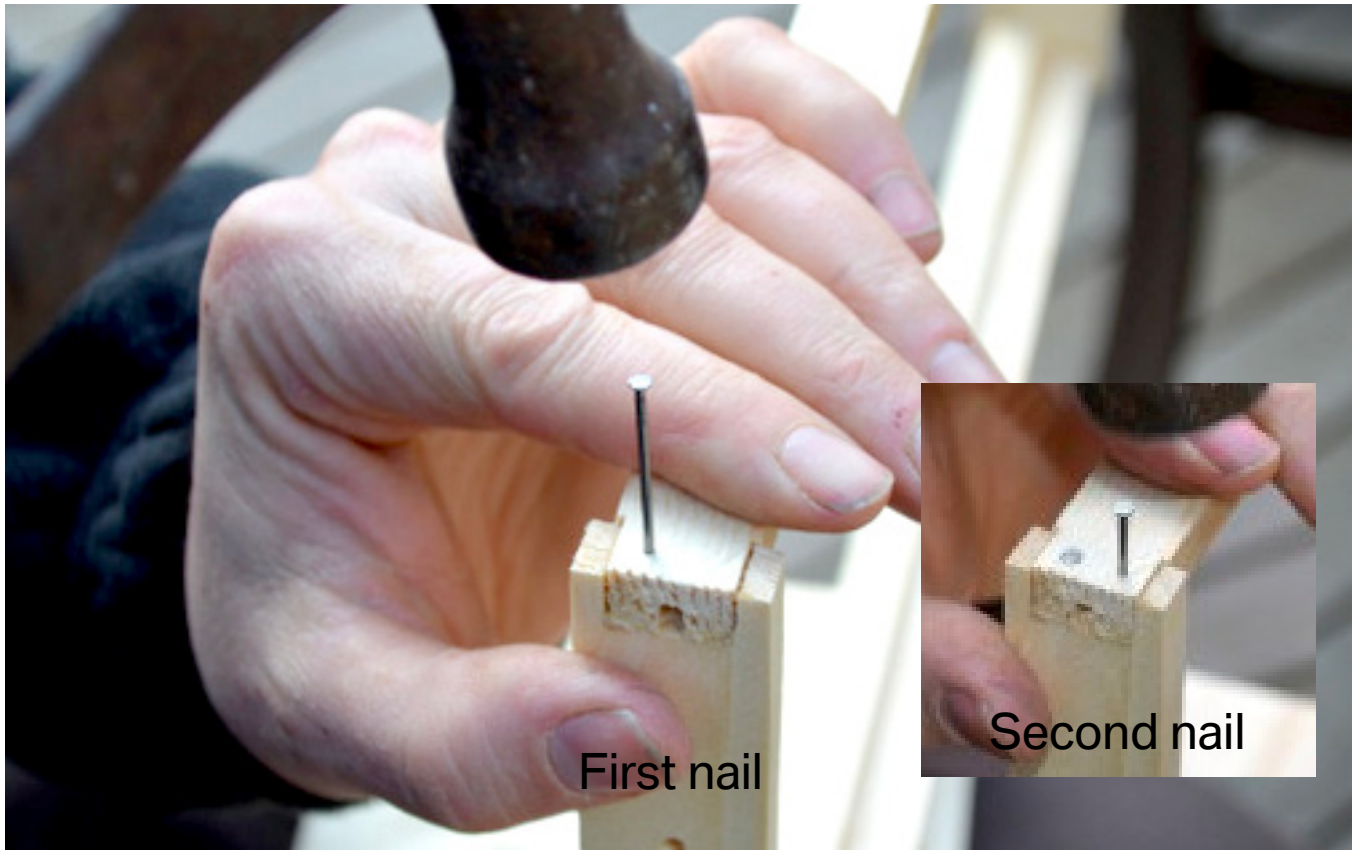


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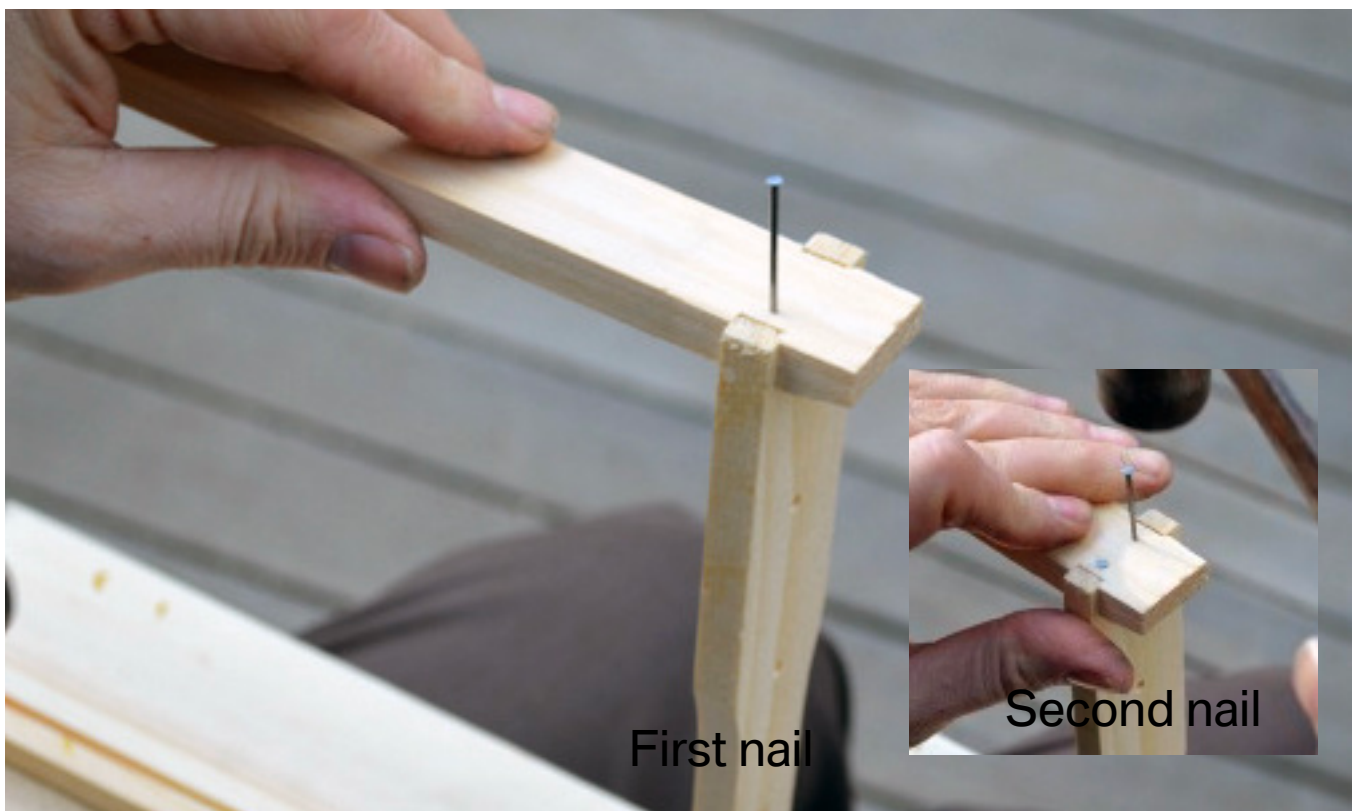
7. Once complete, use a paper towel to clean up any adhesive that has leaked out.



8. Now it is time to nail your frame together. Undertake this process whilst the adhesive is wet and not set. Use a total of ten 30mm wire/pin nails into the frame. Four on the bottom (2 each side), four on the top (2 each side) and one nail into each side of the frame. Repeat the same steps to nail the other side of the frame bottom.



9. Flip the frame over and nail the top of the frame in the same fashion with two nails on each side. Once complete, now hammer two nails into the other side of the top of the frame.



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10. Check to see if your frame is square and nudge it gently into place if necessary.



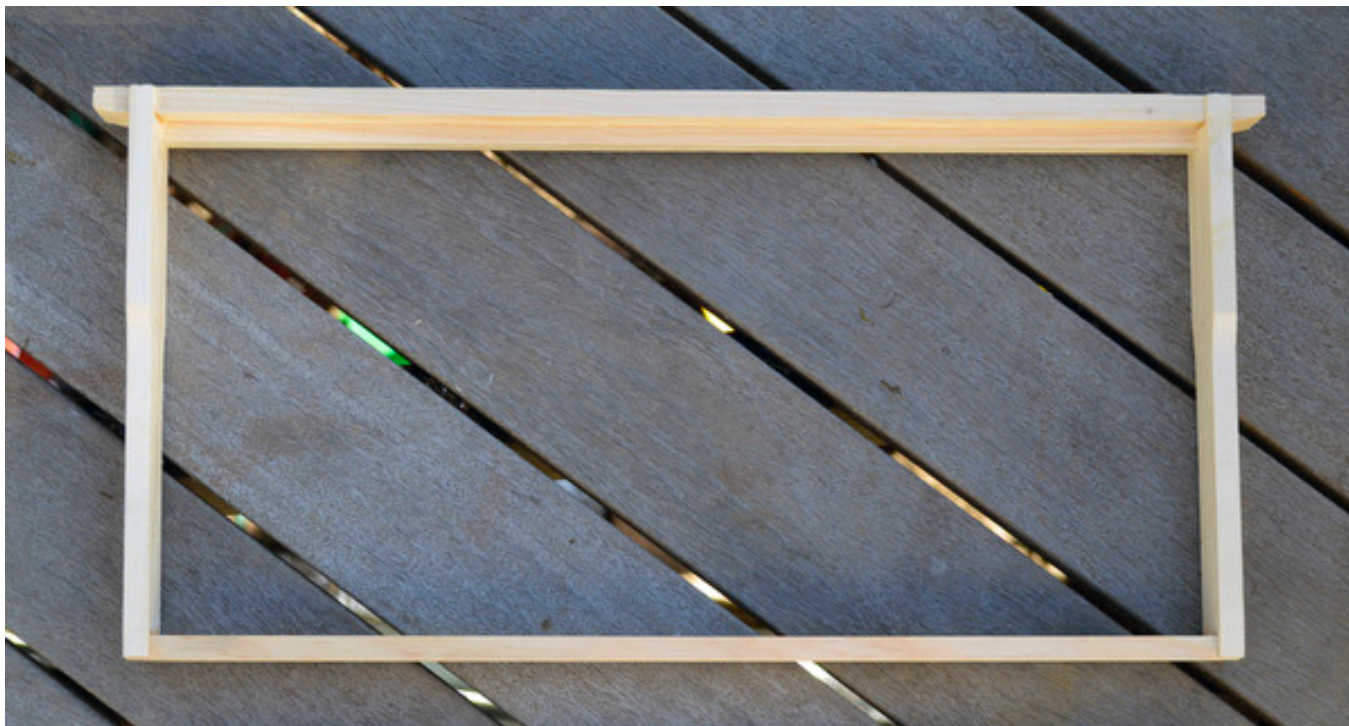
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11. The next step is to hammer one nail into the side of the frame near the top bar as seen in the picture below. Be sure to align the nail so that it enters the thicker side of the top bar. Also ensure that you are not nailing into the slotted groove area on the top bar. This groove needs to remain free unobstructed. One or two nails on each side should suffice.



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12. Your finished frame should look like this.  
The next step is to add the plastic foundation.



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### 13. How to Install Plastic Foundation in Beehive Frames

Plastic foundation is a sheet of plastic that is used as a base for honeybees to build their honeycomb. It fits into the grooves on the top and bottom bars. Plastic foundation does not require beekeepers to wire their frames, so this step is not necessary.

Plastic foundation is strong and does not break easily during honey harvesting. It comes as flat preformed sheets that you slide into the beehive frame after assembly. Simply insert the foundation in the frame and you are ready to go.

When installing plastic foundation, make sure it enters the grooves in the top and bottom bar. Its best to work on one side first (top or bottom) and make sure that the foundation is properly inserted deep into the groove. Once this is accomplished, then concentrate on inserting the other side into the second groove on the frame. Be aware that you will have to flex the plastic foundation slightly so that it can enter the second groove. Be careful to not bend it too much.

**Important:** If you find that the foundation is bending to much then remove the foundation and check that there are no obstructions in the grooves. Some sandpaper rubbed up and down the groove can sometimes help clean up this area, which prepares the frame for easy insertion of the plastic foundation.



**BUZZBEE**

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