

# E-Z FRAME SHED GUIDE<sup>®</sup>

10' x 10' • 10' x 12' • 10' x 14' • 10' x 16'



## STEP 1. GENERAL

Prior to beginning construction, the area selected for the shed location must be level and cleared of obstructions.

## STEP 2. INVENTORY

Separate all lumber, hardware, etc. into individual stacks of like items.

## STEP 3. FRAME PREPARATION

Unfold each frame, setting aside two frames to be used as end walls. From 1" x 4" pine boards, cut metal gusset plates 6" long;

- 20 for a 10' building
- 24 for a 12' building
- 28 for a 14' building
- 32 for a 16' building

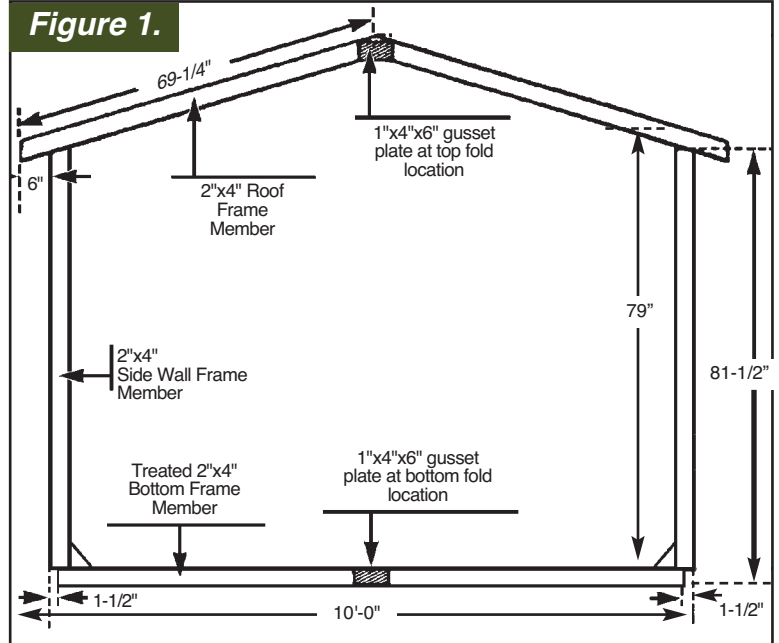
Apply gusset plates on each side of the top and bottom fold locations. Use four 8d nails on each gusset plate. Frames used as end walls require only one gusset plate at the top and bottom on the side opposite the metal plates. **See Figure 1.**

## STEP 4. BACK WALL FRAME

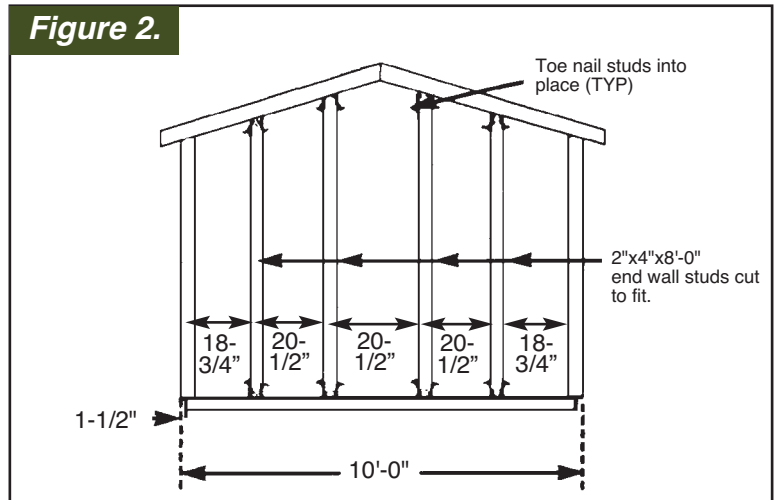
Using one frame selected as an end wall, measure and mark stud locations according to dimensions shown in **Figure 2**. Place the proper length 2" x 4" stud at those locations. Mark required length and angles. Cut each 2" x 4" to fit. Toe nail studs into place using (2) 8d nails top and bottom. **See Figure 2.**

Lumber listed as nominal sizes.

**Figure 1.**



**Figure 2.**



## STEP 5. FRONT WALL FRAMING

Using the remaining end wall frame, repeat step 4, using **Figure 3** as a guide.

**NOTE:** In order to keep moisture from wicking into the siding, keep the bottom of the siding 1" above the bottom of the treated bottom frame member.

## STEP 6. SIDING BACK WALL

Cut one 4'x8' sheet of siding in half, leaving two pieces 24" wide by 96" long. Place one cut piece face down, side by side next to two full 4'x8' sheets. Place cut edge at the corner as shown in **Figure 4**. Place the back wall frame on top and trace roof line. Remove frame and cut lines. Properly place siding on the frame and nail in place, using 6d nails every 8" on center. **See Figure 4.**

## STEP 7. SIDING FRONT WALL

Cut the 24"x96" piece remaining into two pieces 12"x96". Place these pieces and two full 4'x8' sheets of siding face down, side by side, as shown in **Figure 5**. Place the front wall frame on top of the siding, trace the roof line and door opening on the siding and remove frame. Prior to cutting lines representing the door, extend door outline 1" in all directions. Cut "new" lines. Mark the two cut-out-pieces-"door"-and set aside to be used later. Properly place siding on frame and nail down using 6d nails every 8" on center. **See Figure 5.**

**NOTE:** Some siding pieces will need to be butted together, so a clean straight cut is necessary.

**NOTE:** In order to keep moisture from wicking into the siding, keep the bottom of the siding 1" above the bottom of the treated bottom frame member.

## STEP 8. SIDING FRONT WALL

From two treated 2" x 4", cut two rim joists:

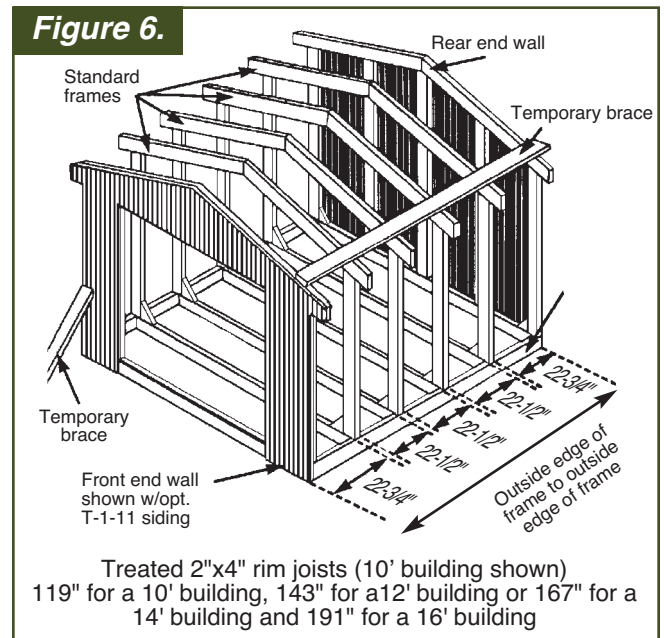
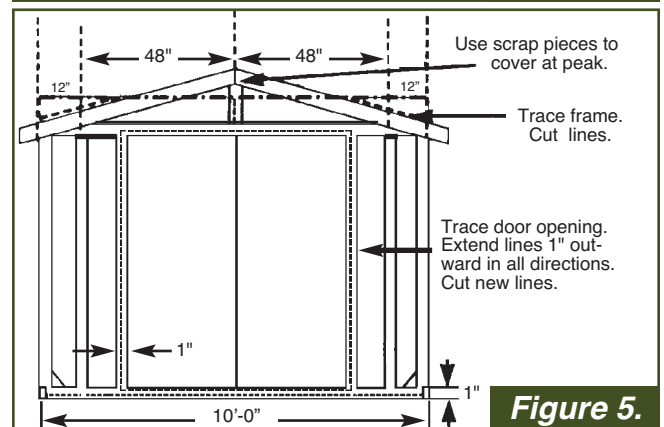
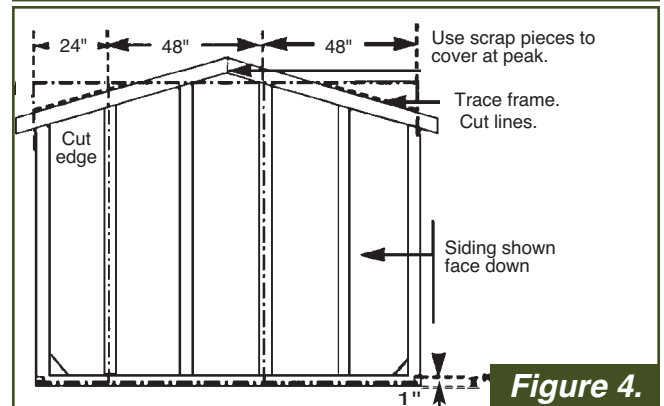
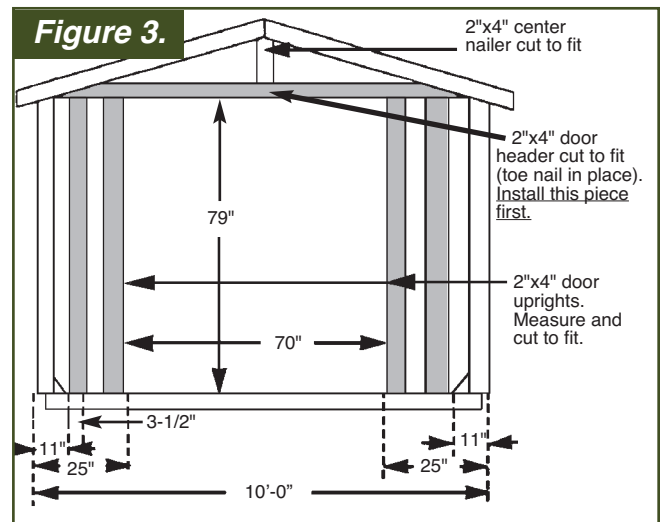
- 119" for a 10' building
- 143" for a 12' building
- 167" for a 14' building
- 191" for a 16' building

Place the rim joists 10' apart in the area where the shed is to be set. Stand the front and back walls up at the proper ends of the rim joists. Nail rim joists to the end walls using 10d nails. Temporarily brace both ends. **See Figure 6.**

Stand the remaining frames up:

- 4 for a 10' building
- 5 for a 12' building
- 6 for a 14' building
- 7 for a 16' building

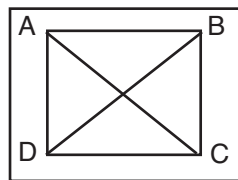
Nail to rim joists at dimensions shown. Place a temporary brace across the roof frame members.



## STEP 9. SQUARE THE BUILDING

At base of building, measure diagonally. Adjust building until  $AC=BD$ . Building is then square. **See Figure 7.**

**Figure 7.**

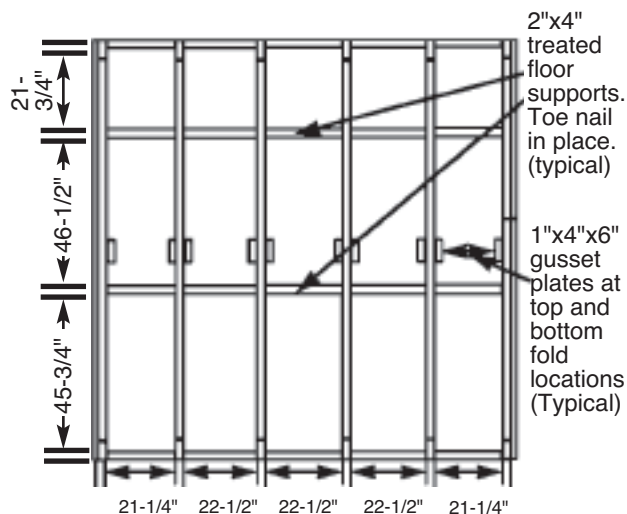


## STEP 10. FLOOR SUPPORTS

From the remaining treated 2"x 4" cut four 21-1/4" floor supports and the required amount of 22-1/2" floor supports:

- 6 for a 10' building
- 8 for a 12' building
- 10 for a 14' building
- 12 for a 16' building

Install as shown in **Figure 8**, using 10d nails.



**Figure 8.**

## STEP 11. FLOOR SHEATHING

- 10' Building: From two 4' x 8' sheets of floor sheathing, cut two pieces 48" x 95-1/2" long. From another 4' x 8' sheet, cut one piece 24" wide by 95-1/2" long and one piece 24" x 23-1/2". From one 4' x 8' sheet cut two pieces 48" x 23-1/2". Nail in place using 8d nails 8" on center.
- 12' Building: From two 4' x 8' sheets of floor sheathing, cut two pieces 48" x 95-1/2". From another 4' x 8' sheet, cut two pieces 48" x 47-1/2". From one 4' x 8' sheet, cut one piece 24" x 47-1/2" long and one piece 24" x 95-1/2". Nail in place using 8d nails 8" on center.
- 14' Building: From two 4' x 8' sheets of flooring, cut two pieces 48" wide by 95-1/2" long. From two other 4' x 8' sheets, cut two pieces 48" wide by 71-1/2" long. From one 4' x 8' sheet cut one piece 24" wide by 95-1/2" long and one 24" x 71-1/2" long. Nail in place using 8d nails every 8" on center.
- 16' Building: From four 4' x 8' sheets of flooring, cut four pieces 48" x 95-1/2" long. From one more sheet cut two pieces 24" x 95-1/2" long. Nail in place using 8d nails every 8" on center.

**NOTE:** Floor sheathing must be notched to fit around side wall frame members. Stagger end butt joints front to back.

## STEP 12. SIDING SIDE WALLS

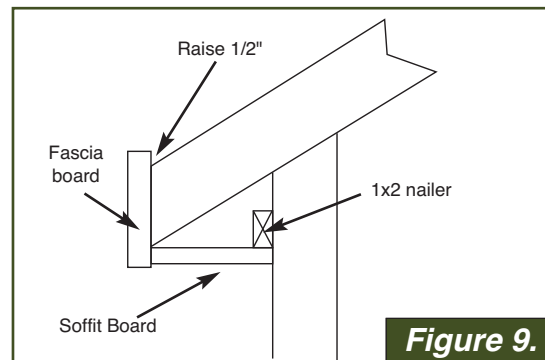
- 10' Building: Cut five 4' x 8' sheets of siding to 83" long. Cut one 48" x 83" piece into two pieces 23-1/2" wide, cut two pieces 48" wide to 47-1/2" wide leaving two pieces 48" wide.
- 12' Building: Cut six 4' x 8' sheets of siding to 83" long. Cut four of those pieces to 47-1/2" wide leaving the other two pieces 48" wide.
- 14' Building: Cut seven 4' x 8' sheets of siding to 83" long. Cut one 48" x 83" piece into two pieces 23-1/2" wide. Cut two pieces 48" wide to 47-1/2" wide leaving four pieces 48" wide.
- 16' Building: Cut eight 4' x 8' sheets of siding to 83" long. Cut four pieces 48" wide to 47-1/2" wide leaving four pieces 48" wide.

**NOTE:** In order to prevent wicking of moisture into the siding, keep the bottom of the siding 1" above the bottom of the treated bottom frame member. If T-1-11 siding is used, place cut edges at corners. Make certain end walls and frames are plumb, (vertically level) and then apply siding using 6d nails. Siding must be notched at the top to fit around the E-Z frame overhang.

## STEP 13. FASCIA TRIM

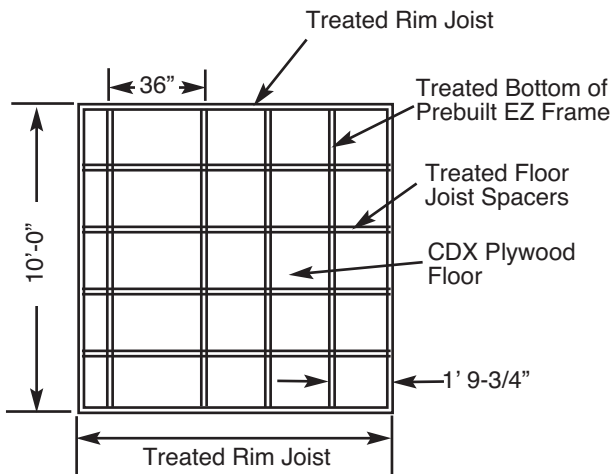
- 10' Building: Measure two 1" x 6" x 10' trim boards.
- 12' Building: Measure two 1" x 6" x 12' trim boards.
- 14' Building: Measure two 1" x 6" x 14' trim boards.
- 16' Building: Measure two 1" x 6" x 16' trim boards.

Nail to the exposed ends of the roof frame members, using 6d nails. Top edge of fascia boards should be 1/2" above the top of the roof frame member. This will cover the exposed edge of the roof sheathing. **See Figure 9.**

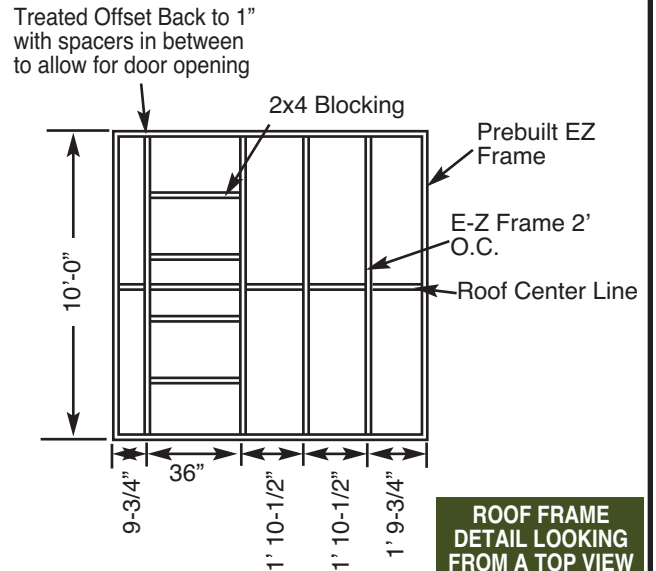


**Figure 9.**

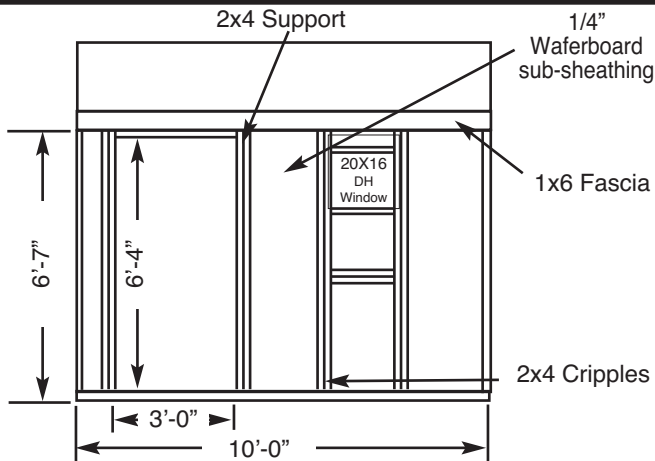
# GABLE SHED WINDOW & DOOR OPTIONS



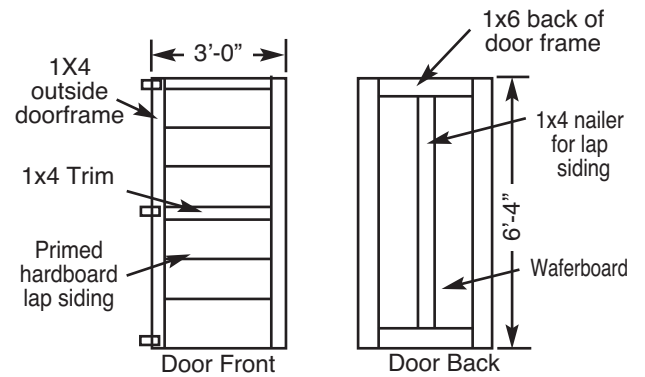
**Floor Plan**



**ROOF FRAME  
DETAIL LOOKING  
FROM A TOP VIEW**



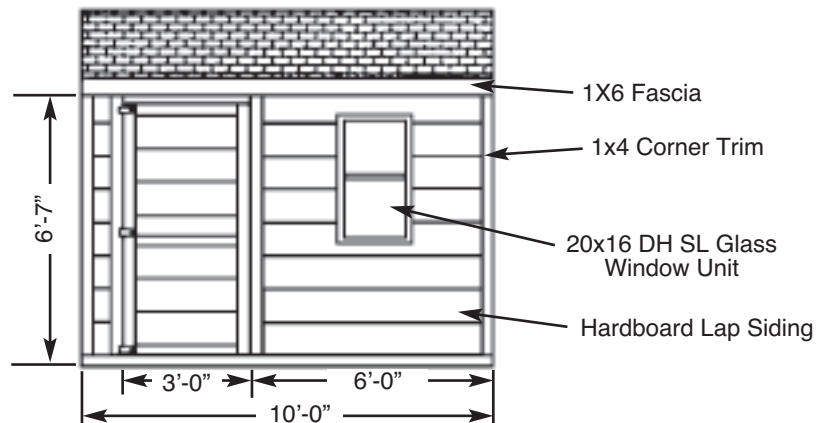
**Wall Detail**



**Wall Detail**

Note: Cut 1/4" waferboard to door size, trim inside and outside of door as shown, then apply primed hardboard siding

**Side View**



## STEP 14. SOFFIT

- 10' Building: Apply 1" x 6" x 10' soffit boards underneath with 8d box nails.
- 12' Building: Apply 1" x 6" x 12' underneath with 8d box nails.
- 14' Building: Apply 1" x 6" x 14' underneath with 8d box nails.
- 16' Building: Apply 1" x 6" x 10' and a 1" x 6" x 6' board. **See Figure 9.**

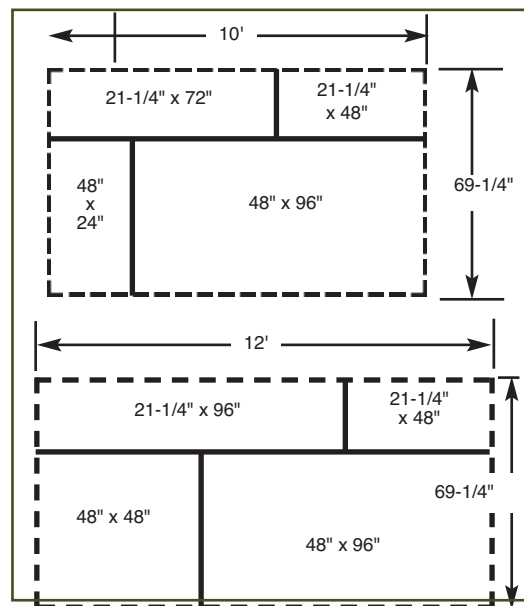
## STEP 15. ROOF

• 10' Building: From one 4' x 8' sheet of roof sheathing, cut two pieces 21-1/4" x 72". From another sheet, cut two pieces 24" x 48" and two pieces 21-1/4" x 48". Use two more 48" x 96" sheets. Stagger pieces and nail with 6d nails 8" O.C.

• 12' Building: From one sheet of roof sheathing, cut two pieces 48" x 48". From another sheet, cut two pieces 21-1/4" x 48". From another sheet cut two pieces 21-1/4" x 96". Use two more 48" x 96" sheets. Stagger pieces and nail with 6d nails 8" O.C.

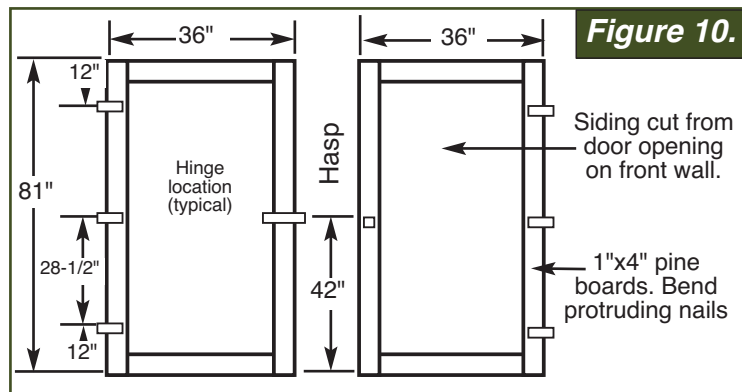
• 14' Building: From one 4' x 8' sheet of roof sheathing, cut two pieces 21-1/4" x 72". Cut two 4' x 8' sheets to 72" long. Cut one 4' x 8' sheet into two 21-1/4" x 96" pieces. Use two more 48" x 96" sheets. Stagger butt ends front to back. Nail into place using 6d nails every 8" O.C.

• 16' Building: From two 4' x 8' sheets of roof sheathing, cut four pieces 21-1/4" x 96". Cut two pieces of 4' x 8' sheathing into 4 pieces 48" x 48". Use two more sheets 48" x 96". Stagger butt ends and nail into place.



## STEP 16. DOOR FRAMING

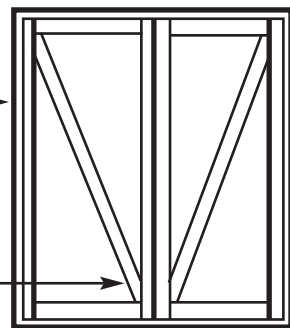
From 1" x 4" trim boards, cut the trim pieces for the doors. Attach to the previously cut and marked door pieces of siding. Apply hinges and hasp. **See Figure 10** for dimensions.



### Inside View (door braces)

Allow 1" gap around the entire outside door edge.

Nail through face of siding to secure 2" x 4" door braces. Toe nail 2" x 4" at joints to stiffen.



## STEP 17. TRIM

The outer door frame will require one 1" x 4" piece 79" long and two 1" x 4" pieces 81" long. Cut four pieces of 1" x 4" x 8' to 80" long for the sidewall corner trim. **See Figure 11** for quantity and dimensions for the balance of trim pieces.

**NOTE:** Tack gable end pieces in place and check fit. Make any required cut adjustments prior to permanently nailing into place.

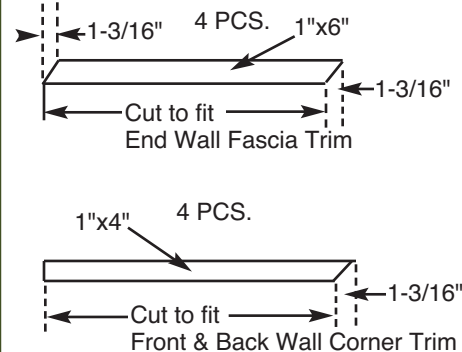
## STEP 18. FINISHING ROOF

(Apply roof edge & felt) as per instructions apply shingles (printed on bundles).

## STEP 19. FINISHING BUILDING

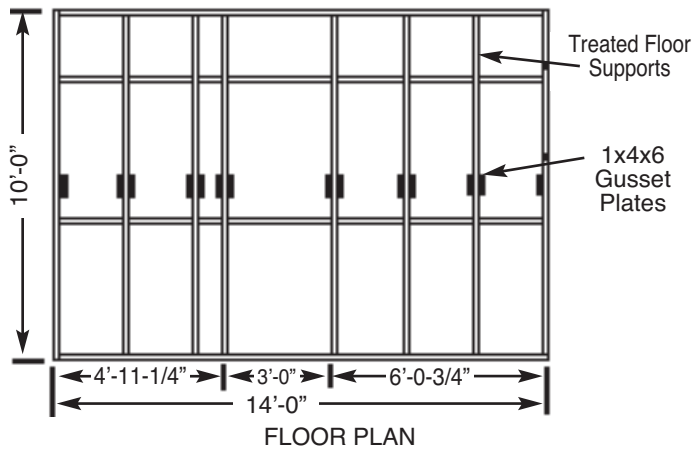
Paint and/or stain as desired.

**Figure 11.**

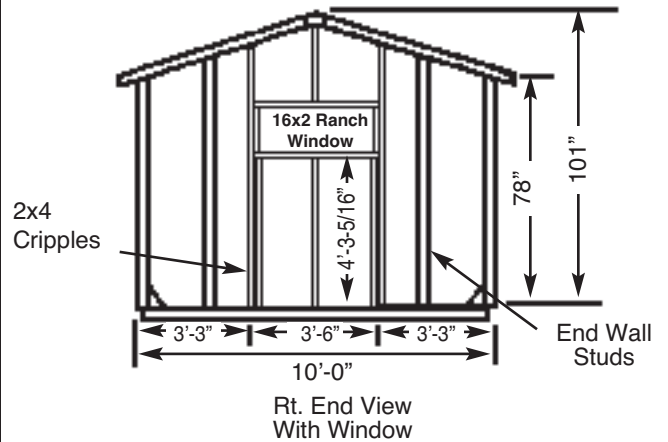


# GABLE SHED WINDOW & DOOR OPTIONS

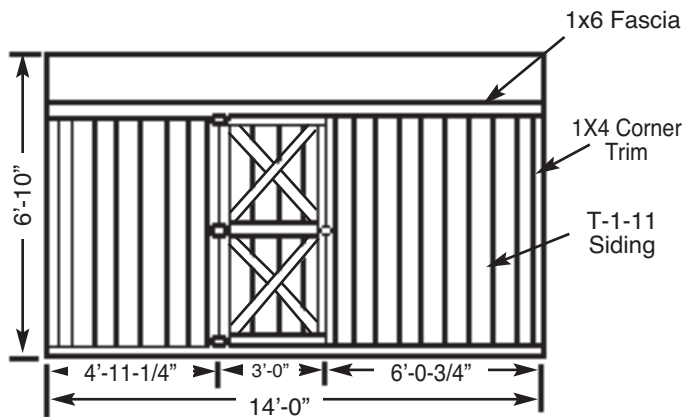
## Treated Rim Joist



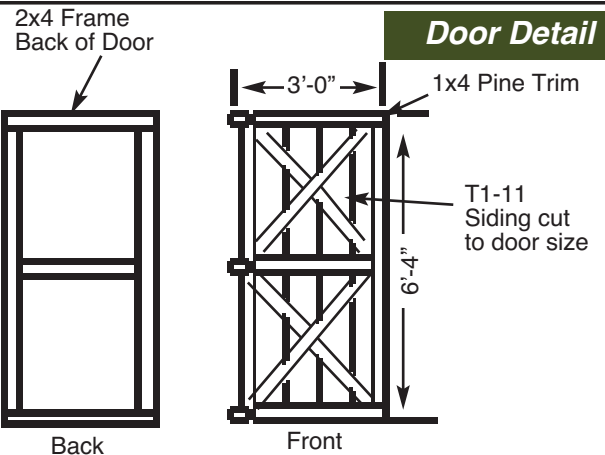
Note: Gusset Plate and Brace Roof Area The Same As The Floor Detail



## Rt. End View With Window

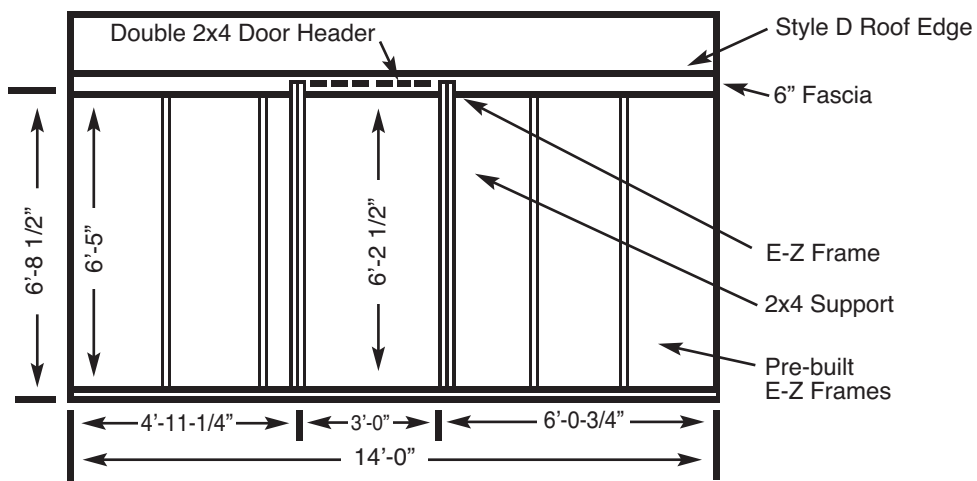


## Side View With Single Door



NOTE: Cut T-1-11 to door size and trim front and back before door is installed

## Wall Detail



PLEASE NOTE: This shed guide is intended solely to provide general knowledge as to one of the ways a shed may be constructed using materials available from Menards. We suggest you check with your local building officials regarding site location, permit procedures, safety regulations and specifications of materials used to construct your new storage shed. Builders who utilize this aid must proceed at their own risk and are solely responsible for complying with all building codes which pertain in their community. Menards hereby disclaims all liability for any damages whether consequential, incidental, special or otherwise, which may result from following this do-it-yourself aid.