Village of Brown Deer

4800 W. Green Brook Dr.
Brown Deer, WI 53223
414-371-3030 / Fax 414-371-3045

PERMIT NO:

PPR___-_____

BUILDING PERMIT APPLICATION

PB 20-0210

☐ One & Two Family ☐ Commercial

Project Address:					
OWNER: BRIAN T. KENNEDY			Owner Telephone: 414-614-4725		
Mailing Address: 8752 N. DEERWOOD DRIVE			City: BROWN DEER	State: WI	Zip: 53209
To Be Occupied By: KURT SCHULZ DECK			Telephone: 414-354-1004		
CONTRACTOR: SAME			Contractor Telephone:		
Address:			Qualifier Name: (Print Name)		
City:	State:	Zip:	City:	State:	Zip:
Dwelling Contractor No:		Expires:	Dwelling Contractor Qualifier No:	Expires:	
Architect/Design Engineer Firm: (If Applicable)			Contact Person: (Print Name)	Telephone:	
Address:			City:	State:	Zip:

Addition		Fascia / Soffit		Found. Repair	
Alterations		Fence ($30.00 fee)		Re-Roofing	
Building Board		Finished Basement		Shed	85.00
Deck ($85.00 fee)		Fireplace		Siding	
EROSION CONTROL	(YOU MUST FILL OUT SEPARATE EROSION CONTROL PERMIT)			Other	

Square Footage Under Construction Sq. Ft.	Estimated Cost of Work (You must put in a total) $ 3500.00
DOUBLE FEES FOR WORK STARTED BEFORE OBTAINING A PERMIT	TOTAL PERMIT FEE $

State in detail the kind of occupancy or work to be performed: (Mention alterations, replacements, fence, etc.)

12' X 16' SHED WITH ROLL DOOR BUILT AT THE BACK OF PARKING LOT 10 FEET OFF PROPERTY LINE.

Inspections are required before any work is concealed, when work is complete and prior to occupancy or use. Please have permit number and address when requesting inspections. Please give at least 24 hours notice. FINAL INSPECTIONS ARE MANDATORY.

It is Hereby Agreed between the undersigned as owner or his/her agent, and the Village of Brown Deer, that for and in consideration of the premises and of the permit to construct erect, alter or install and the occupancy of building as above described, to be issued and granted by the Building Inspector, that the work thereon will be done in accordance with the descriptions herein set forth in this statement, and as more fully described in the specifications and plans herewith filed; and it is further agreed to construct, erect, alter or install and occupy in strict compliance with the ordinances of the Village of Brown Deer, and to obey any and all ~~lawful~~ orders of the Building Inspector of the Village of Brown Deer, and all State Laws relating to the construction, alteration, repairs, removal and safety of buildings and other structures and permanent building equipment.

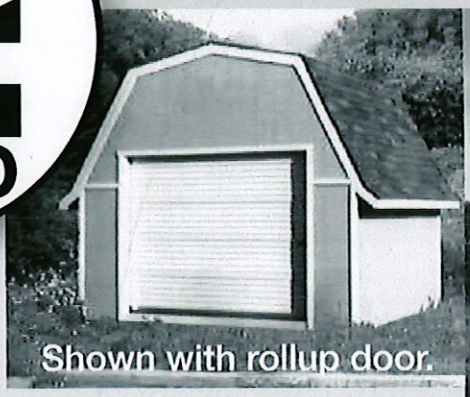
Signature Of Applicant: _____ Date: 10/12/2020

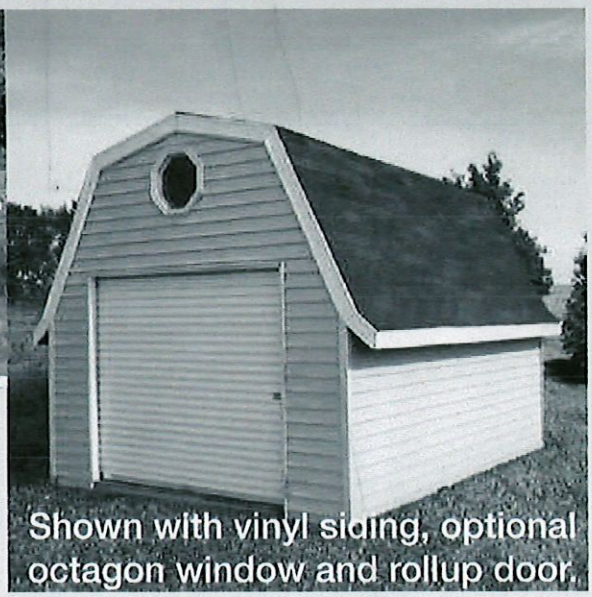
(If owners signature, I acknowledge that I have read and understand the cautionary & ~~statute~~ statements)

Revised 12/13/16

E-Z BUILD BARN GUIDE

12'×12' • 12'×16' • 12'×20'


Shown with rollup door.


Shown with vinyl siding, optional octagon window and rollup door.

North American softwood dimensional lumber sizes:

Nominal	Actual in × in
1 × 4	¾ × 3½
1 × 6	¾ × 5½
2 × 4	1½ × 3½
2 × 6	1½ × 5½

You can construct your own E-Z frame barn with the help of this step by step guide.

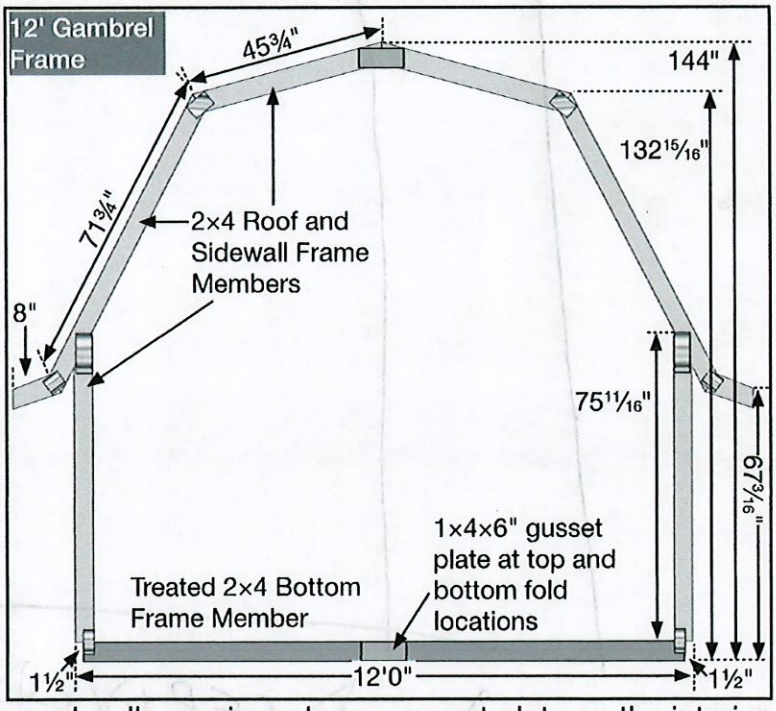
STEP 1. GENERAL

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.

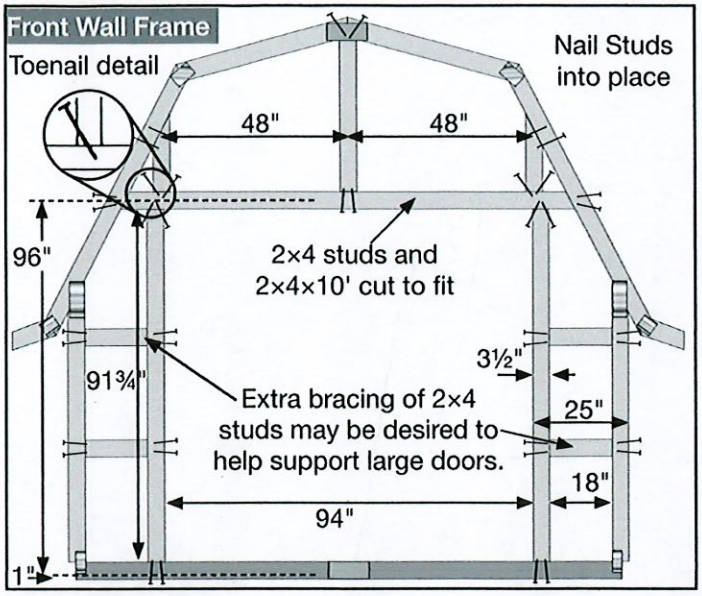
STEP 3. FRAME PREPARATION

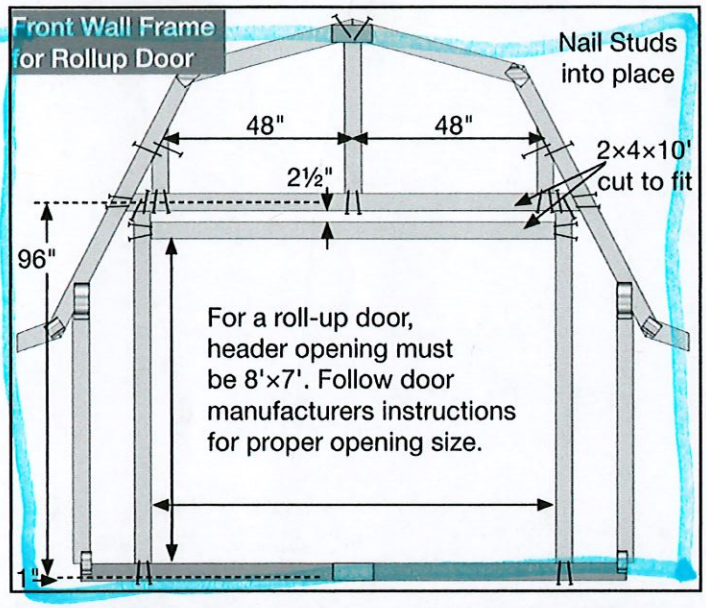


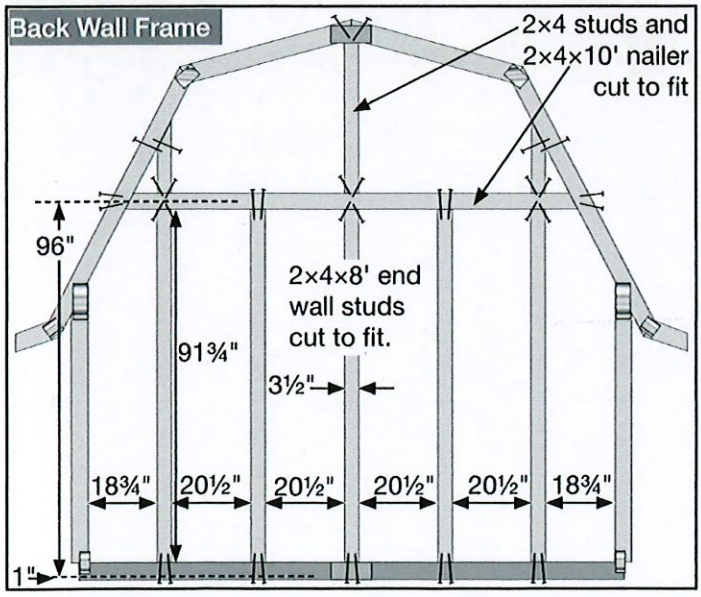
Unfold each frame, setting aside (2) frames to be used as end walls. For gusset plates cut 1×4 pine boards 6" long: 16 for an 8' building; 24 for a 12'; 32 for 16'; and 40 for a 20'. Apply gusset plates on each side of the top and bottom fold locations. Use (4) 8d nails on each gusset plate. Frames used as end walls require only one gusset plate on the interior sides opposite the metal plates. **See diagram.**

PLEASE NOTE: This shed construction aid is intended solely to provide general knowledge as to one of the ways a shed may be constructed. 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. Midwest Manufacturing hereby disclaims all liability for any damages whether consequential, incidental, special or otherwise, which may result from following this do-it yourself aid.

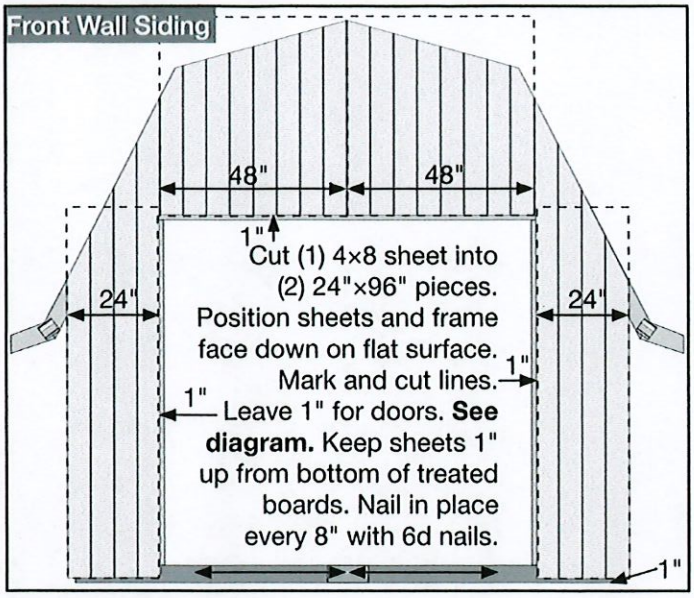
STEP 4. END WALL FRAMING

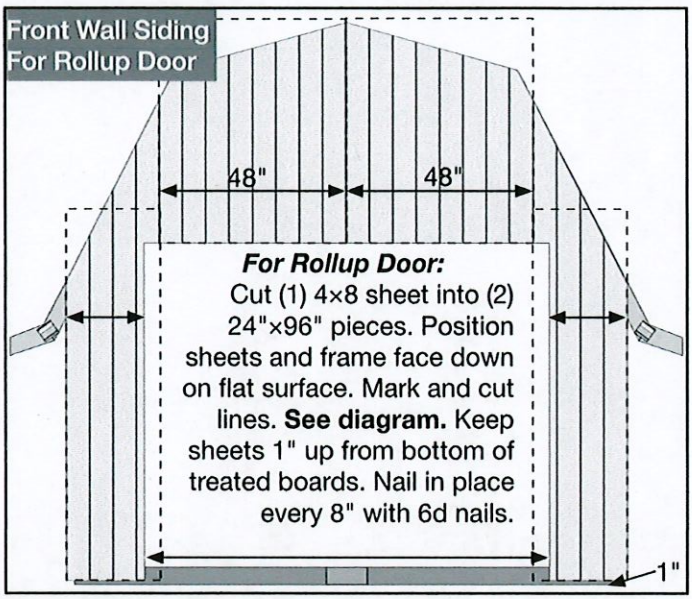


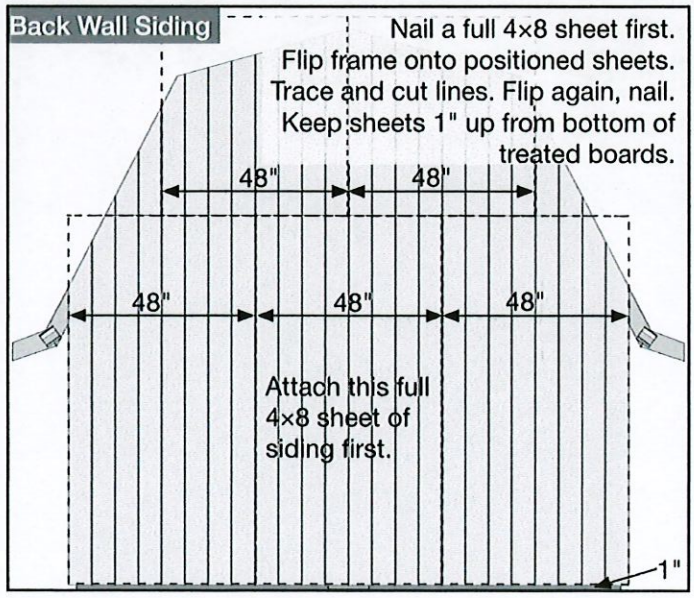




STEP 5. END WALL SIDING

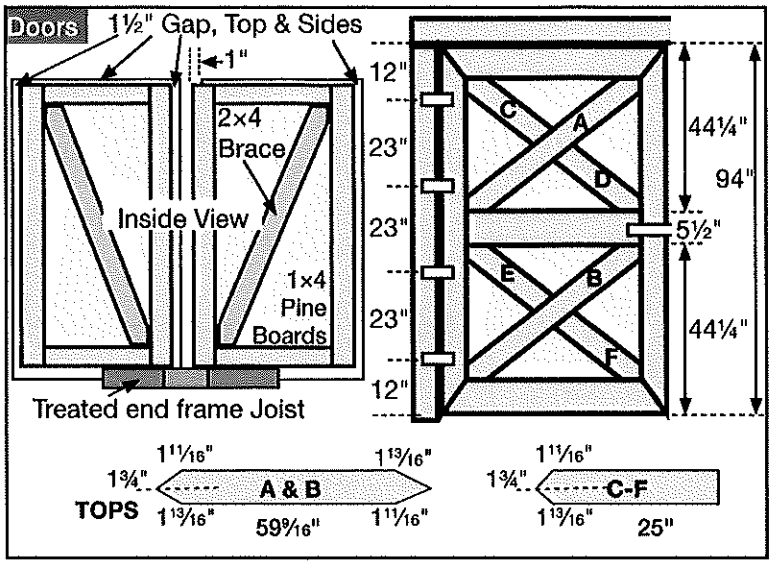






STEP 6. DOORS

For your doors, cut (2) 4×8 sheets of siding to 48"×94". Attach 1×4 boards 1½" in from the top and sides of the interior sides of the doors. On one door extend a 1×4 board out 1" at the center. Ensure the bottom boards clear floor sheathing and treated end frame joist. Bend protruding 8d nails. Cut and fasten 2×4 cross braces. Miter 1×6 frame and stile, and 1×4 crossbuck trim boards for the exterior of the door with cross trim. **See diagram.** Apply hinges and hasp. While still on a flat surface, attach 1×4 trim to front wall frame and fasten doors.



STEP 7. RAISE FRAMES

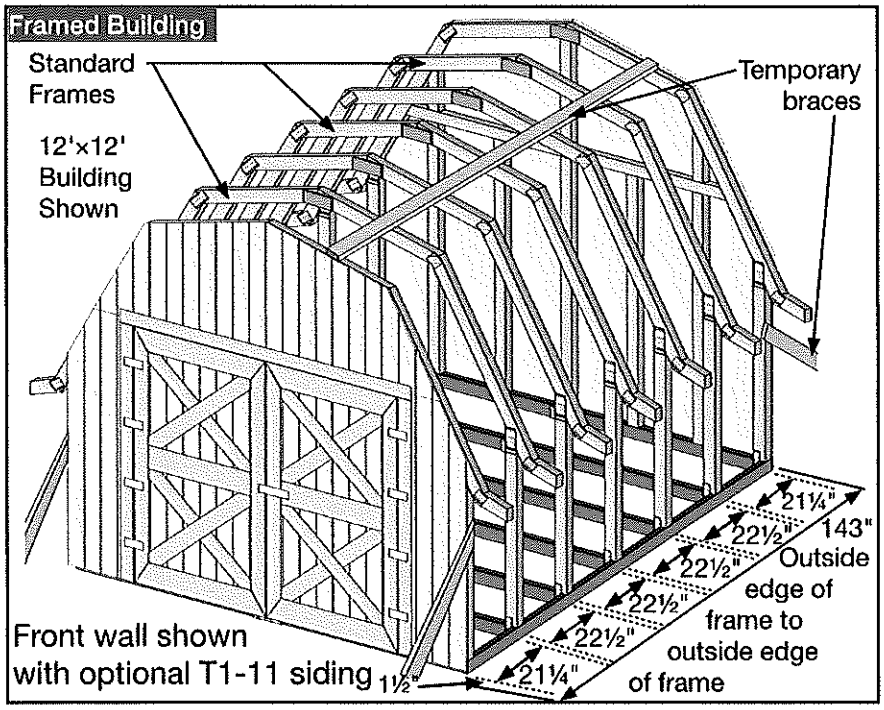
From treated 2×4s cut rim joists:

- 143" for a 12'
- 191" for a 16'
- 239" for a 20'

Place the cut rim joists 12' apart. Brace front and back walls up at the proper ends. Nail rim joists to the walls using 10d nails. Stand the remaining frames up:

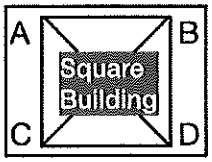
- 5 for a 12' bldg
- 7 for a 16' bldg
- 9 for a 20' bldg.

Nail to rim joists. Install a temporary brace across low roof member. **See diagram.**



STEP 8. SQUARE BUILDING

At base of building, measure diagonally. Adjust until AD=BC. Building is then square.

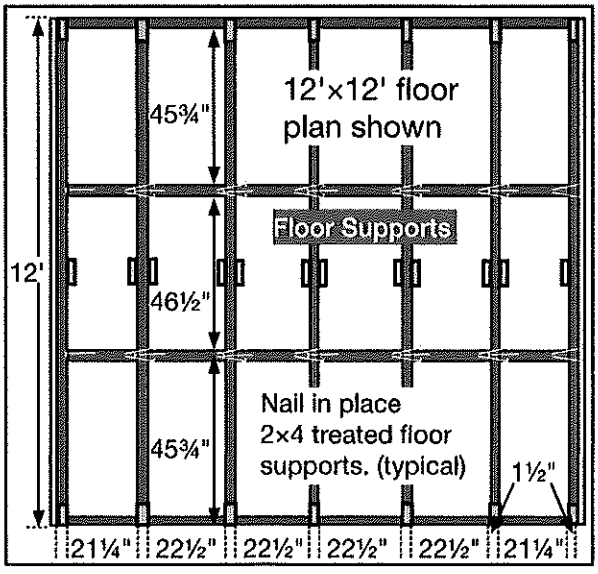


STEP 9. FLOOR SUPPORTS

From treated 2×4s cut (4) 21¼" floor supports. Then cut 22½" floor supports:

- 8 for a 12' building
- 12 for a 16' building
- 16 for a 20' building

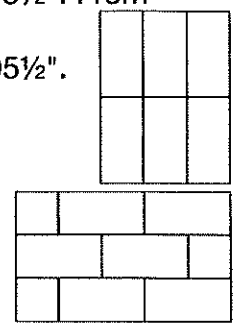
See diagram. Attach using 10d nails.

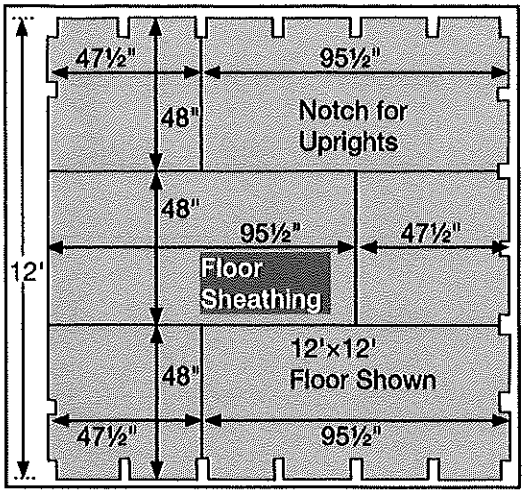


STEP 10. FLOOR SHEATHING

- **12' Building:** Cut (3) ¾" 4×8 sheets to 48"×95½". From (2) ¾" 4×8 sheets cut (3) 47½"×48" pieces.
- **16' Building:** Cut (6) ¾" 4×8 sheets to 48"×95½".
- **20' Building:** Use (3) full ¾" 4×8 sheets. Cut (3) ¾" 4×8 sheets to 48"×95½". From (2) ¾" 4×8 sheets cut (3) 47½"×48" pieces.

Notch to fit frames and adjust as necessary.
Stagger end butt joints front to back.
Fasten using 8d nails every 8".



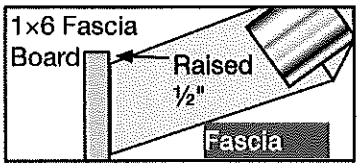


STEP 11. SIDING SIDE WALLS

- **12' Building** Cut (6) 4×8 sheets of siding to 71"; **•16' Building** Cut (8) 4×8 sheets of siding to 71"; • **20' Building** Cut (10) 4×8 sheets of siding to 71".

All splicing is done on centers of frames. Notch siding at the top to fit around E-Z frame overhangs. Make certain end walls and frames are plumb (vertically level) then fasten using 6d nails every 8".

STEP 12. FASCIA



Nail 1×6 trim boards to exposed ends of roof overhangs for the fascia using 8d nails. The top edge of the fascia board should be ½" above the top of the roof frame member to cover the exposed roof sheathing edge.

- **12' Building Eave Fascia** - Use (2) 1×6×12' trim boards.
- **16' Building Eave Fascia** - Use (4) 1×6×8' trim boards.
- **20' Building Eave Fascia** - Use (4) 1×6×10' trim boards.

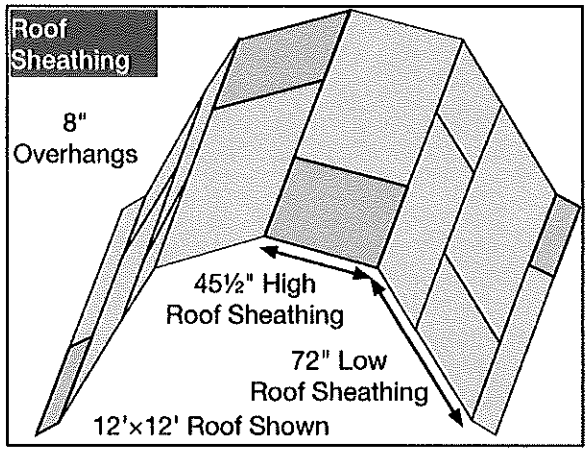
STEP 13. ROOF & TRIMS

Nail roof sheathing in place using 6d nails every 8" O.C. Stagger sheathing end joints whenever possible.

•12' Building: Overhangs: from (1) 4×8 sheet of OSB roof sheathing, cut (2) 8"×96" and (2) 8"×48" pieces.

72" Low Roof: Using the 24"×96" piece left from the overhangs, cut (2) 24"×48". From (1) 4×8 OSB sheet, cut (2) 48"×48". Cut another 4×8 sheet into (2) 24"×96". You'll also need (2) full uncut 4×8 OSB sheets.

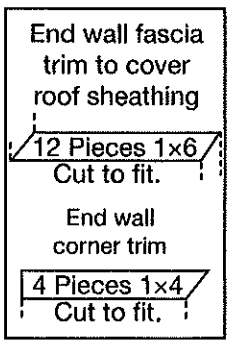
45½" High Roof: Cut (3) OSB 4×8 sheets to 45½" wide. From (1) of those cut (2) 45½"×48".



•16' Building: Overhangs: from a 4×8 OSB sheet cut (4) pieces 8"×96". **72" Low Roof:** From (2) 4×8 OSB sheets cut (4) 24"×96". You'll also need (2) full uncut 4×8 OSB sheets. **45½" High Roof:** Cut (4) 4×8 OSB sheets to 45½"×96".

•20' Building: Overhang: from a 4×8 OSB sheet of roof sheathing, cut (4) 8"×96" and (2) 8"×48". **72" Low Roof:** From (2) 4×8 OSB sheets cut (4) 24"×96"; from another, cut (2) 24"×48"; from another, cut (2) 48"×48". You'll also need (4) full uncut 4×8 OSB sheets. **45½" High Roof:** Cut (5) 4×8 OSB sheets to 45½"×96". From (1) of those, cut (2) 45½"×48".

Apply roof edge and felt. Apply shingles per instructions printed on bundles.



Cut to fit and attach end wall fascia trim from 1×6 boards to cover sheathing ends. From 1×4 boards, measure and cut (8) corner trim pieces. From a 1×4×10' piece mark and cut trim for the top of the door opening, extending out to meet the lower roof trim. Nail to building.