

Western Bluebird Nestbox Plan

Cover Sheet and List of Materials

Custom Design for SCBC



Bluebird Nestbox List of Materials		
Item:	Description: (Qty)	Notes:
Board	Spec: [3/4" x 7-1/4" x 5'] (1)	Pine, Cedar (non-aromatic), Redwood
Latch	Sq. Bend Screw Hook (1)	#110 Zinc Plated, Home Depot 217-445
Screws	Screw, Drywall Course Thrd (12)	Phillips, 1-5/8" Long, Home Depot 479-666
Nails	Nails, 6d, Galv. 2" Long	Substitute for Drywall Screws above
Nails	Pivots, 5d, Galvanized (2)	1-3/4" long, Flat head, Home Depot 734-063
Wire	9 Ga. Galvanized (24")	Home Depot 623-458
Lub.	WD-40	Lubrication, Rust Prevention
Glue	Titebond II Premium Wood Glue	
Tools:	#2 Phillips Screw Driver	
	3/32 Drill bit	All Pilot Holes
	5/32 Drill bit	Screw Clearance Holes
	Hole Saw	1-9/16" Dia.
	Countersink	Universal, 60 degree



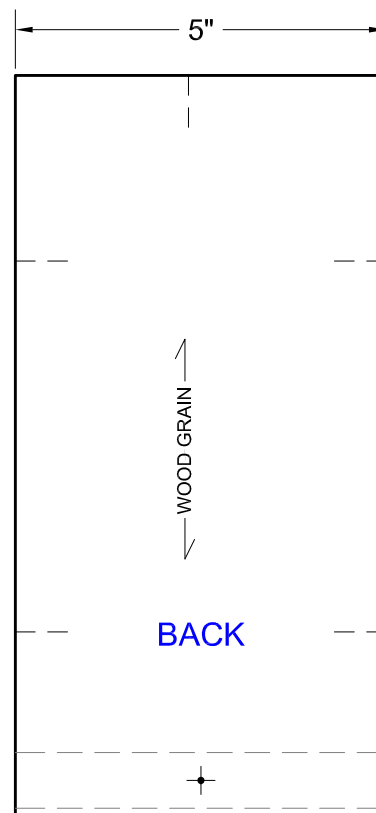
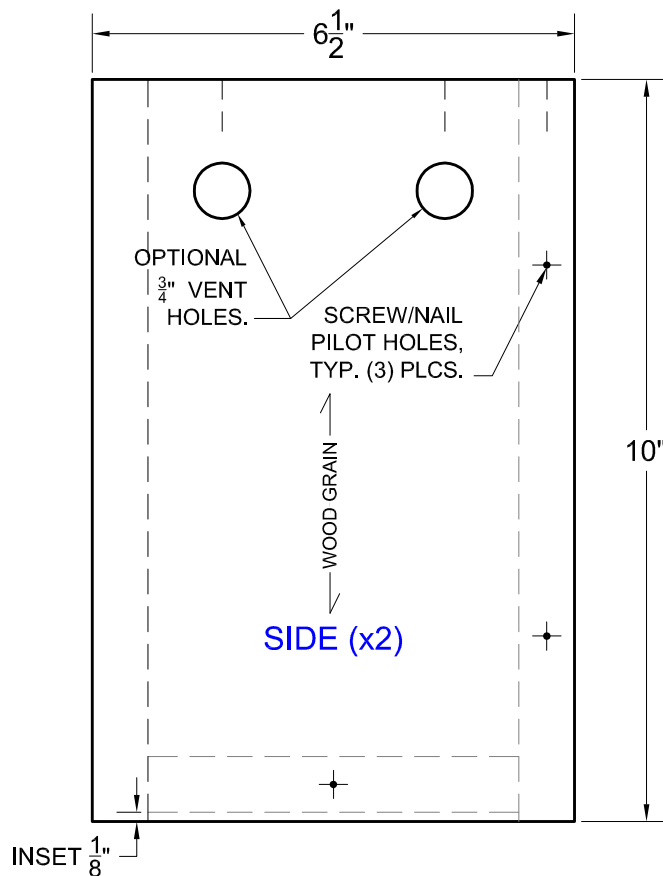
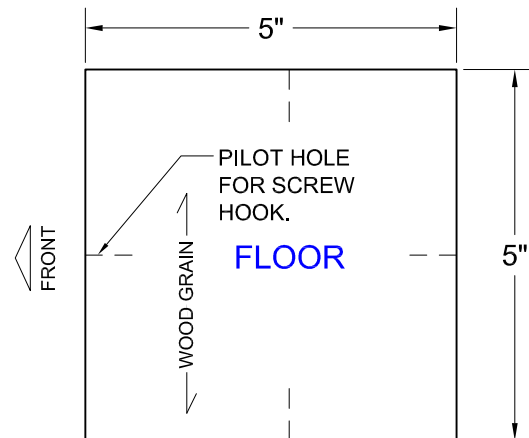
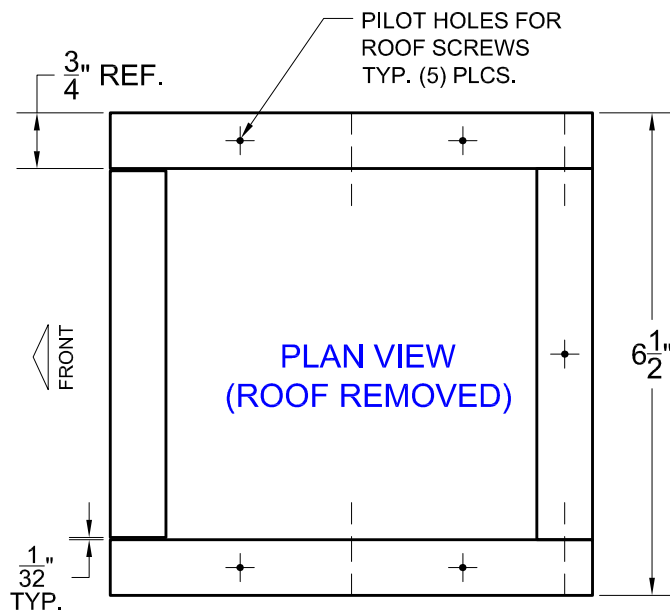
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SHEET COVER OF 5

Western Bluebird Nestbox Plan

Front, Back, Sides & Plan View

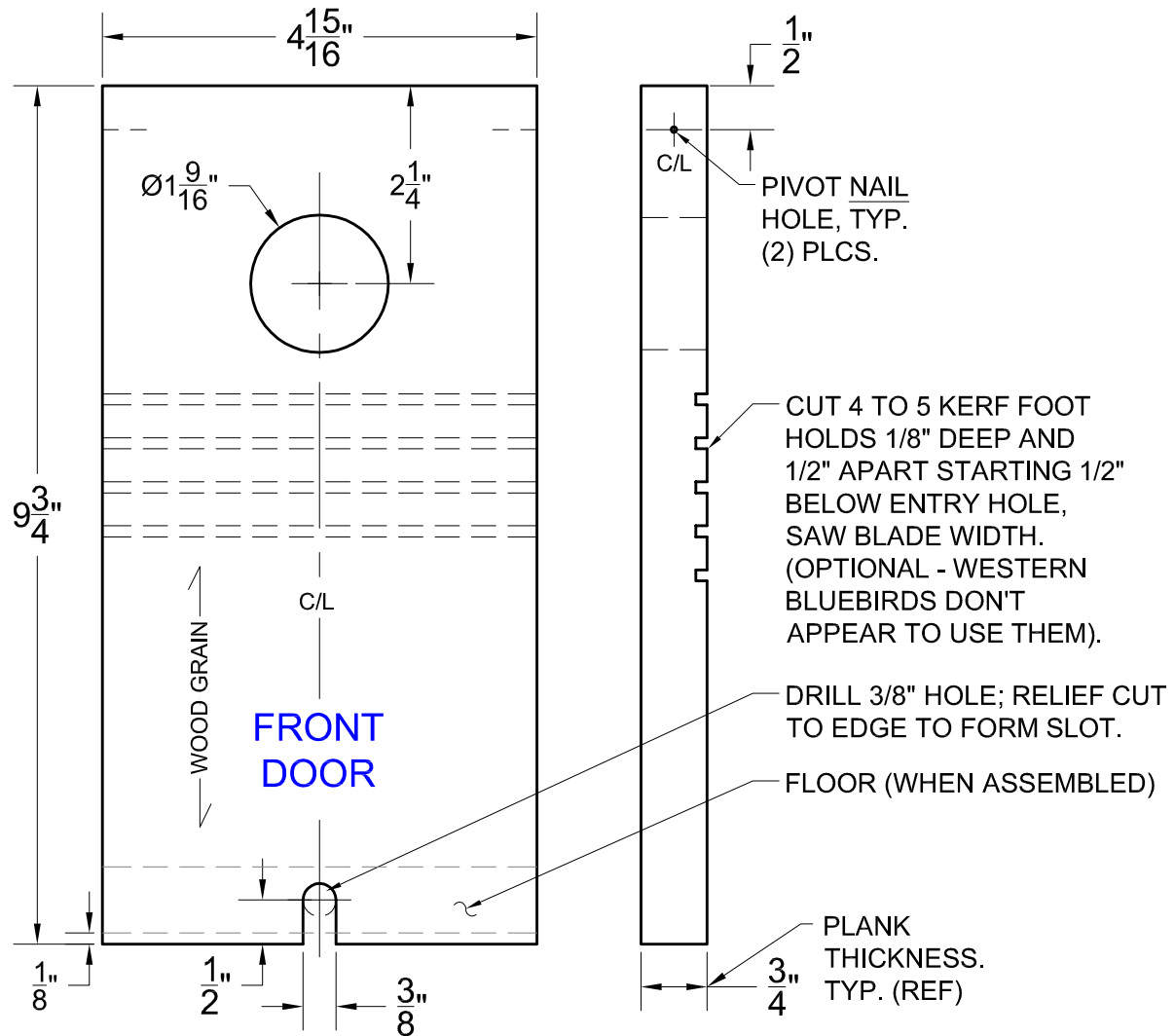


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Door Detail



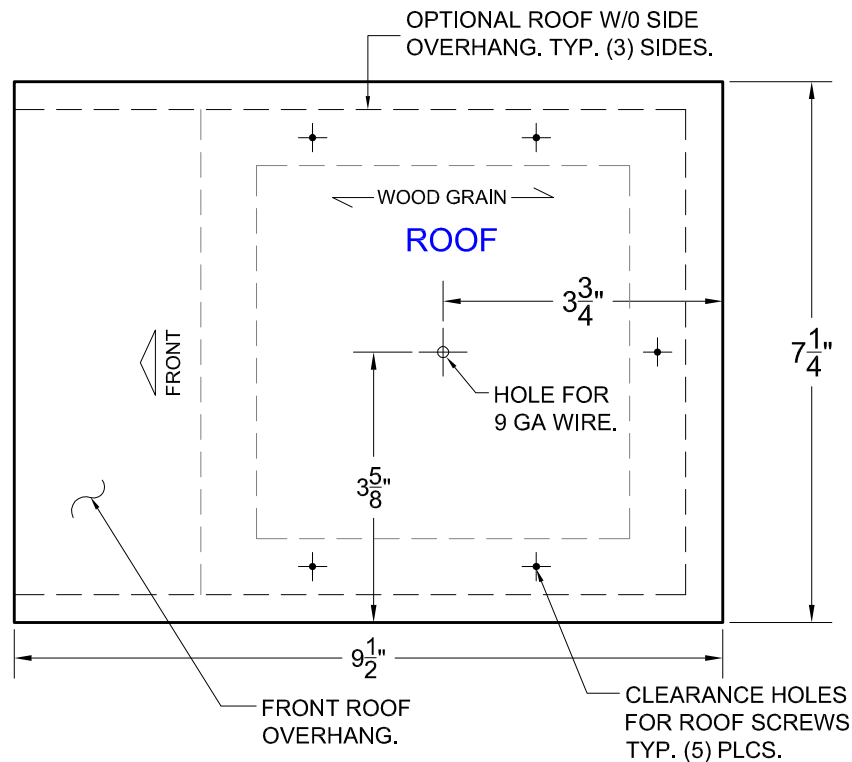
DOOR DETAIL

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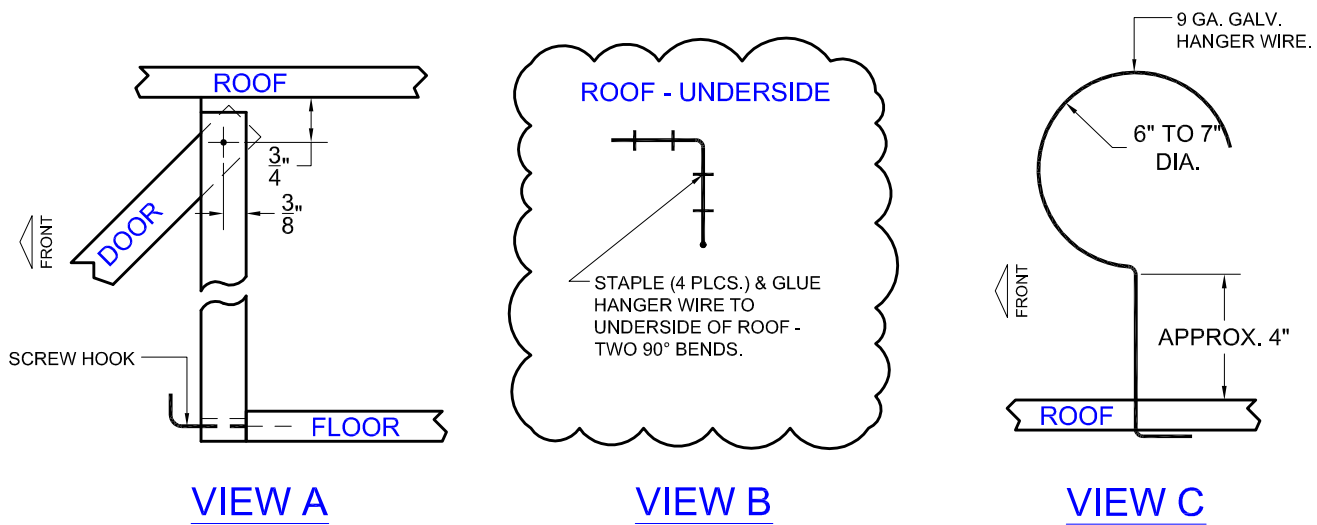


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Roof Detail & Detail Views



ROOF DETAIL



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Construction / Assembly Notes

1. These plans are based on $\frac{3}{4}$ " planks. Make adjustments for other lumber thickness before measuring & cutting.
2. 1" x 8" planks ($\frac{3}{4}$ " x 7- $\frac{3}{4}$ ") of pine are recommended; cedar (non-aromatic) and redwood may also be used. Do not use treated wood or plywood.
3. Initial assembly. Assemble floor, sides & back using a good quality wood glue, nails and/or drywall screws. Titebond II Premium Wood Glue is recommended for wood surfaces. Use a countersink to make screws flush. Brush all nails and screws with WD-40 to lubricate and prevent rust.
4. Modify front Door:
 - 4.1. Cut entry hole as indicated. Sand edges.
 - 4.2. kerf cuts as indicated - Optional, western bluebirds don't appear to use them.
 - 4.3. Screw hook slot - at center of bottom edge; drill hole and relief cuts to edge to form the slot. Sand edges.
5. Attach Front Door as shown in **View A** using Galv. nails as pivots. The Door is cut $\frac{1}{16}$ " narrower & $\frac{1}{4}$ " shorter than the door opening to afford easy opening & closing, ventilation and drainage. The Floor bottom inset provides a finger-hold for door operation.
6. Drill a pilot hole in floor as indicated in **View A** and screw in the hook until a quarter- twist provides firm closure of the front door.
7. Cut 9 GA Galv. hanger wire to 24" length. Make two 1" 90 degree bends in end of wire as indicated in **View B**. Insert wire into bottom of roof and secure with large staples and glue as indicated. Make the wire hook by initially bending wire toward front at 90 degrees approx. 4" above roof surface. Using pliers and possibly a mandrel (i.e. one gallon paint can) bend wire into a smooth loop from 6" to 7" in diameter as indicated in **View C**. The opening in the hanger loop should face the rear of the nestbox.
8. Position roof with the hanger wire over the cavity center and the large overhang in front. Secure with glue and drywall screws as indicated.
9. Fill any surface holes or joint gaps with wood filler or DAP caulk and sand smooth.
10. Sand all sharp edges to round for better paint adhesion. Apply outdoor stain or paint (water based) to external surfaces only. A medium to light color is best if the nestbox will be exposed to direct sunlight.
11. Hang the nestbox 8' or more above ground in trees or from structures with the entry hole away from the prevailing wind.

Happy Bluebirding!

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