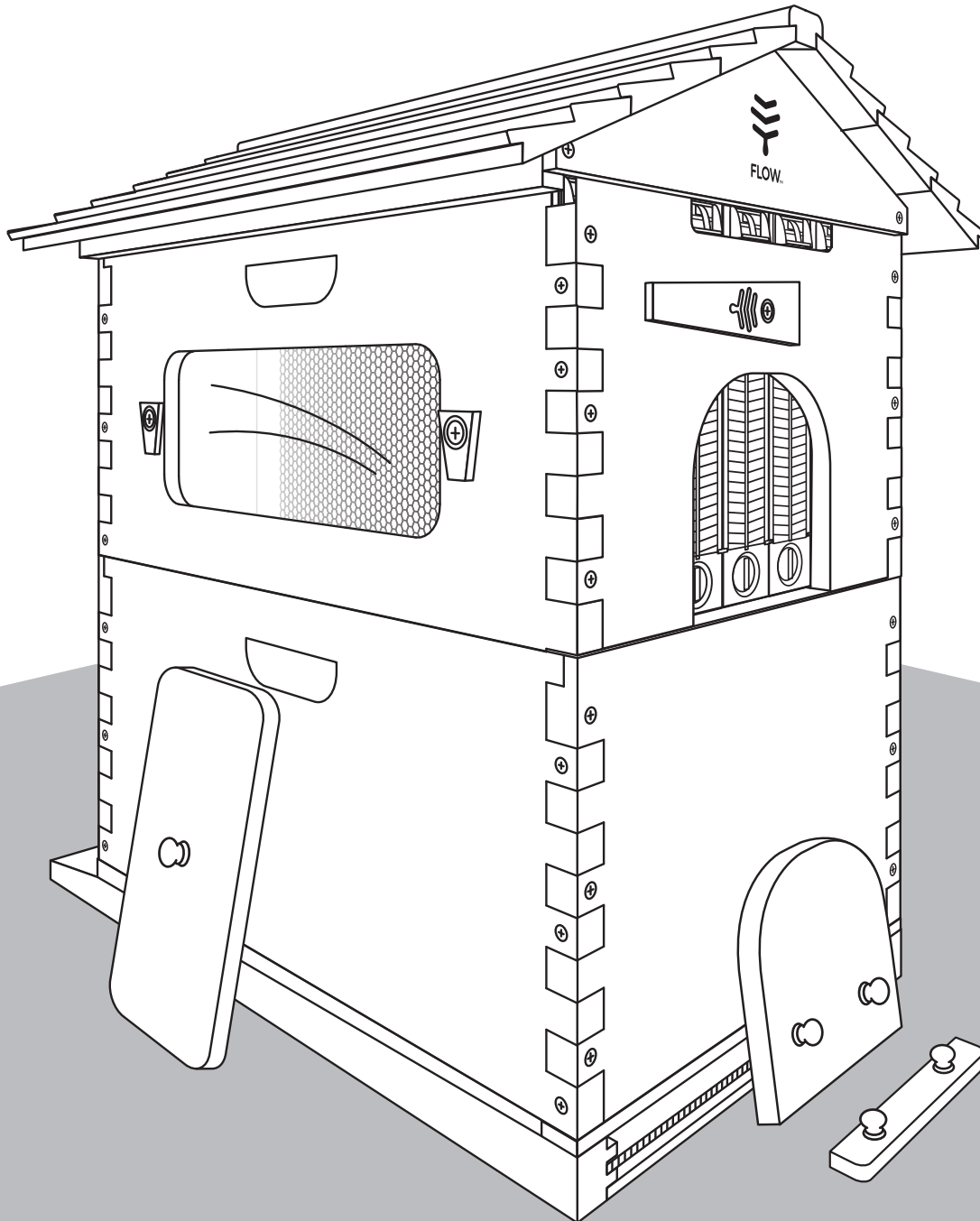




*If we look after the bees they will look after us,
and the honey really is an amazing bonus.*



FLOW[®] HIVE ASSEMBLY GUIDE

Flow[®] Hive Hybrid 3 Frame

• **Read all instructions first.**

• **If you are unfamiliar with wood work, you may like to ask a friend or someone from your nearest beekeeping club to help.**

• **We've put together some great assembly support videos, view them here: www.honeyflow.com/assembly.**

• **Timber is a natural product and will expand and contract in different climate conditions.**

Tools you will need for assembly (not supplied):

- carpenter's square
- clamps (optional) – one that opens at least 41cm and one that opens 51cm
- power drill with phillips head bit (use low torque setting) or a phillips head screwdriver
- hammer
- non-toxic glue
- sandpaper
- drill bits 3mm-4mm (3/32"-1/8") for pre-drilling.
- suitable finish (see back cover)

BEE PART OF OUR COMMUNITY

For beekeeping info and assembly instructions go to: www.honeyflow.com/assembly
To keep connected join us on forum.honeyflow.com or contact info@honeyflow.com

ASSEMBLY VIDEOS



honeyflow.com/assembly

BEGINNER VIDEOS



honeyflow.com/beginner-videos

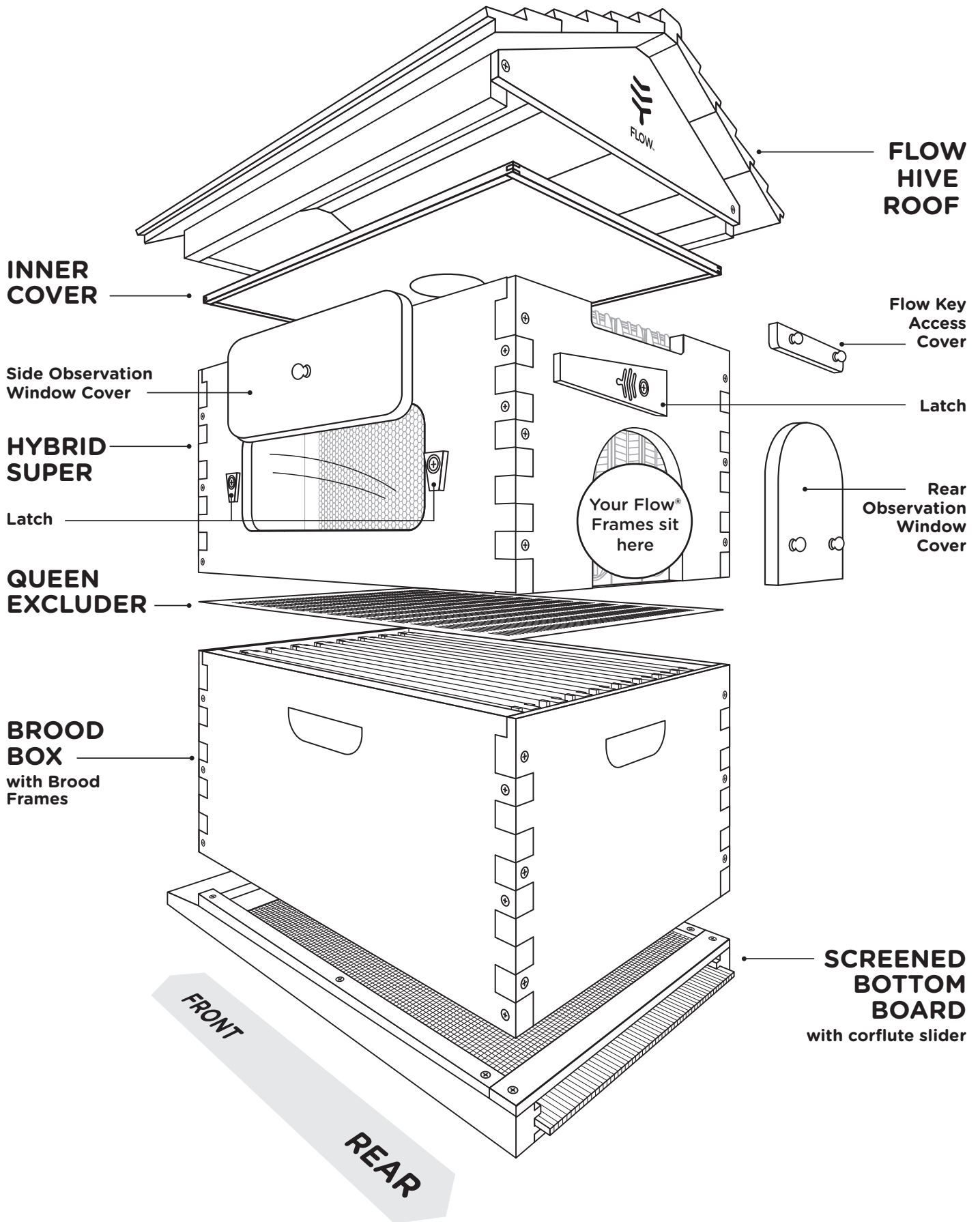
MEET THE BEEKEEPER



honeyflow.com/mtb

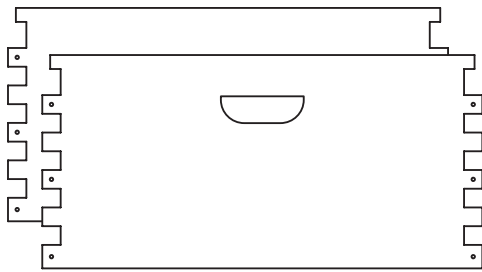


COMPONENTS OF A FLOW HIVE HYBRID



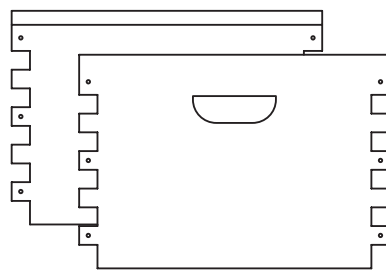
BROOD BOX ASSEMBLY

PARTS



• 2 x box side panels

Note: There are no aligning strips



• 2 x box end panels

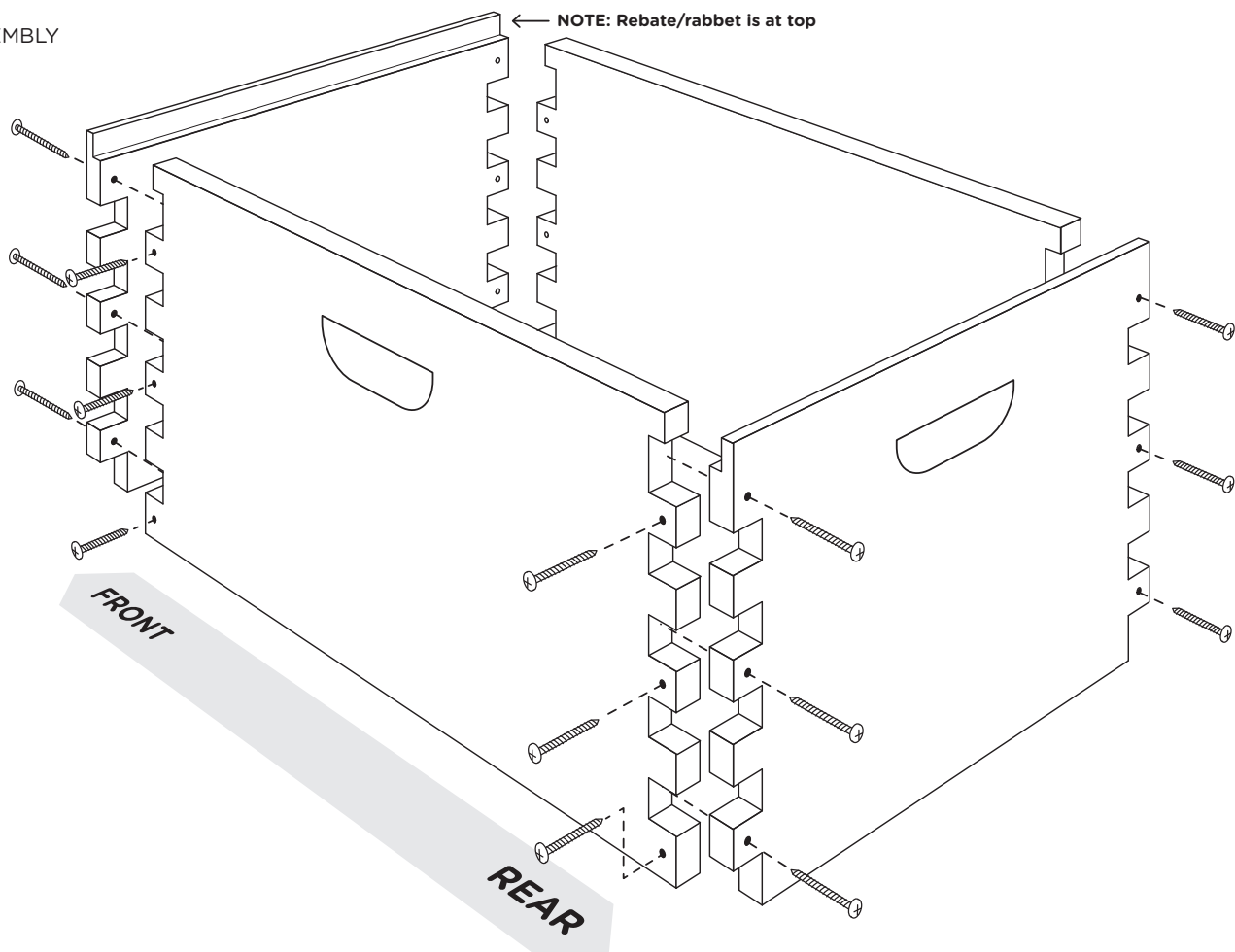
HARDWARE



**24 x 1 3/4" 8G
pan head screws**

To assemble box
sides and ends

ASSEMBLY



1. Cut binding tape and lay out all pieces of your brood box.
2. On a flat surface, dry fit all the pieces together to make a box (as per the illustration above). Be sure they fit together tightly and the handles are on the upper outside of the box. Some force may be necessary to get the fingers together, however if it looks like the wood could split use sandpaper to adjust finger size.
3. If you are using clamps, apply one on each side of the brood box toward the top. The clamps will aid in box assembly by holding the pieces in place as you install screws. Note: insert a slip of cardboard between the clamp head and timber to avoid the clamp leaving a mark. If you don't have a clamp make sure the joints are held firmly together before driving in screws, pressing the opposite end of the box against a wall can help.
4. Check if the box is square using the carpenter's square. Adjust the clamps and box as needed to get it into alignment. If you don't have a carpenter's square you can make visual checks or line up the box with the corner of a square table.
5. Screw the pieces together, checking as you go along that the box is square and that the upper edges are level. Be careful not to over-tighten the screws once flush with the timber surface. Each hive is unique and may have imperfections from the woodworking process. use sandpaper to smooth any areas where required. Apply a suitable timber finish to the outside of your brood box (see back cover).

FLOW HIVE ROOF ASSEMBLY

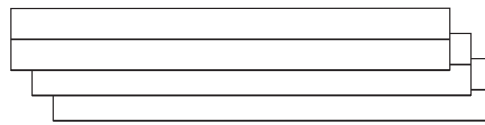
PARTS



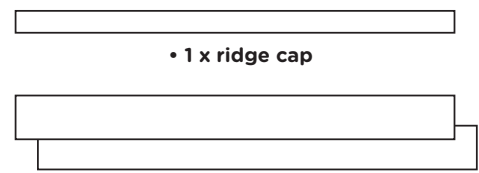
• 1 x front gable (taller)



• 1 x rear gable (shorter)



• 6 x 'shingle' panels



• 1 x ridge cap

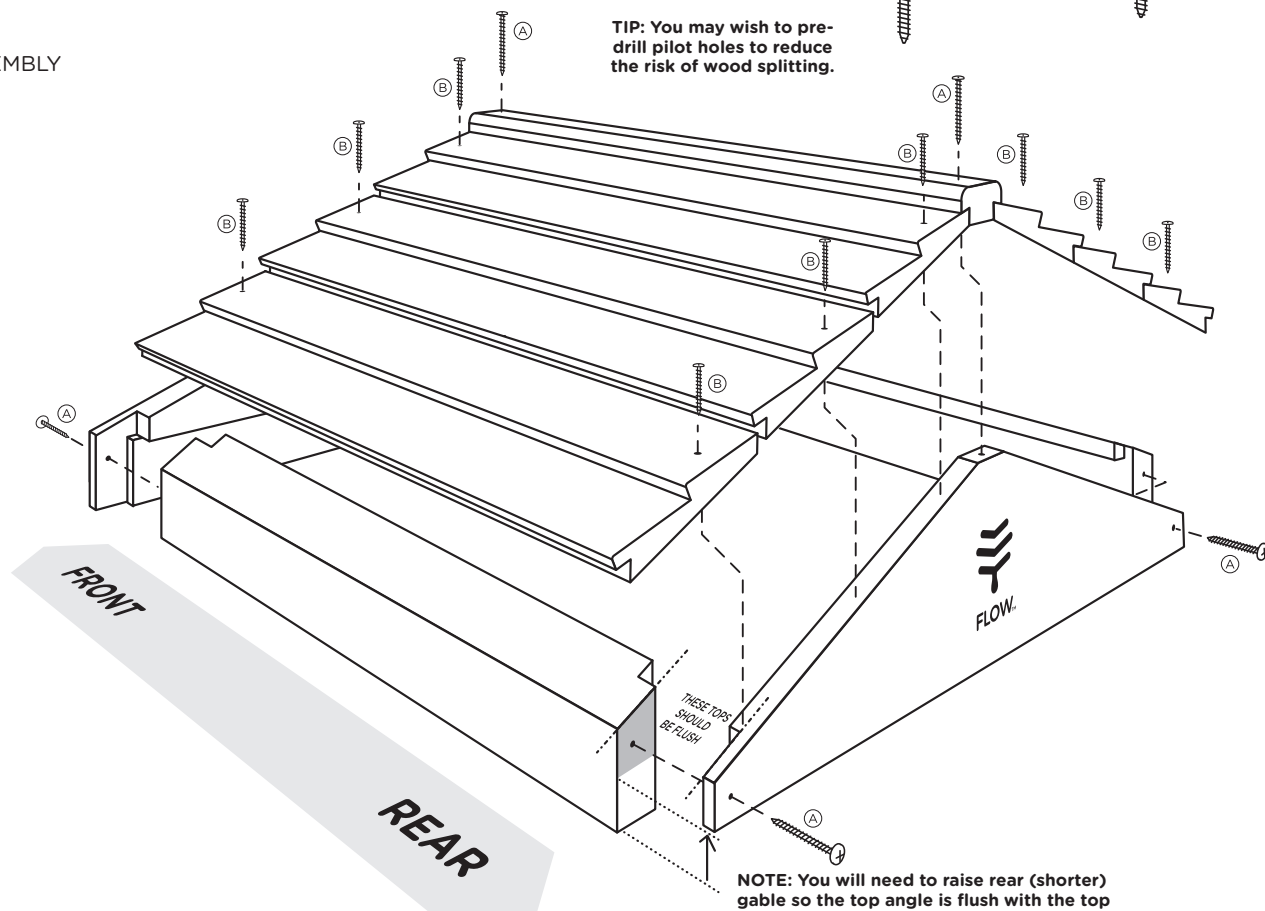
• 2 x side rails

HARDWARE

6 x 1 3/4" 8G
pan head screws (A)

12 x 1 3/8" 8G
pan head screws (B)

ASSEMBLY



TIP: You may wish to pre-drill pilot holes to reduce the risk of wood splitting.

NOTE: You will need to raise rear (shorter) gable so the top angle is flush with the top angle of side rails

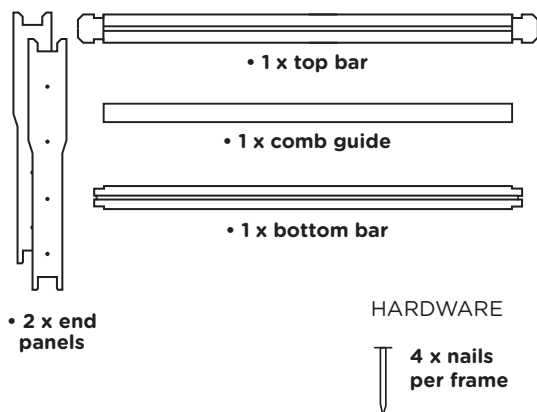
1. Lay out all the pieces of the roof and ensure you have all the parts. Dry fit the pieces together (as per the illustration above). You can use the Inner Cover to keep the frame square and to prop the rear gable to the correct height for assembly. See our video at www.honeyflow.com/assembly
2. Align and screw the front gable (this is the taller gable) to the side rails. The side rails do not have pre-drilled holes. You may pre-drill to reduce the risk of wood splitting.
3. Lift the rear gable so the angle on the top is flush with the

NOTE: The long screws (A) should be used to assemble the roof base and affix the ridge cap. The short screws (B) should be used to affix the roof shingles.

4. Align the ridge cap on the roof apex between the front and rear gables and screw down.
5. Slide the top shingles under the overhang on the ridge cap and ensure they sit firmly against it. Screw down to secure (do not over tighten). Slide the next shingles under the recess of the first shingles and make sure they are flush front and back. Screw down and repeat for remaining shingles. Tighten all screws.

BROOD FRAME ASSEMBLY

PARTS (SHOWN FOR SINGLE FRAME ONLY)

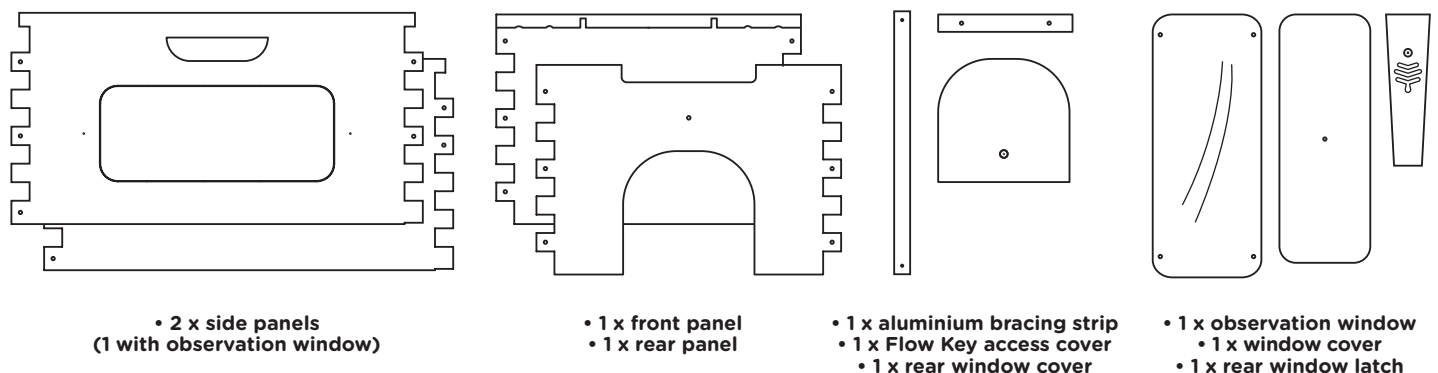


See illustration on right

1. Lay out all the pieces for a single frame on a flat surface.
2. Apply a small amount of glue to the u-shape slots on the end panels, then fit the top and bottom bars into the slots. Glue is not 100% necessary but will make the frame more robust.
3. Check that the frame is square, then nail all pieces together.
4. Glue comb guides in only when using natural foundation (if you plan to use a plastic or wax foundation, not supplied, do not use the comb guide strips) in your brood box - turn frame upside down, add a few drops of glue to the slot on the underside of top bar and insert the comb guide.
5. Repeat for remaining frames.
6. When frames are placed in the brood box, centre them so extra space is towards the outside edges of the box. The frames sit loosely in the Brood Box as they are designed to allow the bees to draw their own comb.

FLOW HYBRID SUPER ASSEMBLY

PARTS



HARDWARE



See illustration on right

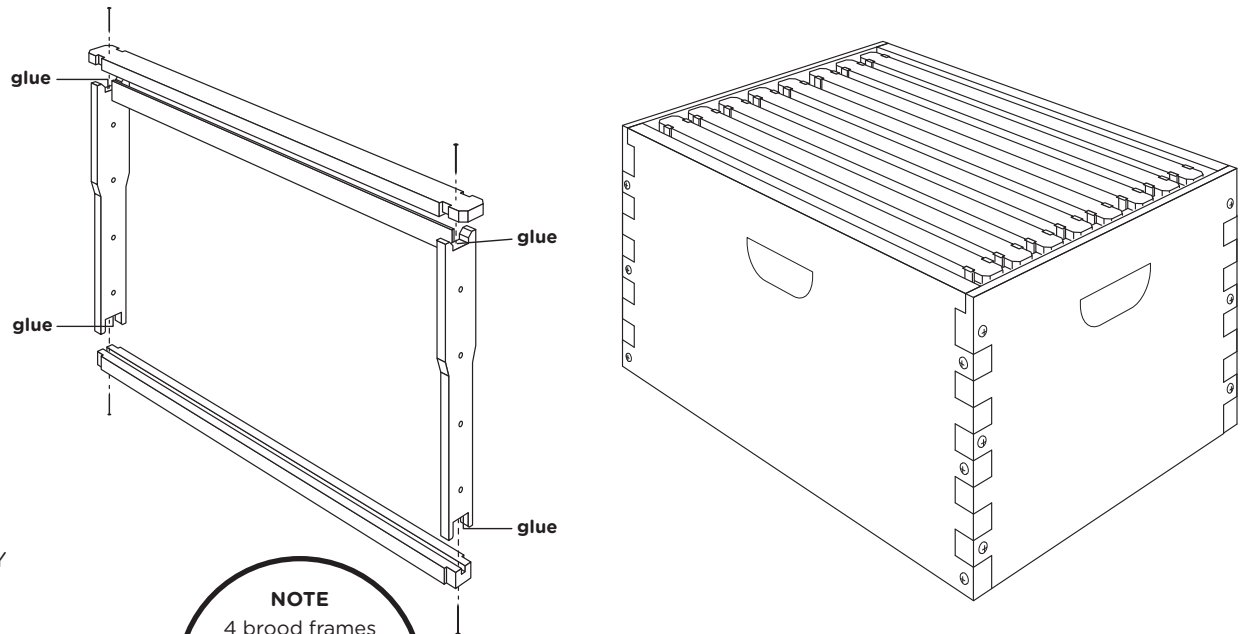
1. Lay out all the pieces of your Flow® Hybrid Super.
2. Dry fit all the pieces together to make a box (as per the illustration on right). Be sure they fit together tightly and the handles are on the upper outside of the super.
3. If you are using clamps, clamp all the pieces together as per the brood box construction to assist while inserting screws. Screw the pieces together checking that the super is square as you go along.
IMPORTANT NOTE: do not screw the rear window cover in place as this piece will be used to gain access to the Flow Frames.
4. To affix the metal bracing strip, turn the super upside down. Put the rear window cover in place. To maintain clearance, temporarily place some packing material, about the width of a credit card, between the rear window cover

and the box side (see inset diagram).

The metal bracing strip sits across the notched ends. Screw the metal strip in place (pre-drilling may avoid splitting the wood).

You may wish to apply a suitable timber finish before installing window and latches

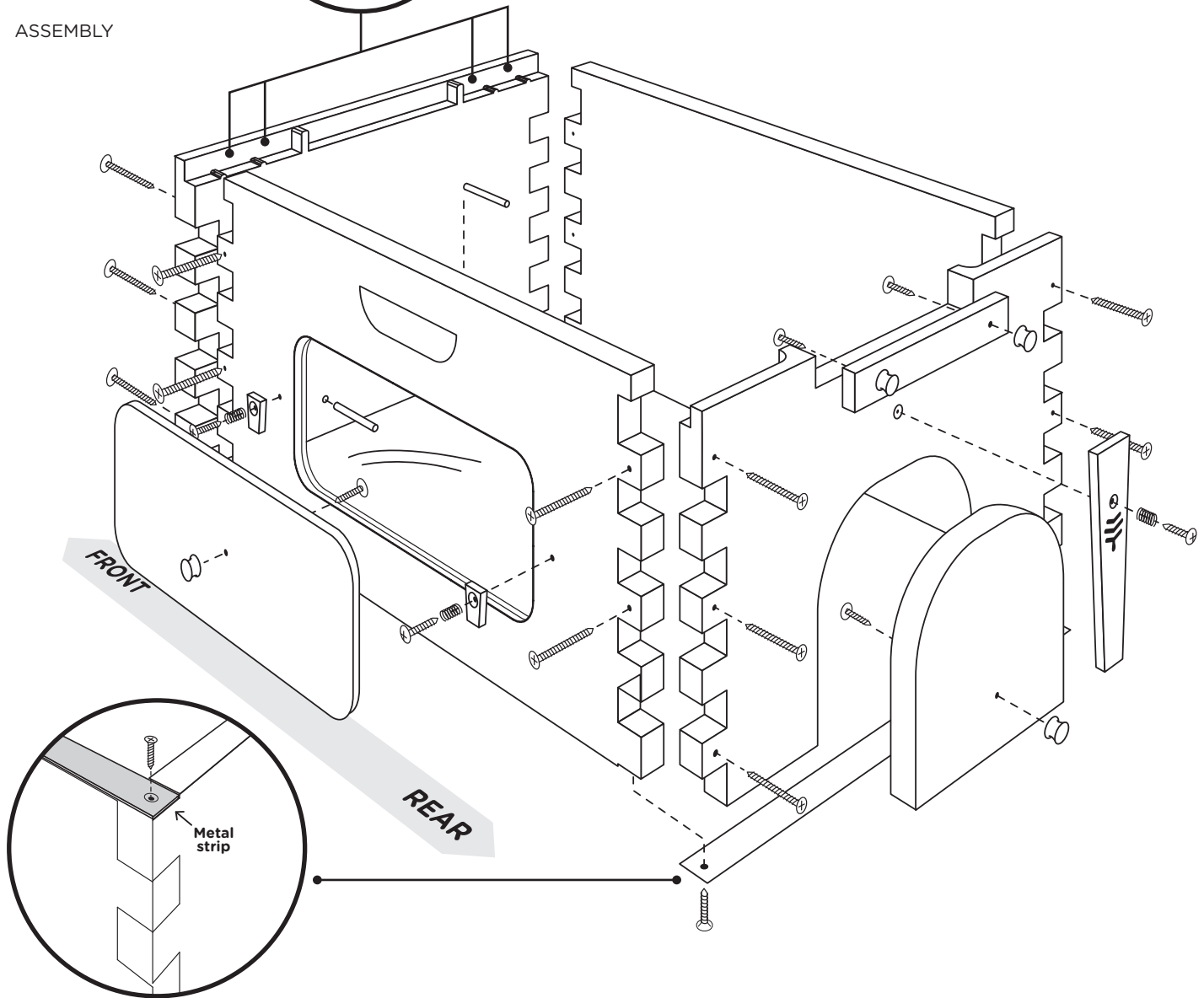
5. Remove protective plastic from both sides of observation window. Install into the rebate on the inside face of side panel and screw into place.
6. Add the knobs to the rear and side observation window covers and Flow Key access cover. Insert the springs into the recesses on the latches before screwing them to the super. The springs will prevent over-tightening of the screws.
7. Insert wooden dowels into pre-drilled holes inside the super. These will position your Flow Frames.



ASSEMBLY

NOTE
 4 brood frames are used in the Hybrid Super. These are located two either side of the Flow Frames.

ASSEMBLY



TIMBER FINISHES

Each hive is unique and will have individual features as a naturally grown product. Applying a suitable wood finish will improve weather protection and increase the life of your timber hive. We recommend painting the outside of the hive with a paint primer followed by a good quality

exterior grade paint. To create a good weather seal on the roof we recommend painting with exterior grade paint. Apply a primer first then use two coats of paint, apply liberally to the joints between shingles to create a good weather seal.

FLOW HIVE CONFIGURATIONS

STARTING YOUR COLONY CONFIGURATION

Set up your brood box with frames, inner cover and roof only while your bees are growing in numbers and building comb. We cover the feeder hole of the inner cover with screen mesh or a piece of wood. Insert corflute slider in lower slot of hive base. This can be moved to upper slot when harvesting.

For hints on how and when to add your Flow Hybrid Super please visit <https://www.honeyflow.com/assembly-hybrid>

ESTABLISHED COLONY CONFIGURATION

Hybrid Super with Flow Frames once your colony is strong and established. Inner cover is placed on top of the super. It is possible to add extra brood boxes or supers once your colony is established and expanding. Speak to your local beekeeping club for region specific advice.

