

Expanding a FH10 or HH to Two Levels

You will need two complete Barns in order to expand to a double.

Step 1:

Remove the roof along the red dotted line and drill 1/4" holes where the red circles are. Remove the lip along the bottom edge.

(Refer to Figure 1)

This is what the side wall should look like after Step 1 is completed.

Figure 1



Step 2:

Align the top floor and the floor section that was modified.

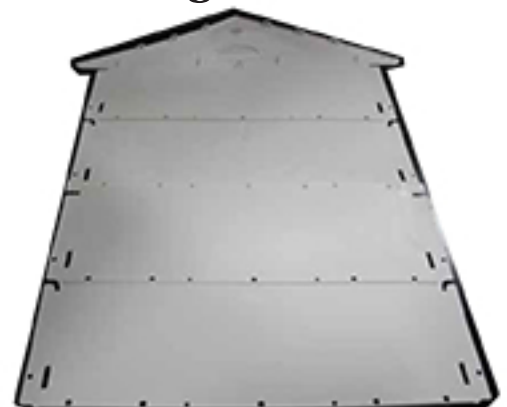
Figure 2



Step 3:

Align the floor panels with the demarcations on this extended side panel, and snap them into place. Continue building the barn.

Figure 3



INSTRUCTIONS

HH

Heavenly Haven Martin Barn

Engineering Note:

After all the pieces of the Heavenly Haven Martin Barn are correctly assembled, this Barn will become Very Solid.



Shown with the Topper and rope included with the EXRP19 Pole

Please read all directions before starting assembly

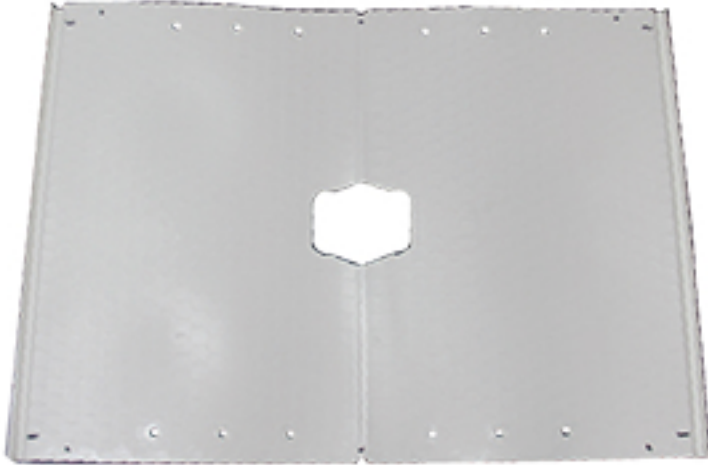
Before you begin assembly you must purchase the EXRP19 Pole

**IF ANY ITEMS ARE DISCOVERED MISSING,
DO NOT RETURN TO STORE.**

EMAIL US AT CUSTOMERSERVICE@BESTNEST.COM

Parts list:

- 1 Roof
- 2 Floors
- 2 Perches
- 2 Connectors
- 2 Barn Sides
- 4 Door Panels
- 1 Attic Floor
- 2 Pillar Dividers
- 4 Wall Dividers
- 4 Door Dividers
- 2 Triangle Dividers
- 1 bag of 34 Snaps (white or black)

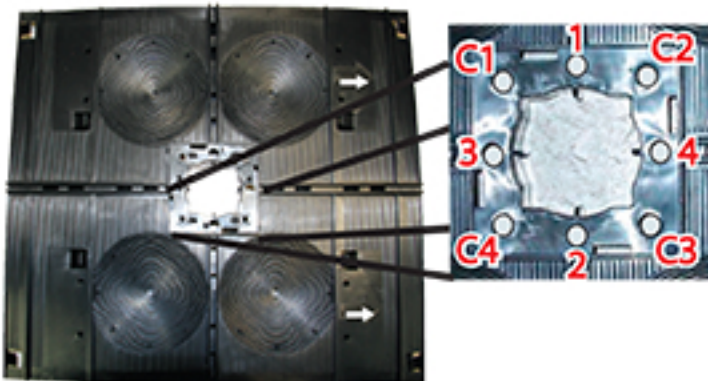


Step 1: Purchase the EXRP 19 Pole

Step 2: Receive your EXRP19

Step 3: Remove the Topper and Rope out of the EXRP19 Pole box.

Step 4: Remove the roof from the Heavenly Haven Martin Barn box. Turn the roof inside out so that the shingle design is on the outside. The hole in the roof will be covered by the Topper when installed on the EXRP19 Pole. *(sold separately)*



Floor image enhanced to show the Hole label detail.

Only Holes 1 and 2 are used on this model.

Step 5: Feed the rope through the Topper.

Fig. 1:
Pull one end of the rope through the pole Topper.

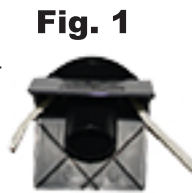


Fig. 2:
Keep rope tangle free. Take the two ends of the rope and put them through the roof top opening.



Fig. 2

Fig. 3:
Continue through the attic floor.

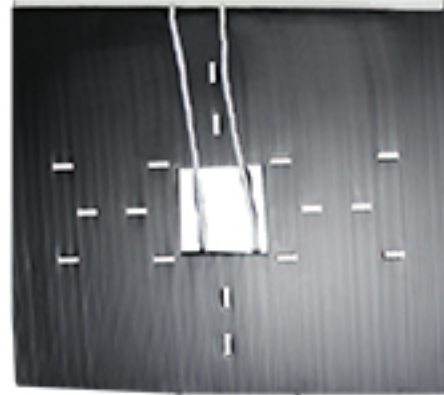
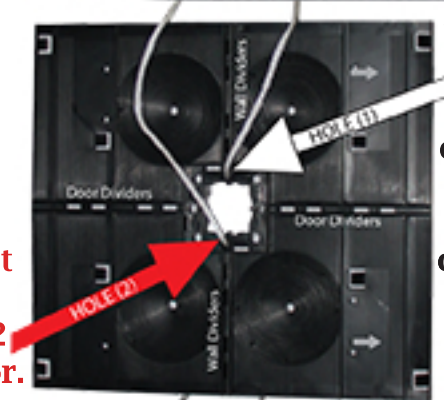


Fig. 3

Fig. 4a:
Ensure the two floor sections face in the same direction. Run one end of rope through Hole 1 on the second floor and the other end of the other rope through Hole 2.

Fig. 4b:
Separate the ropes and make sure they are not tangled. Take the rope from Hole 1 on the second floor and insert it into Hole 1 of the first floor.

Red arrow shows the same side of rope must go into the same Hole 2 on each floor.



White arrow shows the same side of rope must go into the same Hole 1 on each floor.

Fig. 4a
second floor

Now take the rope from Hole 2 from the second floor and insert it into Hole 2 of the first floor.

Red arrow shows the same side of rope must go into the same Hole 2 on each floor.



White arrow shows the same side of rope must go into the same Hole 1 on each floor.

Fig. 4b
first floor

Fig. 5:
Ensure plenty of rope has been pulled through each hole. Then separate the two floors. Tie the two ends of rope with a loose double knot below the bottom floor. This way the rope will not pull back through the floors during the rest of the assembly process.

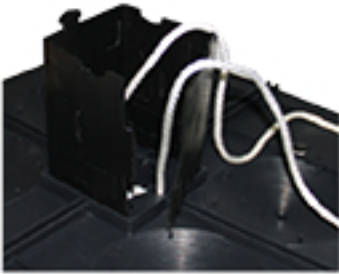
Fig. 5



Step 6: Fold the Pillar into a square and lock in place.

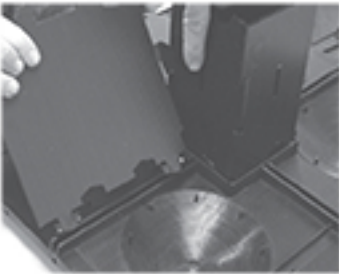
NOTE: The "UP" arrow goes on the outside of the Pillar.

Special Note: The ropes must be inside the Pillar.



Step 7: The Pillar has tabs that will snap into the center section of both floors.

Step 8: Insert the tabs into the corresponding holes in the floor until they lock into place.



Step 9: Take a wall divider and locate the bottom tabs as shown and the corresponding holes on the floor and the Pillar. Insert the two dividers. Ensure the tabs are locked into the corresponding holes on the floor and the Pillar.

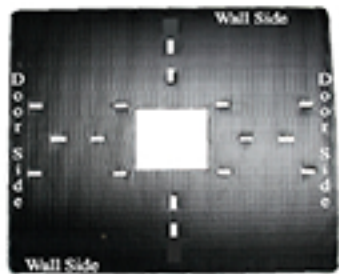


Step 10: The door dividers will snap into the entrance side of the floor.

NOTE: The tabs and the arrows in the floor indicate the entrances of the barn.



Step 11: Place the second floor atop the dividers. Be sure the floors are turned in the same direction. Push the tabs of the standing dividers into the corresponding holes. Insert the second Pillar (around the Ropes) and add dividers on the second floor exactly as the first floor (Steps 9 through 10).



Step 12: The attic floor fits over the top Pillar, and allows the corresponding tabs from the dividers on the second floor to be pushed in place on the attic floor.

NOTE: If the shelter appears WARPED at this point, do not worry. It will straighten during the following steps.



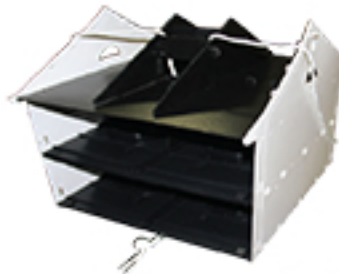
Step 13: The 2 Triangle Dividers are inserted by pushing the tabs into the corresponding holes in the attic floor. They snap in the 2 Connectors to join the Triangle Dividers together.



Step 14: Place this assembly on its side. Place a barn side panel here, ensuring its textured side is facing outward, and align the holes on this piece with those on the floors of the shelter.



Step 15: Be sure the corresponding holes in the side walls and the floors are aligned before inserting the snaps. The smaller holes are where the Perches are to be inserted.



Step 16: Ten snaps go into each side of the barn. Be sure to push the snaps in all the way. Repeat Steps 14 through 15 on the opposite side wall.



Step 17: With the barn upright, take the roof and place it over the barn. At each corner of the roof, you will find an alignment hole that corresponds with a slide tab. Push the small tab through the pre-cut hole to attach the corner of the roof (all 4 corners) and slide into place.



Step 18: Starting at the roof peak, place snaps down each side of the roof to the eaves. Align roof holes with the snap holes in the side walls.



Step 19: The four door panels are attached by inserting the end tabs through the molded holes in the side panel as shown. The door panels will swing up. Press the floor tabs behind each door panel until it snaps into place.

House Notes: Additional Information

To Clean and Inspect

To gain access to the inside of the home, the doors swing up and down. To open, press down on the two tabs on the flooring. Pull the bottom of the door upward. When closing, close door until the floor tabs click into place.

To Clean the Attic Area

Insert hand between attic floor and roof. Open the top door and pull out previous year's nest.

Maintenance Tips

The home can be painted with Fusion® paint to change its color. Apply Rain-X® or Armor All® to the roof if desired, to allow water to slide off of it easily.

Nesting Help

Adding a small amount of pine needles/straw into each Martin compartment gives the Purple Martins a start in nest building.

OPTIONAL: For a different Look to the Heavenly Haven Martin Barn

Create 6"x6" Compartments with a Porch!



Step 1:

Separate the door dividers at the perforation with scissors.

NOTE: The side with the "UP" mark is for Step 10. The right side may be saved to use as a porch divider.



Step 2:

Move the door back to the secondary hole on the side wall (see inset). This creates a larger platform in front of the nesting cavity, acting as a porch.



Purple Martin Basics

Generations of North Americans have celebrated purple martins, and we are glad to help you on your journey to become a successful landlord. Our shelters offer some of the latest innovations in purple martin housing, and the information here can improve your chances of attracting this magnificent, migratory swallow.

HISTORY: Records indicate that Native Americans have been offering shelter to purple martins since pre colonial times, hanging hollowed and dried gourds in groups for these migratory birds. They found that martins ate several insects that were harming crops, and this led to a beneficial relationship and the birds forming colonies. Over time, erecting multi-compartment housing for martins became a popular and practical practice, and martins are now entirely dependent upon manmade shelters east of the Rocky Mountains. As the fate of these birds is now in our hands, it is extremely important that we provide adequate housing for them.

Purple martins migrate from the Amazon basin in Brazil northward to North America. They fly up to 7,000 miles each trek and can be found in approximately 37 states and 6 Canadian provinces.

Please refer to the map to see when purple martins will be migrating to your area.

BENEFITS OF HOUSING MARTINS: Offering these birds nesting sites has been an enduring pastime, and one known benefit is that they are primarily insectivores. They typically eat a variety of flies, bees, moths, dragonflies, and wasps, diminishing insect pests in your area. Historically, large groups would sometimes band together to threaten and overwhelm other birds such as crows or vultures, keeping crops safe and making them a welcome guest for farmers. As they have a strong sense of site fidelity, martins often return annually to the same colony, allowing you to identify different birds and strongly understand individual behaviors. Amaze at the flight patterns of these acrobatic birds, particularly the male courtship displays, and enjoy their dawn song as a natural soundtrack.

LOCATING HOUSING: Over the centuries, martins have shown preferences for specific housing locations and siting. For optimum occupancy rates, you will want to place the shelter in the most open area possible, and as close to 15' to 20' high as you can. Homes should be placed 40' to 60' away from any trees taller than the nesting box, and approximately 30' away from human housing. Due to hunting by hawks, owls, snakes, and raccoons, martins will not nest in homes placed under or near trees. They will need the open area around the house for enough room and time for them to flee any aerial predators.



KEEPING YOUR COLONY: The key to establishing and retaining a successful martin colony is proper management. Our unique housing set ups have been designed to encourage martins to roost and help you effectively manage it. The sturdy poles enable you to lower the gourds or home for inspection and checking nests, and to monitor the progress of each nesting pair. The homes and gourds have larger compartments, as compared to traditional shelters, which promotes better breeding success, as these birds tend to raise more young when provided with larger nesting cavities. The gourds and homes also have crescent shaped starling resistant entry holes, which are smaller than traditional, circular openings. These smaller entries allow martins passage, while stopping virtually all starlings from entering the cavities. English house sparrows are a similar size to martins and are infamous for trying to nest in these shelters. A responsible martin colony manager is vigilant about keeping house sparrows out of the cavities. No birds other than purple martins should be allowed in the system you place for them. Martins, in all likelihood, will not nest in housing in which another species has already established its territory; the martins will be chased off by the other birds. If you notice any birds other than martins trying to lay claim to the housing, force them to go elsewhere by plugging holes if martins are not yet established. If you see native birds like bluebirds and tree swallows, put up separate housing for them. You should never allow the non native European starlings and English house sparrows to begin nest building in martin-specific housing, as these sites are much needed by the migratory purple martin, whose population has dwindled in recent years.

A FINAL THOUGHT: There is much more to being a successful martin landlord than purchasing a home or gourd system, placing it in your yard, and letting nature take its course. Your interest in this item already demonstrates your desire to attract purple martins. In depth knowledge of the preferences and behaviors of these birds will certainly help you manage your colony. Join a local martin club or Audubon society, read books about these birds, and check online blogs and Web sites for like minded individuals wishing to care for these birds. Sharing your hobby with others will tremendously help these birds in their fight for survival and help you best care for your colony. Our best wishes in your endeavors.