BUILDING A NORTHERN FLICKER HOUSE

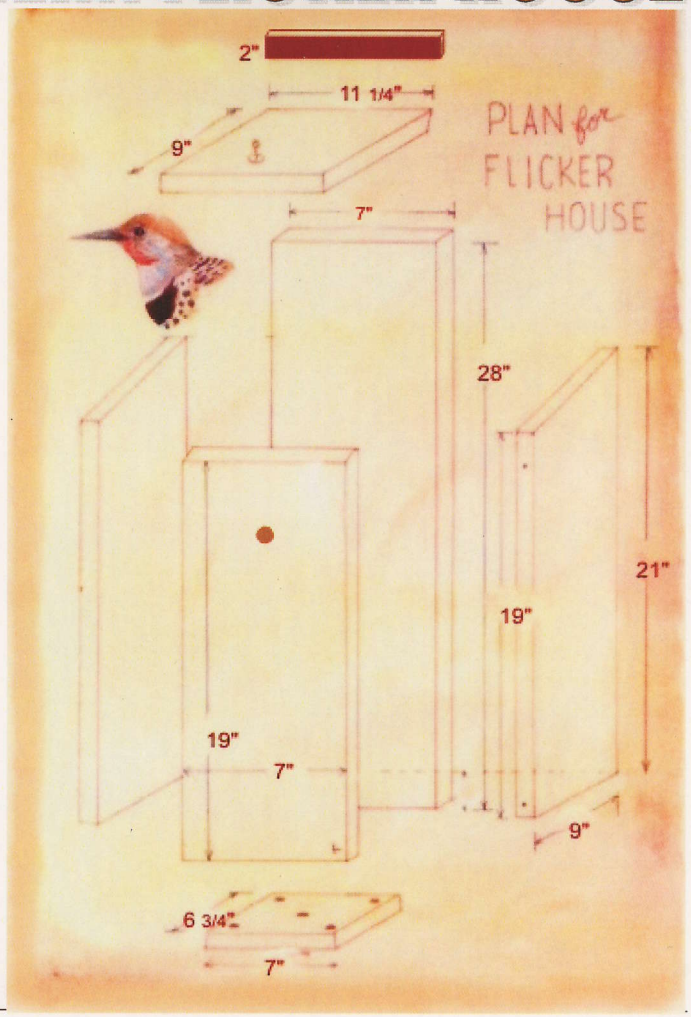
TOOLS

- Tape measure
- Pencil
- Table saw
- Drill and drill bits, 1/8" and 3/16"
- Pliers
- Carpenter square
- ¾" paddle bit
- Counter sink (optional)
- Miter saw (optional but helpful)
- Protective eye and hand wear

MATERIALS

- 1" X 10" X 10' rough saw pine
- 12 – 2 ½ screws
- 4 – 2" screws
- 2 – angle hooks

**all materials are provided*



CUTTING THE MATERIAL

FRONT, BACK, AND BOTTOM PANELS - From the 1" X 10" X 10' board, measure and cut a 56" long piece. Rip this pieces to 7" wide (set aside the scrap from this cut- you will need it later). Cut 28" off of this board. This will become your *back panel*. Now measure and cut a 6 ¾" piece for your *bottom panel*. With the remaining 7" wide board, measure to 19" and make a 15 degree bevel cut across the board with 19" as the long point. This will be your *front panel*.

SIDE PANELS – Rip the remainder of the 1" x 10" board to 9" wide. From this board, measure to 21". From this point make a 15 degree angle cut across the board with 21" as the long point. Do this two times and these will be your side panels.

TOP PANEL – Cut an 11 ¼" piece from the remainder of the 9" wide board. Set the table saw for a 15 degree bevel cut and bevel along the 11 ¼" length. This will be your *top panel*. With the scrap from the 17" rip, cut an 11 ¼" piece and rip this to 2" wide putting a 15 degree bevel along the length. This piece will hold the *top panel* in place.

You are now all done with the cutting and can now move onto the assembly.

ASSEMBLY

Measure up 2" from the bottom of the *back panel* and make a square line across the board. Set the two *side panels* so they line up evenly with the 2" mark and flush with the *back panel*. Pre-drill and screw *side panels* to *bottom panel* using 2 ½" screws (three screws per side).

Take the *bottom panel* and line it up with the *side panels* and along the line that you have made. Pre-drill and screw the *bottom panel* to the *side panels* using the 2 ½" screws (two screws per side).

Now, take the *front panel* and line it up with the top edge of the *side panels*. Make a very light line across the *front panel* ¾" down from the top edge. This will be the pivot point for the *front panel*. Pre-drill and screw the *top panel* into the *side panels* using a 2" screw (one on each side).

Now center the *top panel* over the box. Place the 2" x 11 ¼" piece over the *top panel*. Pre-drill and screw this piece into the *back panel* only. Make sure this piece fits snugly as this acts to hold down the *top panel*. Use two 2" screws for this. Next, put in the angle hooks into the *top* and *front panels*. To do this, drill through the *top panel* and into the *front panel* using an ⅛" drill bit. Make sure that you drill squarely into the center of the *front panel*. Now, re-drill the hole in just the *top panel* using the $^{3}/_{16}$" drill bit. This will allow the angle hook to slip through the *top panel* easily, yet hold securely to the *front panel*. Repeat this step with the *front panel*. Screw in the angle hooks and tighten with pliers.

To make the entrance hole, center a mark on the *front panel* 16" from the bottom and drill using a ¾ - 1" paddle bit. Now drill three $^{3}/_{16}$" holes (two at the top and one at the bottom) for mounting purposes. It is also helpful to make a notch in the *bottom panel* which helps in opening the front panel. You can use a chisel and sand paper for this.