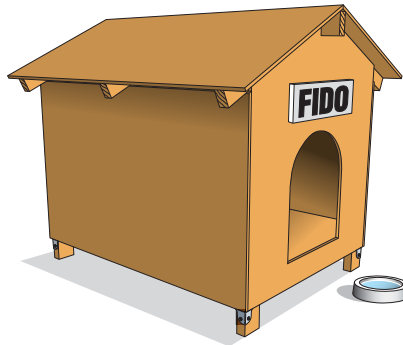


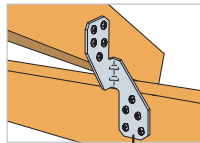
Dog House

STRONG-TIE
DIYTM

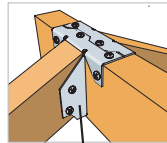
Give man's best friend a comfortable new home. Build this raised-floor pet shelter quickly with Simpson Strong-Tie® connectors, a few 2x4s, plywood, and the roofing/siding material of your choice. A DIY dog house is an economical alternative to a store-bought one, and you can custom size it for your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



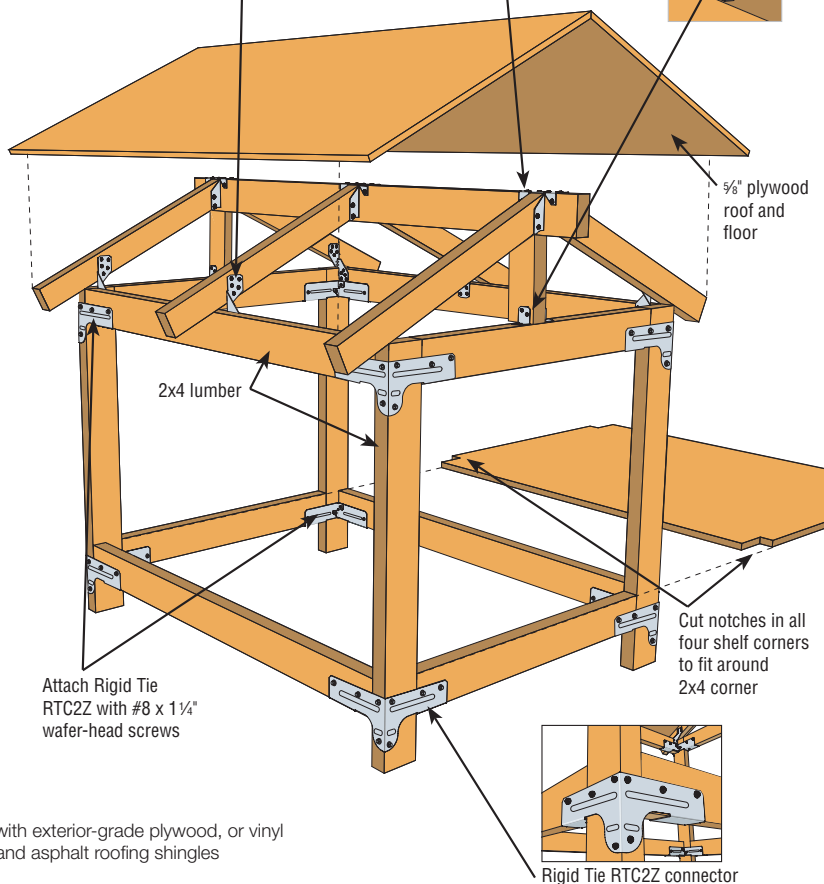
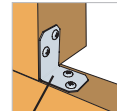
H2.5A tie connects rafter to frame



RR Ridge Rafter connector



A21 angle



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

TOOLS NEEDED

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

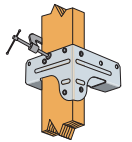
INSTALLATION INSTRUCTIONS

1. Cut lumber and plywood to size.

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

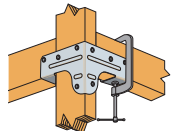
2. Install connector on vertical post.

Mark height, clamp connector to post and attach with Simpson Strong-Tie #8 x 1 1/4" wafer-head screws. No predrilling is needed.



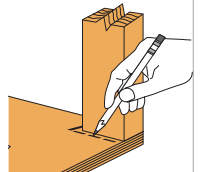
3. Connect horizontal rail on each side.

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

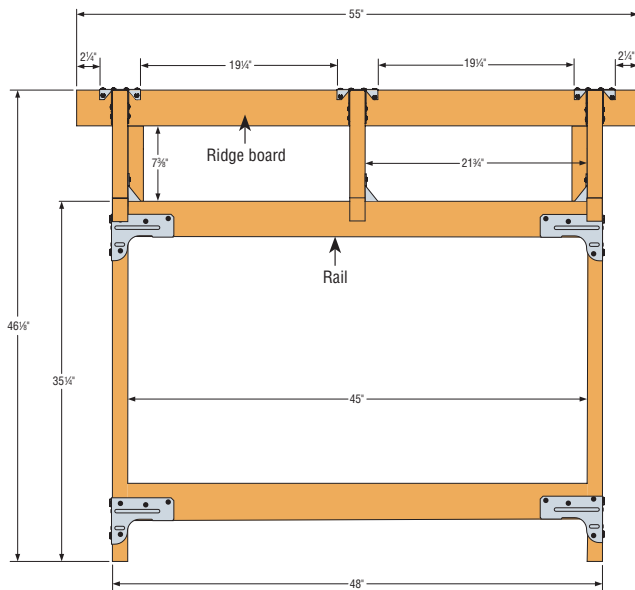


4. Notch corners of plywood shelves.

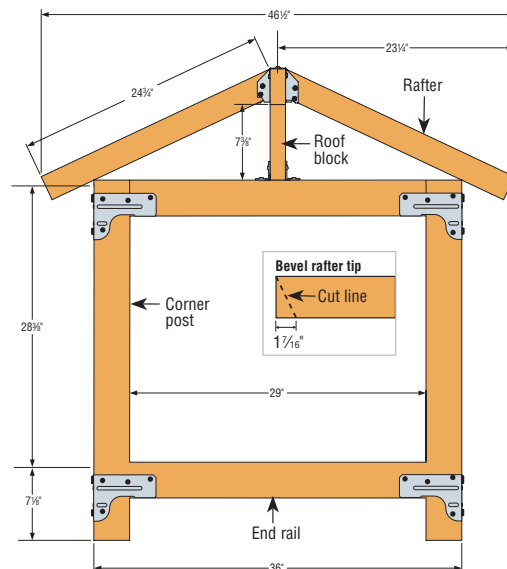
Use a piece of 2x4 on each corner of the shelf, trace and cut to accommodate corner posts.



Materials and Cut Diagram



Side View



Front View

Hardware Needed

- (8) Rigid Tie® RTC2Z connectors
- (6) RR Ridge connectors
- (6) H2.5A connectors
- (4) A21 angles
- (2) Boxes Simpson Strong-Tie® #8 x 1 1/4" wafer-head screws
- (120) #6 x 1 1/4" flat-head screws or (4d) nails

Lumber Needed

- (7) Pieces 2x4 x 8'
- (4) Pieces 4' x 8' sheet of 5/8" plywood

Cut List

Cut from 2x4 x 8'

(4) 45" rails	45"	45"		(2x)	
(4) 35¼" corner post	35¼"	35¼"		(2x)	
(3) 29" end rails	29"	29"	29"	(1x)	
(1) 55" ridge board and 29" end rail	55"	29"		(1x)	
(4) 24¾" rafters and (2) 7⅞" roof blocks	24¾"	24¾"	24¾"	7⅞"	(2x)

Cut from plywood

(2) 26" x 55" roof panels	26" x 55" roof panels (2)
(1) 36" x 48" floor	46 1/2" x 36" end panels (2)
	36" x 48" floor (notch all corners)
(2) 46 1/2" x 36" end panels	36" x 48" side panels (2)
(2) 36" x 48" side panels	

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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