



SHIELD YOUR PET FROM THE ELEMENTS

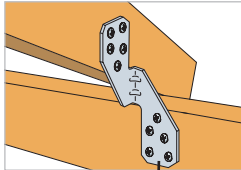
Dog House

Give man's best friend a comfortable new home. Build this raised-floor pet shelter quickly with Simpson Strong-Tie® connectors, a few 2x4s, plywood, and the roofing/siding material of your choice. A DIY dog house is an economical alternative to a store-bought one, and you can custom size it for your pet.

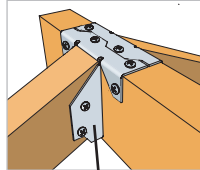


Check out our installation and building tip videos at diydoneright.com.

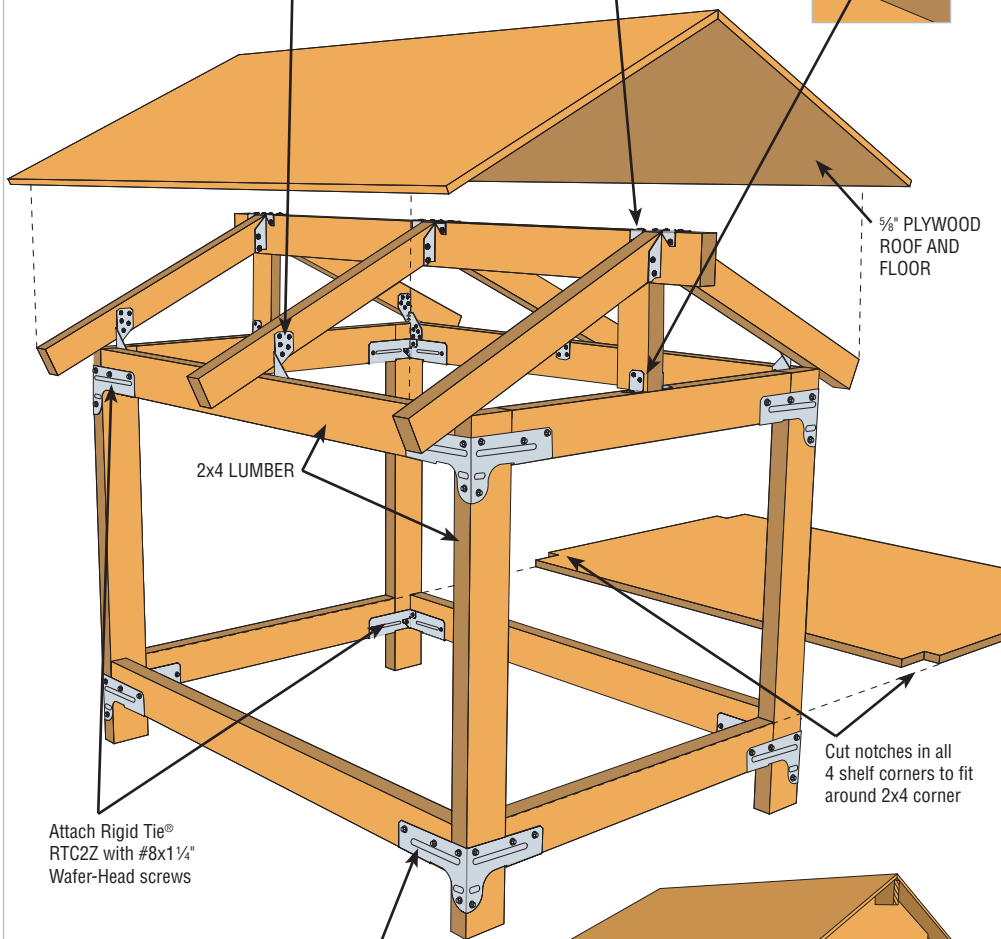
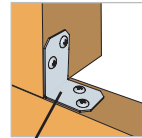
H2.5A tie connects rafter to frame



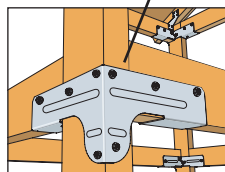
RR Ridge Rafter connector



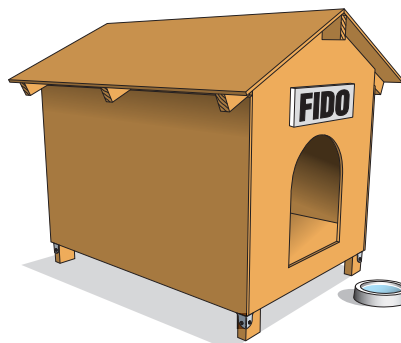
A21 angle



Attach Rigid Tie® RTC2Z with #8x1 1/4" Wafer-Head screws



Rigid Tie® RTC2Z connector



Finish with exterior-grade plywood, or vinyl siding and asphalt roofing shingles

TOOLS YOU NEED

- Saw
- Screw gun
- #2 Phillips head bit
- Tape measure
- Clamps
- Framing square
- Straight edge
- Hammer

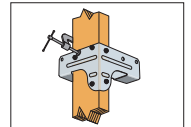
RIGID TIE® RTC2Z CONNECTOR INSTALLATION INSTRUCTIONS

1. CUT LUMBER AND PLYWOOD TO SIZE.

Since all of your cuts are straight cuts, Simpson Strong-Tie® connectors simplify building with wood.

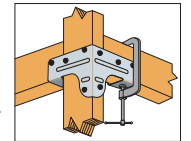
2. INSTALL CONNECTOR ON VERTICAL POST.

Mark height, clamp connector to post and attach with Simpson Strong-Tie® #8x1 1/4" Wafer-Head screws. No pre-drilling is needed.



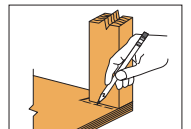
3. CONNECT HORIZONTAL RAIL ON EACH SIDE.

Use a clamp to help hold the wood in the seat of the connector during installation.



4. NOTCH CORNERS OF PLYWOOD SHELVES.

Use a piece of 2x4 on each corner of the shelf, trace and cut to accommodate corner posts.

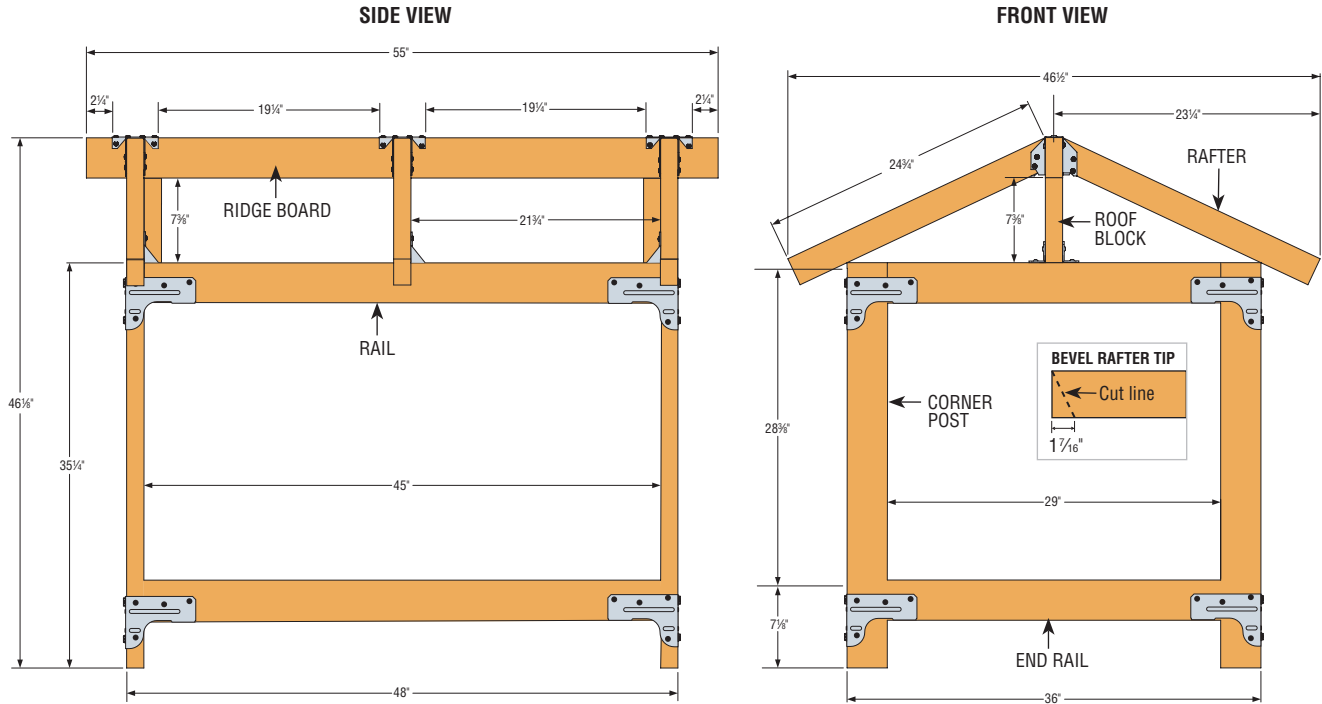




MATERIALS AND CUTTING DIAGRAM



3 ft. x 4 ft. Dog House



FOR THIS PROJECT YOU WILL NEED:

LUMBER

- (7) – pieces of 2x4 8 ft. lumber
- (4) – 4 ft. x 8 ft. sheets of 5/8" plywood

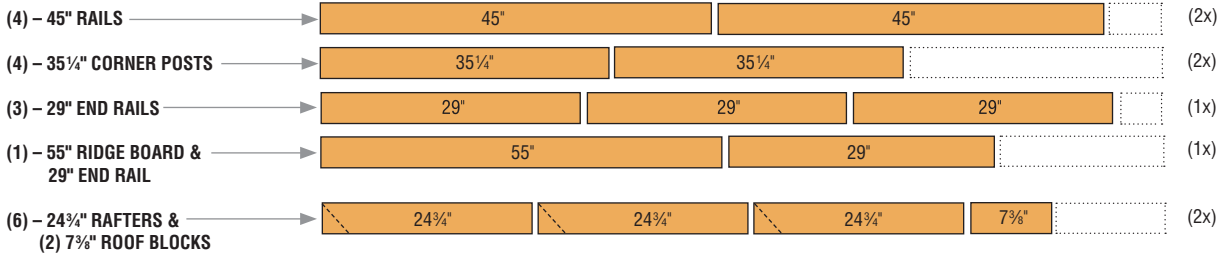
SIMPSON STRONG-TIE® CONNECTORS*

- (8) – Rigid Tie® RTC2Z connectors
- (6) – RR Ridge connectors
- (6) – H2.5A connectors
- (4) – A21 angles

FASTENERS

- (2) – BOXES Simpson Strong-Tie® #8x1 1/4" Wafer-Head screws
- (120) – #6x1 1/4" flat-head screws or 4d nails

CUT FROM 2x4 x 8' LUMBER

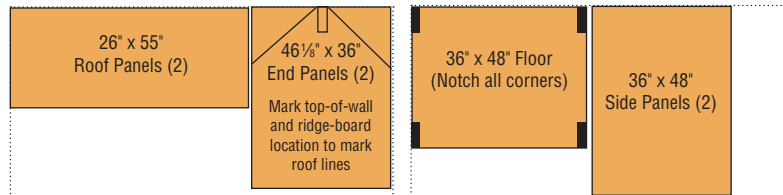


CUT FROM PLYWOOD

- (2) – 26" x 55" ROOF PANELS

- (1) – 36" x 48" FLOOR

Attach with #6x1 1/4" flat-head screws or 4d nails at 8" spacing



ROOF-BUILDING SEQUENCE:

1. Measure and attach the roof blocks
2. Attach rafters to the ridge board
3. Lift assembly and rest ridge board on roof blocks
4. Attach rafter to top of walls

SHEATHING TIP: When sheathing over the RTC connectors a slight bulge may appear in the plywood. If this is unacceptable, it is recommended that 1/4" - 1/2" furring strips be attached with finish nails along the outside of surfaces to be sheathed prior to installing the plywood.

WOOD/FINISH/ROOFING: Before making a wood-type or finish choice, make sure it is safe for your pet. Dimensions can be modified to fit your specific needs. Use roofing material of your choice. Underlayment and asphalt shingles are recommended. Follow manufacturer's instructions for installation.

***CORROSION INFORMATION:** We recommend using our ZMAX® galvanized product for best results on exterior projects and those using preservative-treated wood. These products have a "Z" at the end of the model number (ex. RTC2Z). ZMAX® coated products provide additional corrosion resistance, which is advisable, but not required, for non-structural projects like the one shown above. Visit strongtie.com/info for critical information.

The construction plan for this project is designed to be completed by people with basic carpentry skills in standard situations. If your situation is unique, talk with someone with detailed carpentry or construction experience before starting your project. Particular attention was paid to the steps and details in this plan, but they cannot be guaranteed to be error free. Simpson Strong-Tie shall not be responsible for any possible loss, damage or injury resulting directly or indirectly from the information contained here.

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