

Owner's Manual & Assembly Instructions

YU01

Model No. **EPA104**



716450510

Storage Area: 35 Sq. Ft. 188 Cu. Ft.
3,3 m² 5,3 m³



CAUTION: SOME PARTS HAVE SHARP EDGES. CARE MUST BE TAKEN WHEN HANDLING THE VARIOUS PIECES TO AVOID A MISHAP. FOR SAFETY SAKE, PLEASE READ SAFETY INFORMATION PROVIDED IN THIS MANUAL BEFORE BEGINNING CONSTRUCTION. WEAR GLOVES WHEN HANDLING METAL PARTS.

BUILDING DIMENSIONS * Size rounded off to the nearest foot

*Approx. Size	Foundation Size	Exterior Dimensions (Roof Edge to Roof Edge)			Interior Dimensions (Wall to Wall)			Door Opening	
		Width	Depth	Height	Width	Depth	Height	Width	Height
10' x 4'	121" x 45 1/4"	123 1/2"	47"	67 3/4"	118 1/4"	42 1/2"	66 9/16"	55 1/2"	60"
3,0 m x 1,1 m	307,3 cm x 114,9 cm	313,1 cm	119,4 cm	172,1 cm	300,4 cm	108,0 cm	169,1 cm	141,0 cm	152,4 cm

BEFORE YOU BEGIN....

XA02

Owner's Manual

Before beginning construction, check local building codes regarding footings, location and other requirements. Study and understand this owner's manual.

Important information and helpful tips will make your construction easier and more enjoyable.

Assembly Instructions: Instructions are supplied in this manual and contain all appropriate information for your building model. Review all instructions before you begin, and during assembly, follow the step sequence carefully for successful results.

Flooring and Anchoring: Your storage building must be anchored to prevent wind damage. A base is necessary to construct a square and level building. Anchoring and base materials are not included with your building. Your assembly instructions provide information on a few methods commonly used to secure and level a storage building.

Parts and Parts List: Check to be sure that you have all the necessary parts for your building.

- All part numbers can be found on the parts. All of these numbers (before the -) must agree with the numbers on the parts list. The parts list is located on page 9.

- If you find that a part is missing, include the model number of your building and contact the retailer where you purchased your shed.**

- Separate contents of the carton by the part number while reviewing parts list. The first few steps show how to join related parts to make larger sub assemblies which will be used later.

- Familiarize yourself with the hardware and fasteners for easier use during construction. These are packaged within the carton. Note that extra fasteners have been supplied for your convenience.

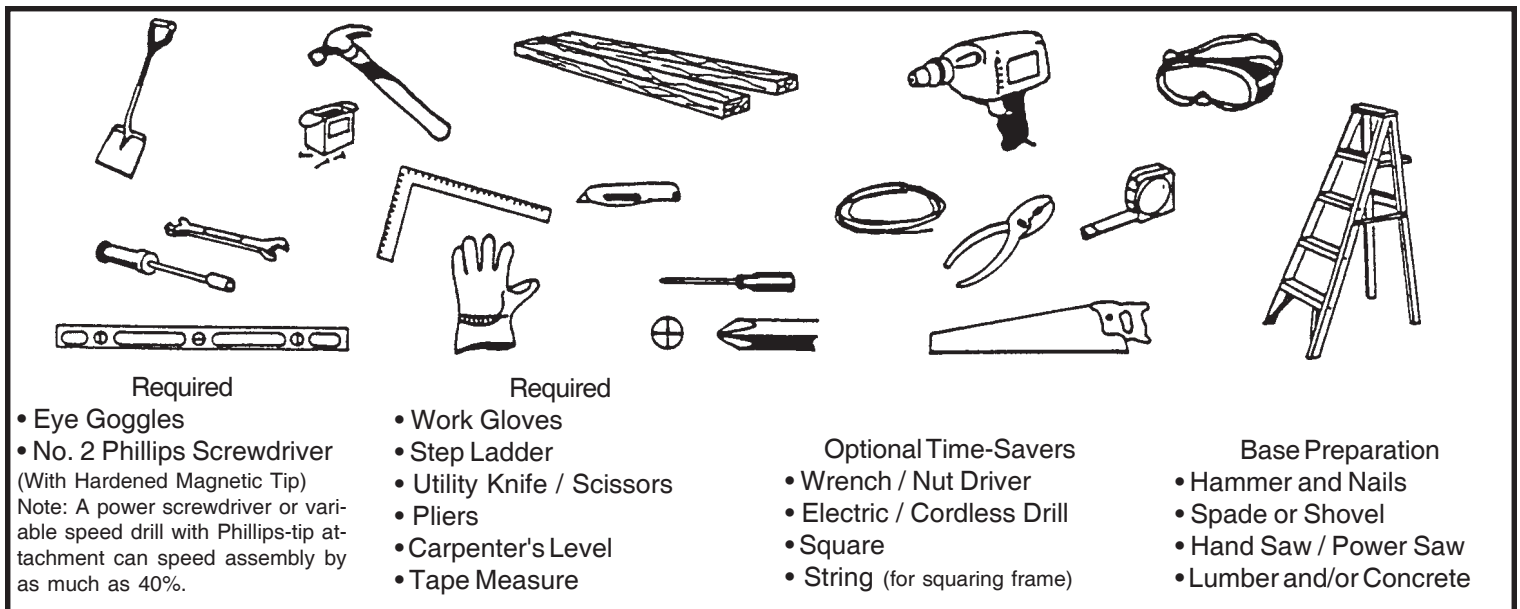
PLAN AHEAD....

XA03

Watch the Weather: Be sure the day you select to install your building is dry and calm. Do not attempt to assemble your building on a windy day. Be careful on wet or muddy ground.

Teamwork: Whenever possible, two or more people should work together to assemble your building. One person can position parts or panels while the other is able to handle the fasteners and the tools.

Tools and Materials: These are some basic tools and materials you will need for the construction of your building. Decide which method of anchoring and the type of base you wish to use in order to form a complete list of the materials you will need.



Selecting and Preparing Your Site: Before assembly, you will want to decide on a location for your building. The best location is a level area with good drainage.

- Allow enough working space for ease of moving parts into position during assembly. Be sure there will be enough space at entrance for doors to open fully and enough space around the building to be able to fasten the panel screws from the outside.

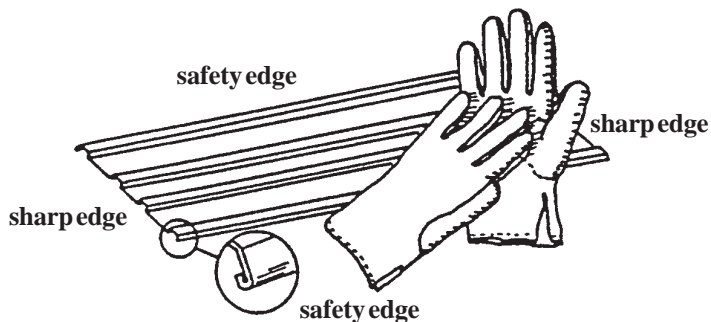
- Before you begin the first steps in assembling your parts, a base should be constructed and an anchoring system should be ready to use.

SAFETY FIRST....

XA04

Safety precautions are important to follow throughout the construction of your building.

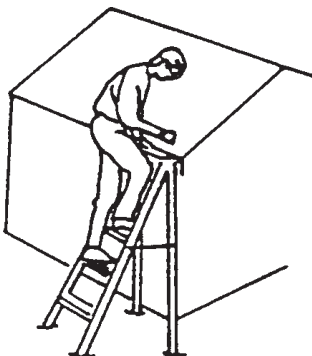
- Care must be taken when handling various pieces of your building since some contain sharp edges. Please wear work gloves, eye protection and long sleeves when assembling or performing any maintenance on your building.



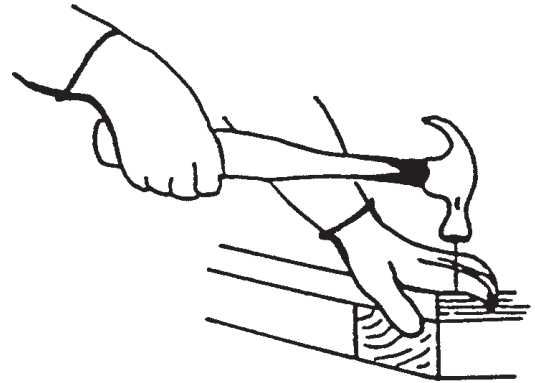
- Keep children and pets away from worksite to avoid distractions and any accidents which may occur.



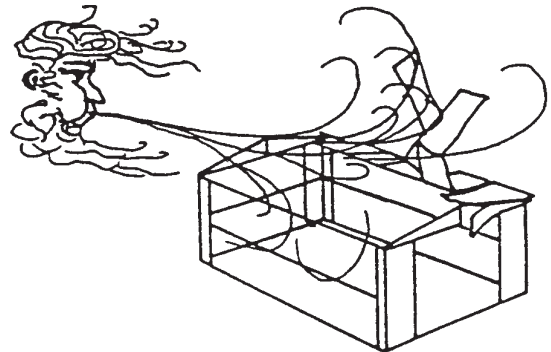
- Never concentrate your total weight on the roof of the building. When using a step ladder make sure that it is fully open and on even ground before climbing on it.



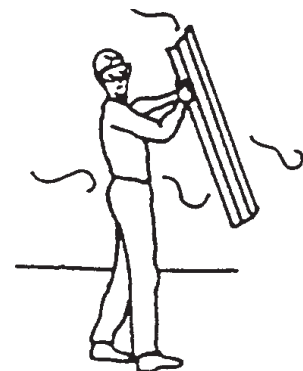
- Practice caution with the tools being used in the assembly of this building. Be familiar with the operation of all power tools.



- Do not attempt to assemble the building if parts are missing because any building left partially assembled may be seriously damaged by light winds.



- Do not attempt to assemble the building on a windy day, because the large panels acting as a "sail", can be whipped about by the wind making construction difficult and unsafe.



CARE & MAINTENANCE....

XA05

Finish: For long lasting finish, periodically clean and wax the exterior surface. Touch-up scratches as soon as you notice them on your unit. Immediately clean the area with a wire brush; wash it and apply touch-up paint per manufacturer's recommendation.

Roof: Keep roof clear of leaves and snow with long handled, soft-bristled broom. Heavy amounts of snow on roof can damage building making it unsafe to enter.

Doors: Always keep the door tracks clear of dirt and other debris that prevent them from sliding easily. Lubricate door track annually with furniture polish or silicone spray. Keep doors closed and locked to prevent wind damage.

Fasteners: Use all washers supplied to protect against weather infiltration and to protect the metal from being scratched by screws. Regularly check your building for loose screws, bolts, nuts, etc. and retighten them as necessary.

Moisture: A plastic sheet (vapor barrier) placed under the entire floor area with good ventilation will reduce condensation.

Other Tips....

- Wash off inked part numbers on coated panels with soap and water.
- Silicone caulking may be used for watertight seals throughout the building.

Do not store swimming pool chemicals in your building. Combustibles and corrosives must be stored in air tight approved containers.

Keep this Owner's Manual and Assembly Instructions for future reference.

Base

YU06

The Base For Your Building

OPTION 1: Wood Platform

If you decide to build your own base, be sure to select the appropriate materials.

These are the recommended materials for your base:

- 2 x 4's (38 mm x 89 mm) Pressure Treated Lumber
 - 5/8" (15,5 mm) 4 x 8 (1220 mm x 2440 mm) Plywood-exterior grade
- NOTE:** Pressure Treated Lumber must not be used where it will make contact with your storage building. The properties of Pressure Treated Lumber will cause accelerated corrosion.

If Pressure Treated Lumber comes in contact with your storage building your warranty will be voided.

- 10 & 4 penny Galvanized Nails
- Concrete Blocks (optional)

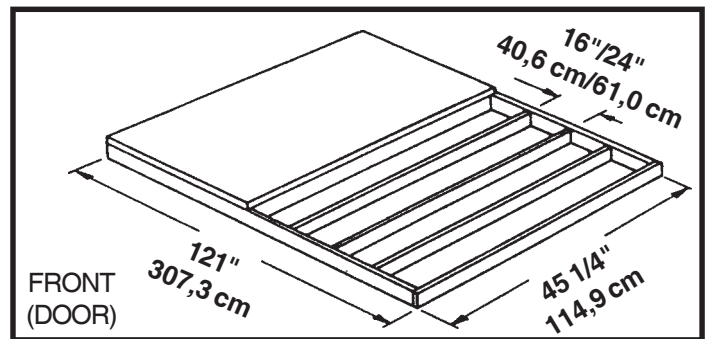
The platform should be level and flat (free of bumps, ridges etc.) to provide good support for the building. The necessary materials may be obtained from your local lumber yard.

To construct the base follow instructions and diagram.

Construct frame (using 10 penny galvanized nails)

Measure 16"/24" (40,6 cm/61,0 cm) sections to construct inside frame (see diagram)

Secure plywood to frame (using 4 penny galvanized nails)



Note: Platform/Slab will extend 9/16" (1,4 cm) beyond floor frame on all four sides. Seal this 9/16" (1,4 cm) of wood with a roofing cement (not included), or bevel this 9/16" (1,4 cm) of concrete when pouring, for good water drainage.

Allow 6 - 7 hours for construction.

OPTION 2: Concrete Slab

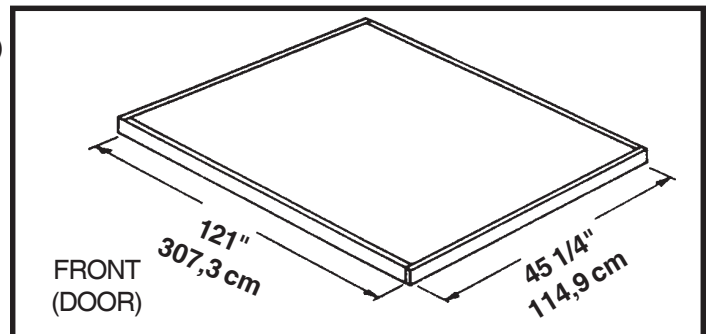
The slab should be at least 4" (10,2 cm) thick. It must be level and flat to provide good support for the frame.

The following are the recommended materials for your base.

- 1 x 4's (19 mm x 89 mm) (will be removed once the concrete cures)
- Concrete
- Sheet of 6 mil plastic
- We recommend for a proper strength concrete to use a mix of:
1 part cement ● 3 parts pea sized gravel ● 2 1/2 parts clean sand

Prepare the Site/Construct a Base

1. Dig a square, 6" (15,2 cm) deep into the ground (remove grass).
2. Fill up to 4" (10,2 cm) in the square with gravel and tamp firm.
3. Cover gravel with a sheet of 6 mil plastic.
4. Construct a wood frame using four planks of 1x4 (19 mm x 89 mm) lumber.
5. Pour in concrete to fill in the hole and the frame giving a total of 4" (10,2 cm) thick concrete. Be sure surface is level.



Note: Finished Slab dimensions, with lumber removed.

Allow 3 - 5 hours for construction and a week for concrete curing time.

Anchoring

XA07

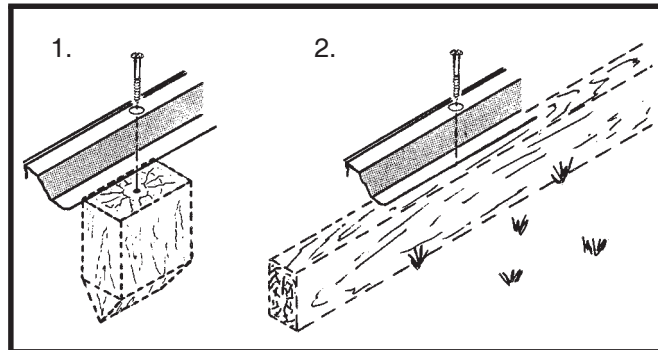
Anchoring Down The Building

It is important that the entire floor frame be anchored after the building is erected.

Below are recommended ways of anchoring.

Anchoring into Wood/Post:

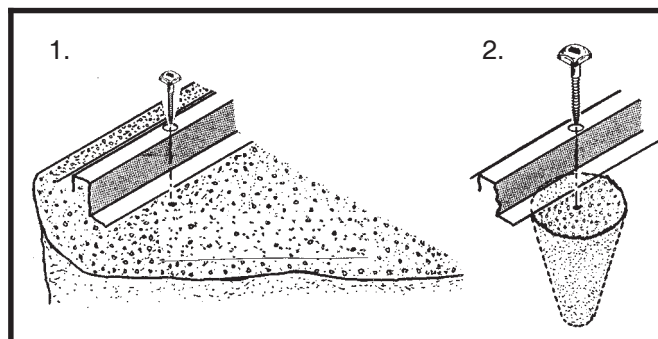
Use 1/4" (6 mm) Wood Screws. There are 1/4" (6 mm) dia. holes provided in the frames for proper anchoring.



Anchoring into Concrete:

1. For poured concrete slab or footing or patio blocks:
Use 1/4" x 2" (6 mm x 51 mm) Lag Screws.

2. For Anchor Post of Concrete poured after building is erected:
Use 1/4" x 6" (6 mm x 152 mm) Lag Screws.



Hardware

YU08

Remove from bag of screws
and save for the last step



65103
#8-32 Hex Nut (60)



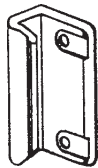
65900A
#10Bx1/2" (13 mm)
Black Screw (8)
(Packed with Screws)



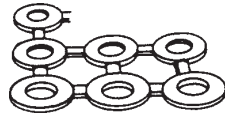
65923
#8-32x3/8" (10 mm)
Bolt (60)



65004
#8Ax5/16" (8 mm)
Screw (246)



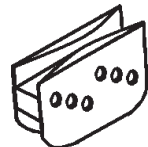
66045
Handle (2)



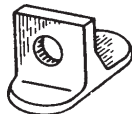
66646
Washer (247)
(7 sheets of 40)



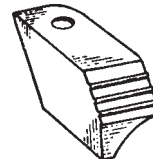
65109
#8-32 Acorn Nut (4)
(Packed with Screws)



66769
Door Slide (4)



66382
Lower Door Guide (4)



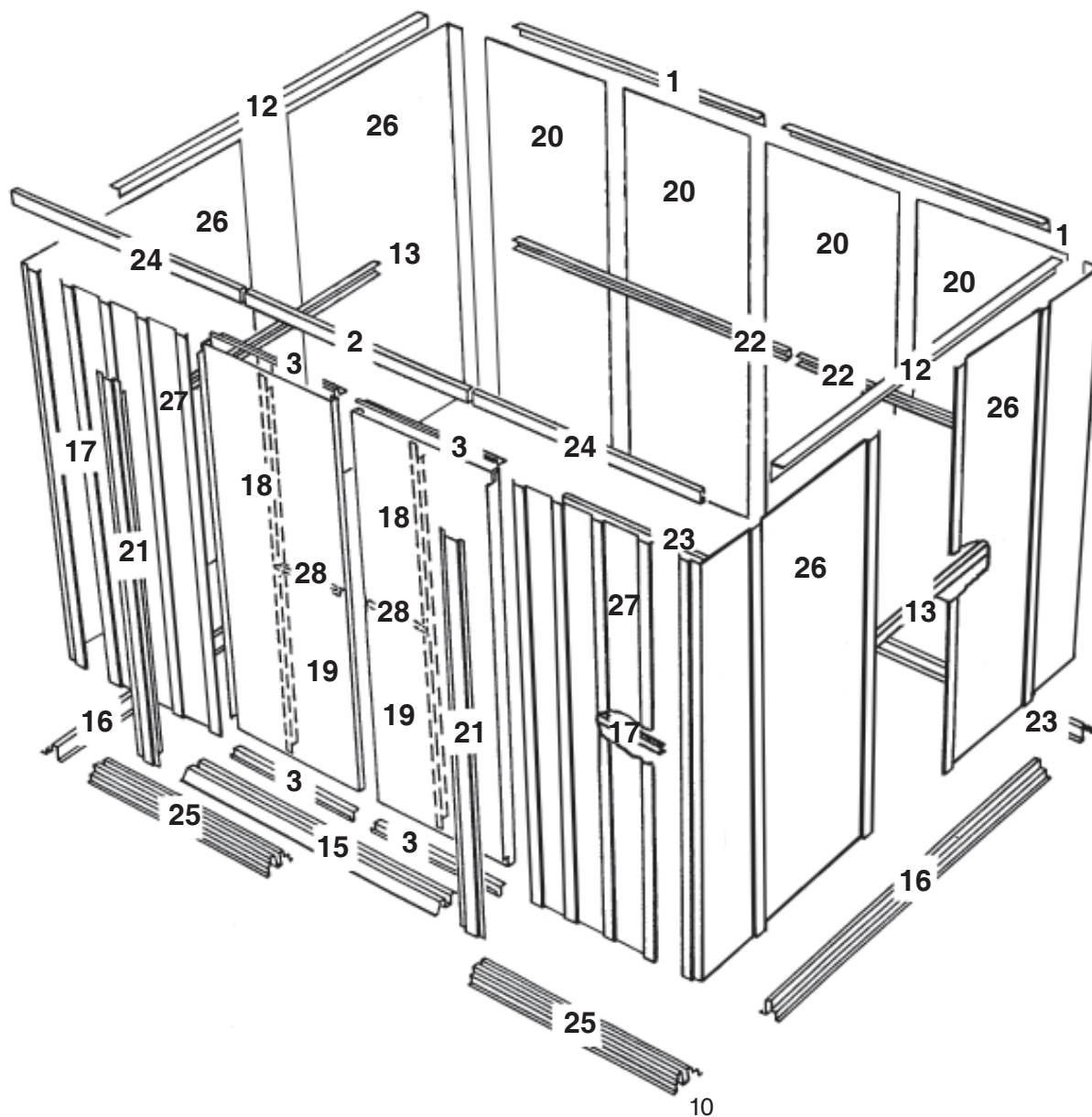
66183
Roof Trim Cap
(2 right & 2 left)

Parts List

YU09

Assembly Key No.	Part Number	Part Description	Quantity in CartonList	Check
1	10567	Rear Wall Angle	2	
2	6403	Door Track Splice	1	
3	10497	Horizontal Door Brace	4	
4	10574	Front Header	2	
5	10557	Roof Panel	2	
6	10562	Right Gable	1	
7	80015	Left Gable	1	
8	6892	Right Roof Trim	2	
9	10558	Right Roof Panel	1	
10	80011	Left Roof Panel	1	
11	10571	Roof Beam	2	
12	10564	Side Wall Angle	2	
13	10545	Side Wall Channel	2	
14	80019	Left Roof Trim	2	
15	8934	Ramp	1	
16	10544	Side Floor Frame	2	
17	9365	Front Wall Channel	2	
18	6278	Vertical Door Brace	2	
19	10475	Right and Left Doors	2	
20	6515	Wall Panel	4	
21	9369	Door Jamb	2	
22	9917	Rear Wall Channel	2	
23	8936	Rear Floor Frame	2	
24	9366	Door Track	2	
25	9367	Front Floor Frame	2	
26	6020	Corner Panel	4	
27	9373	Front Wall Panel	2	
28	3719	Door Handle Brace	2	
29	10559	Roof Panel	1	

YU10



Step 1

YU11

● Parts Needed For ● Floor Frame Assemblies

- 8934 Ramp (1)
- 9367 Front Floor Frame (2)
- 8936 Rear Floor Frame (2)



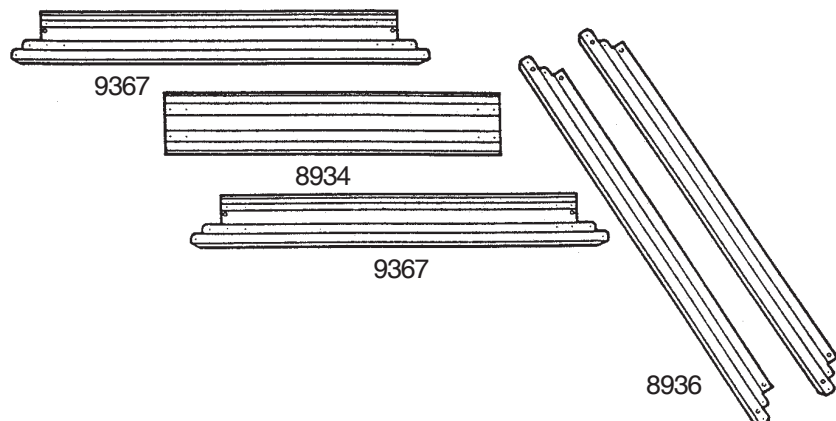
(8)



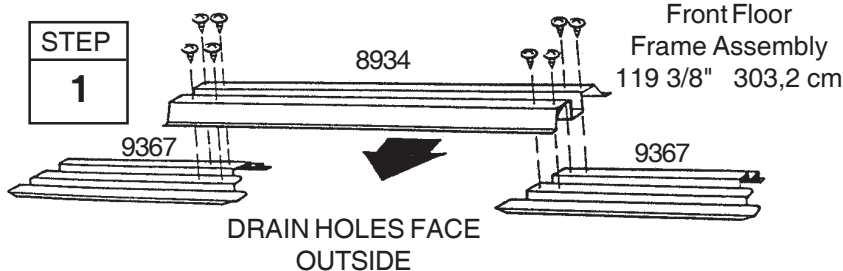
(5)

The front floor frame is made up of three pieces. The rear floor frame is made up of two pieces. The holes in these pieces will align when the pieces are positioned with correct amount of overlap. The illustrations below show the proper overall length for the front and rear. Proceed as follows:

1 Place the **front floor frames** as shown. Center the **ramp**, with drain holes facing outside, on top of the two front floor frames. Join the frames by inserting eight screws.

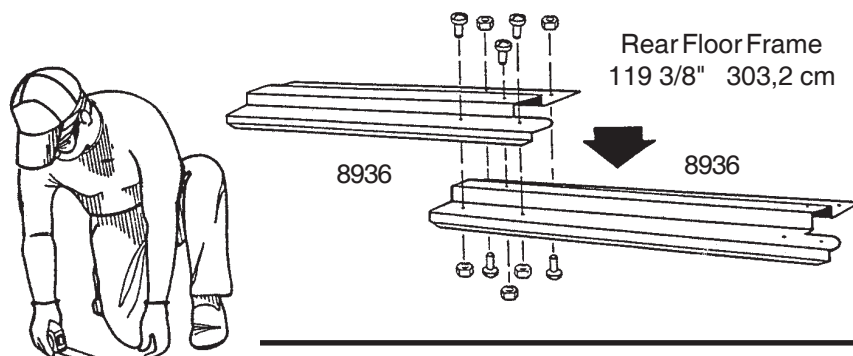


STEP
1

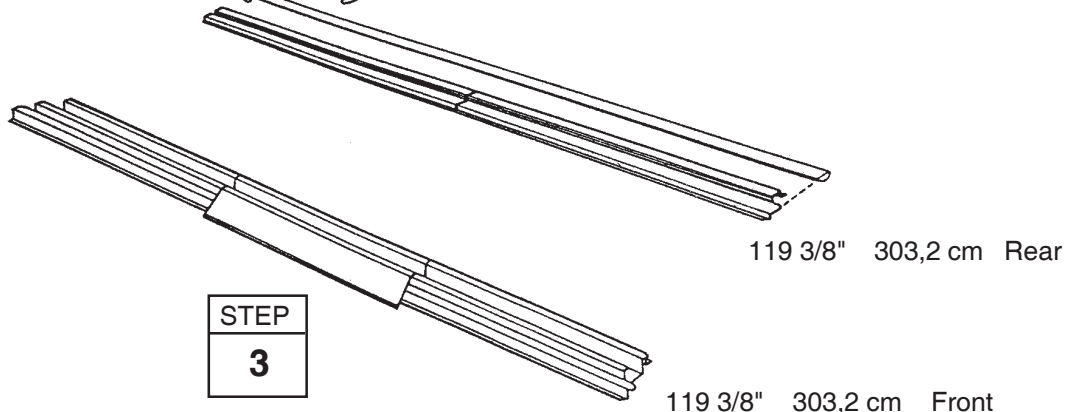


2 Overlap the **rear floor frames** as shown. The holes in these pieces will align when the pieces are positioned with correct amount of overlap. See the illustrations below for the proper overall length of the rear floor frame. Join the frames by inserting five bolts into frame set as shown.

STEP
2



3 Double check the length of each and set these pieces aside for later use.



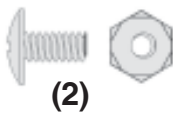
STEP
3

Step 2

YU12

● Parts Needed For ● Frame Assemblies

- 10567 Rear Wall Angle (2)
- 9917 Rear Wall Channel (2)

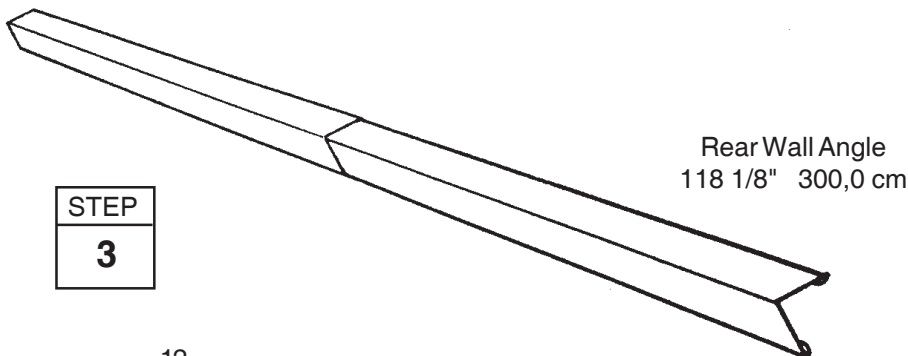
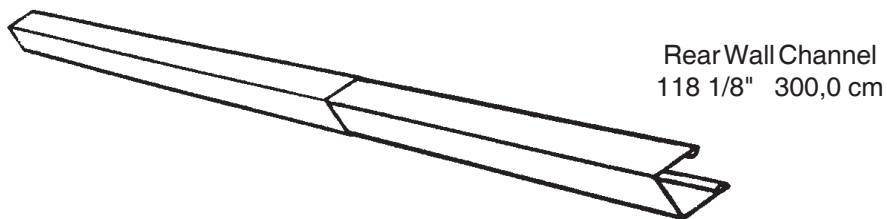
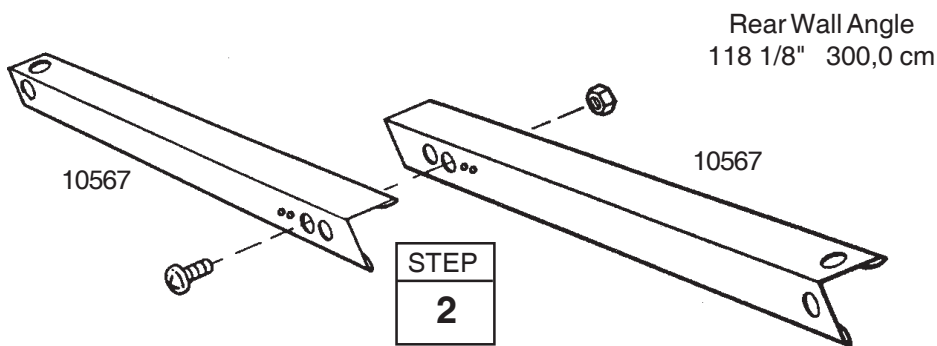
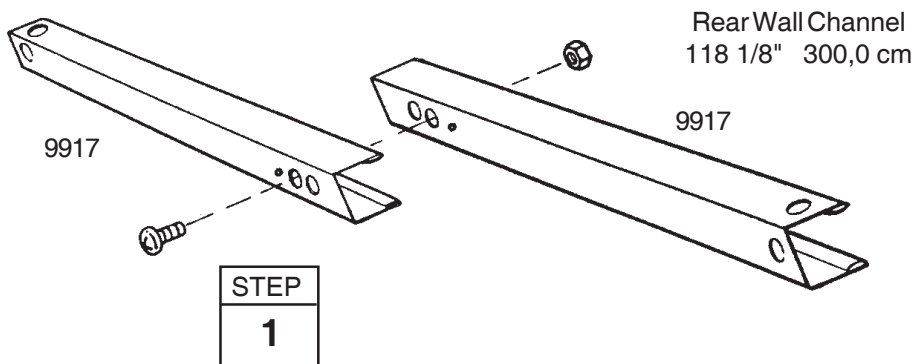


The main frame pieces reinforce the walls. These pieces will later be installed in the center and at the top edge of the rear wall. Proceed as follows:

1 Overlap the **rear wall channel** pieces as shown in the figure and fasten the two pieces together with *one bolt in the center hole* (three holes will align).

2 Overlap the **rear wall angle** pieces as shown in the figure and fasten them together with *one bolt in the center hole*.

3 Double check the length of each and set these pieces aside for later use.

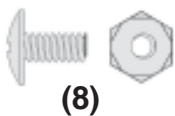


Step 3

YU13

● Parts Needed For ● Roof Beam Assemblies

● 10571 Roof Beam (2)



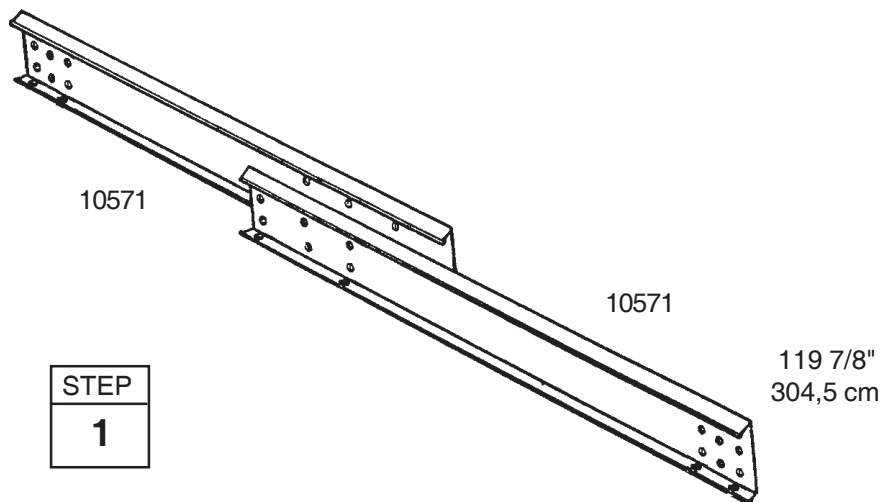
The roof beams support the roof panels. The roof beam is made up of two pieces overlapped at the center.

Hint: These pieces are force-fitted, so you may have to press hard to join them together.

1 Place the end of one roof beam inside a second roof beam so that the six holes in each piece align. **Do not insert bolts yet.**

2 Fasten the pressed-together roof beam with eight bolts.

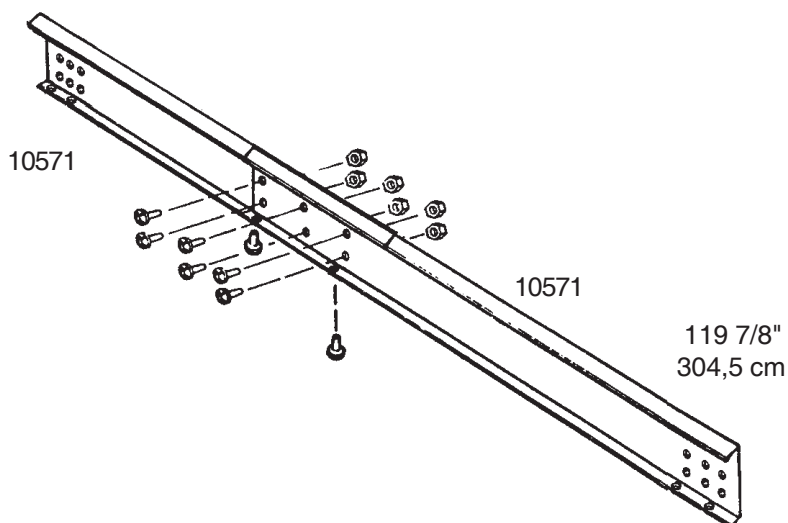
3 Double check the length and set this piece aside for later use.



STEP
1



STEP
2

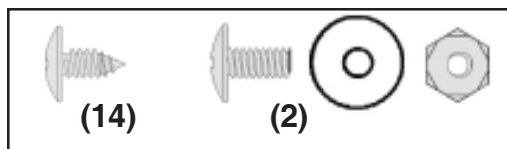


Step 4

YU14

● Parts Needed For ● Door Track / Header Assembly

- 6403 Door Track Splice (1)
- 9366 Door Track (2)
- 10574 Header (2)



The door track/header assembly supports the sliding doors and reinforces the front wall. It is made up of five pieces.

1 Using the **door track splice**, (painted), join the **door track** (galvanized) pieces end-to-end as shown.

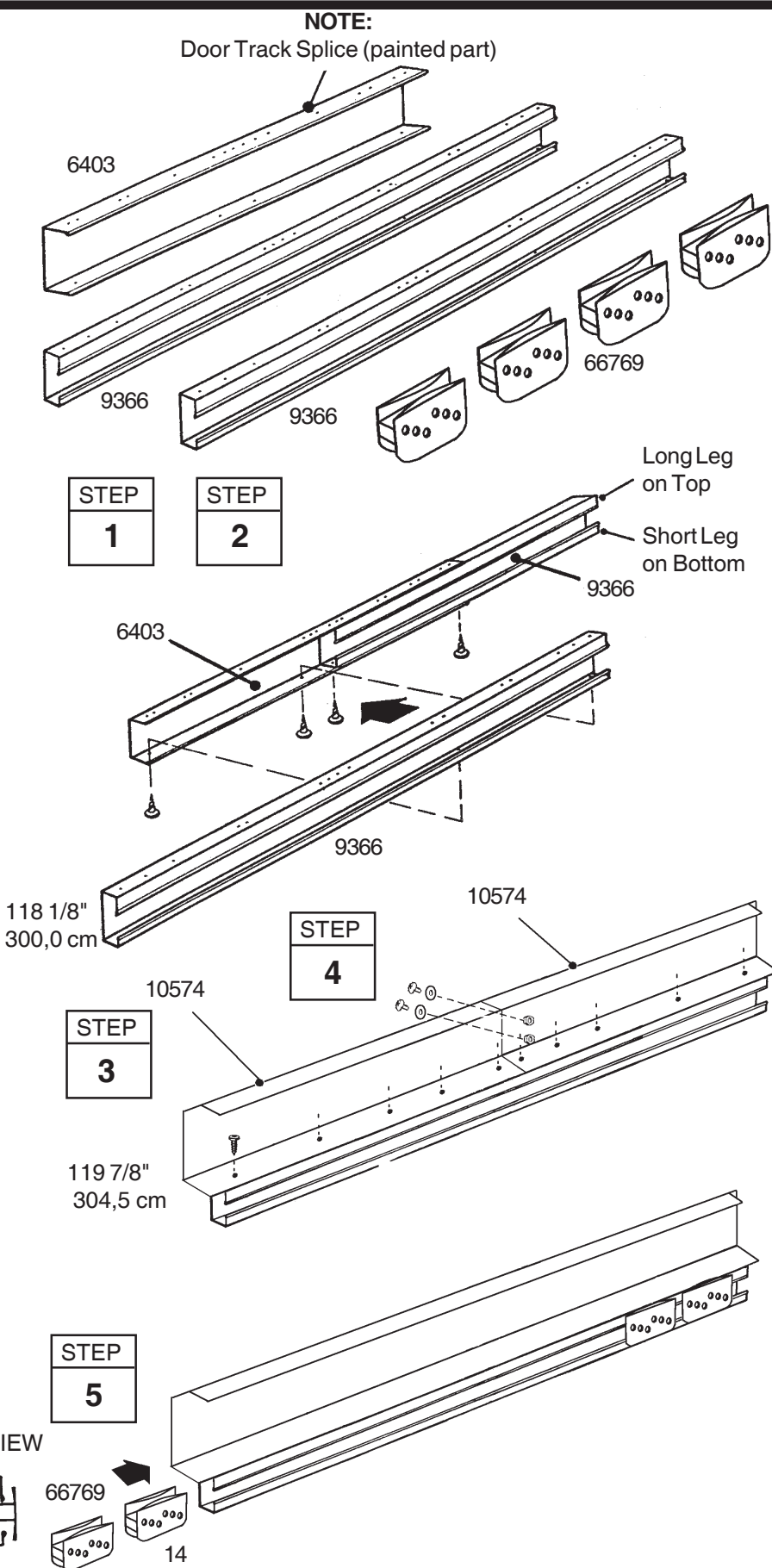
2 Insert four screws *from the underside only*.

3 Using this door track assembly, with small holes on top, join the **header** pieces, short leg on top, as shown using screws.

4 Fasten overlap area of header with 2 bolts and nuts.

5 Position **door slides** onto the legs, from the end of door track assembly, as shown in the end view.

6 Set this piece aside for later use.



Step 5

YU15

● Parts Needed For ● Floor Frame

- Front Floor Assembly (1)
- 10544 Side Floor Frame (2)
- Rear Floor Assembly (1)



(8)

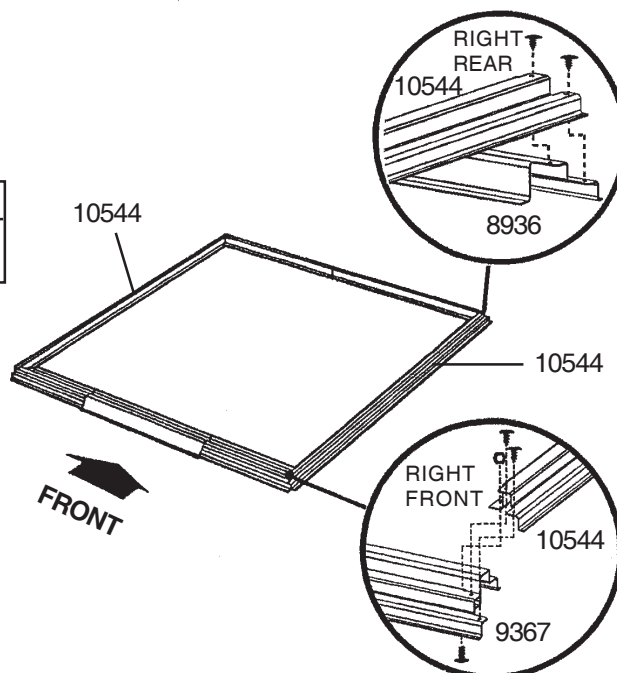


(2)

1 Assemble the four corners of the floor frame using two screws at each corner as shown. At the front corners fasten bolts through from the bottom with nuts on top.

2 Measure the floor frame diagonally. When the diagonal measurements are equal, the floor frame is square.

STEP
1

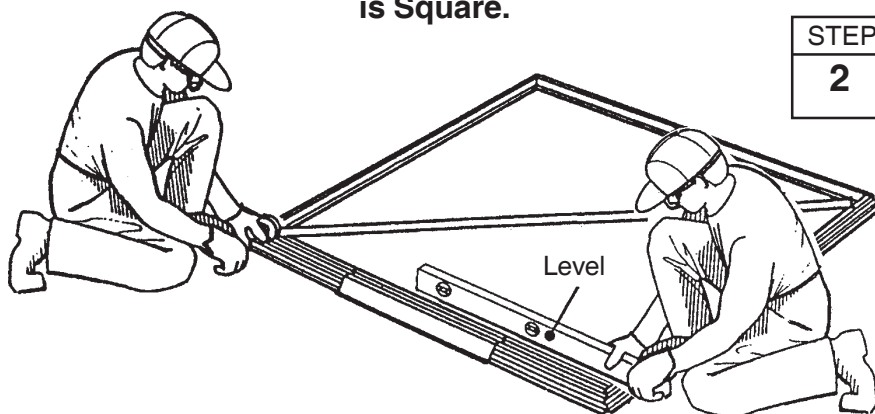


NOTE

If using a wood platform or concrete slab do not fasten the floor frames to your base at this time. You will anchor the building after it is erected.

**When Diagonal Measurements
are Equal the Floor Frame
is Square.**

STEP
2



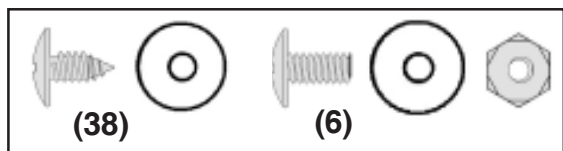
The floor frame *must be square and level* or holes will not align.

Step 6

YU16

● Parts Needed For ● Corners

- 6515 Wall Panel (2)
- 9373 Front Wall Panel (2)
- 6020 Corner Panel (4)



NOTE

The remainder of the building assembly requires many hours and more than one person. Do not continue beyond this point if you do not have enough time to complete the assembly today. A partially assembled building can be severely damaged by light winds.

Each screw and bolt in the wall requires a washer.



CORRECT



INCORRECT

1 Position a **corner panel** at the corner of the floor frame as shown. The widest part of each corner panel must be placed along the side of the building for all four corners. Fasten the corner panel to the floor frame with three screws. Fasten overlapping rib using two screws and a bolt with nut.

Support the corner panel with a step ladder until a wall panel is attached.

2 Attach the **front wall panels** to the front corner panels, as shown. A small gap will exist between front wall panel and ramp.

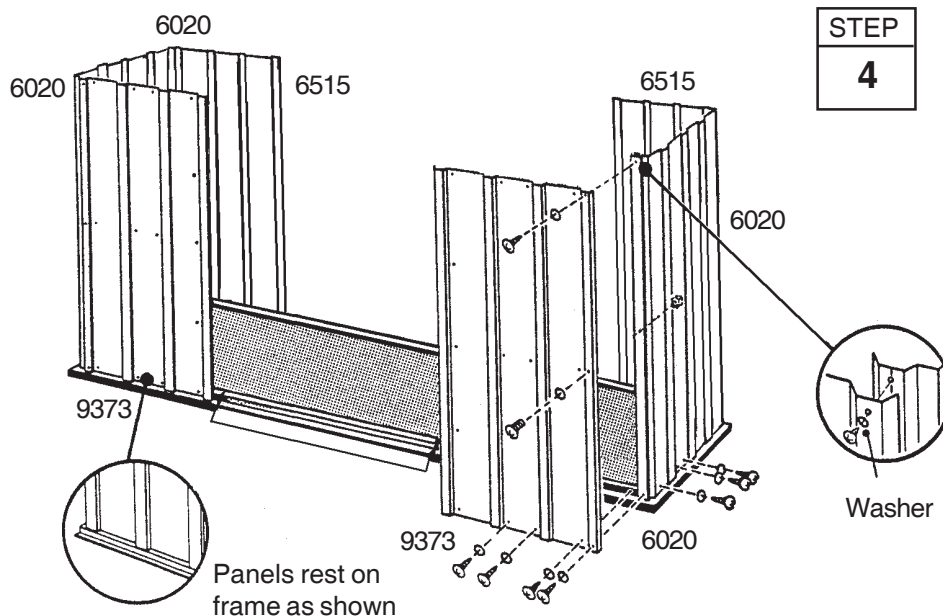
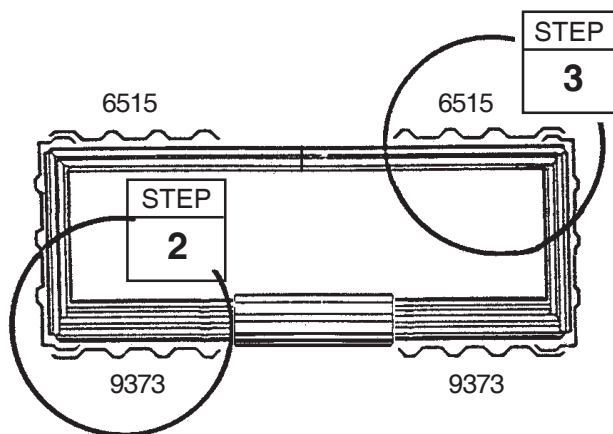
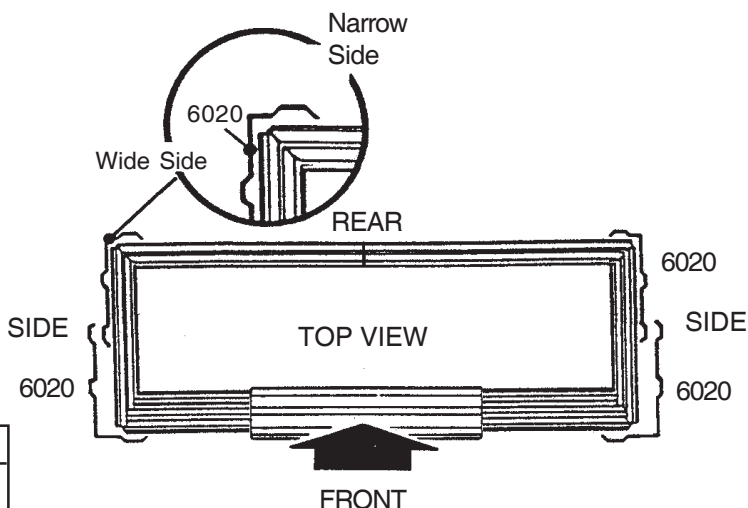
3 Attach the **wall panels** to the rear corner panels, as shown.

NOTE

Be careful to install the correct panel in each position as shown

4 Double-check the part numbers of the wall panels, before proceeding.

The floor frame *must be square and level* or holes will not align.

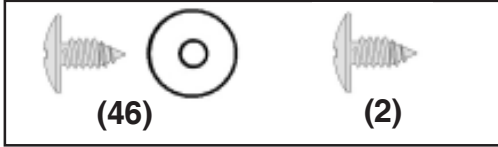


Step 7

YU17

● Parts Needed For ● Frames

- Rear Wall Angle Assembly (1)
- Rear Wall Channel Assembly (1)
- 10545 Side Wall Channel (2)
- 10564 Side Wall Angle (2)
- Door Track/Header Assembly (1)



STEP
3

The main frame pieces give rigidity to the side walls and provide a surface for attaching the gables which support the roof.

1 Fasten the **rear wall angle** across the inside top of the rear wall using screws.

2 Fasten the **rear wall channel** across the middle of the rear wall using screws.

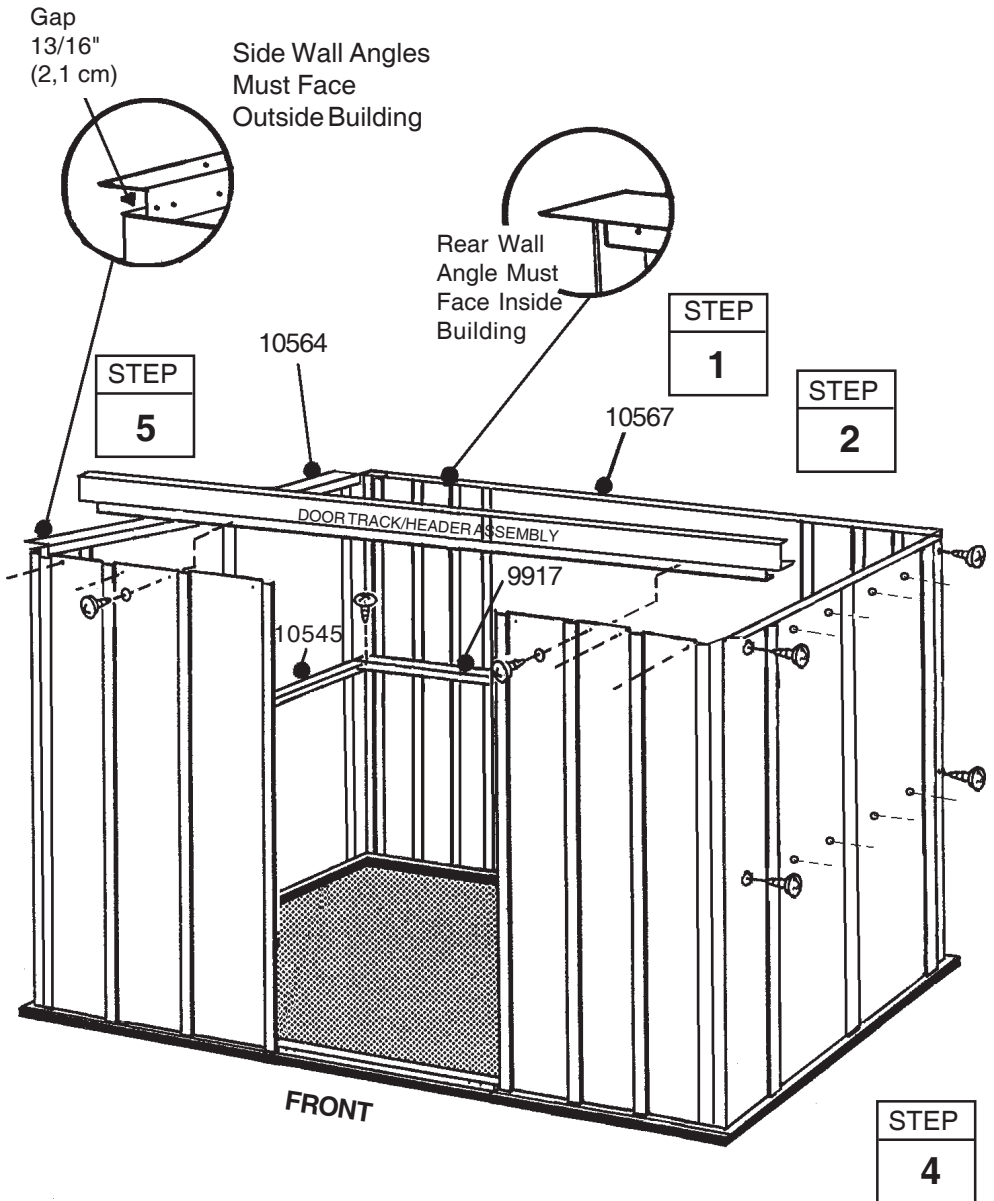
NOTE

The upper leg of the side wall angles must face the outside of the building.

3 Fasten the **side wall angles** across the inside top of the side panels using screws.

4 Fasten the **side wall channels** across the middle of the side panels using screws. Fasten overlaps in rear corners with screws.

5 Fasten the **door track/header assembly** across the top of the front wall panels using screws. See the figure.

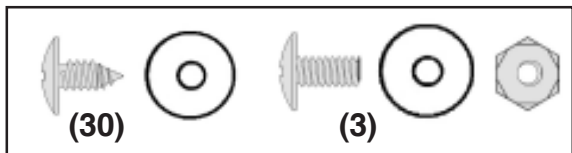


Step 8

YU18

● Parts Needed For ● Wall Panels

● 6515 Wall Panel (2)



Each wall panel has a crimped rib on one side. The crimped rib should go under the rib of the panel that follows it.

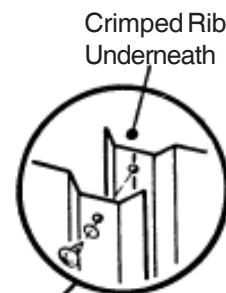
1 Locate all of the **wall panels** and set each one alongside the building.

2 Be sure that you have the correct panels in each position. Do this by overlapping the panels and determining if the holes line up with the holes in the frame.

3 Fasten the wall panels at the top and bottom with screws.

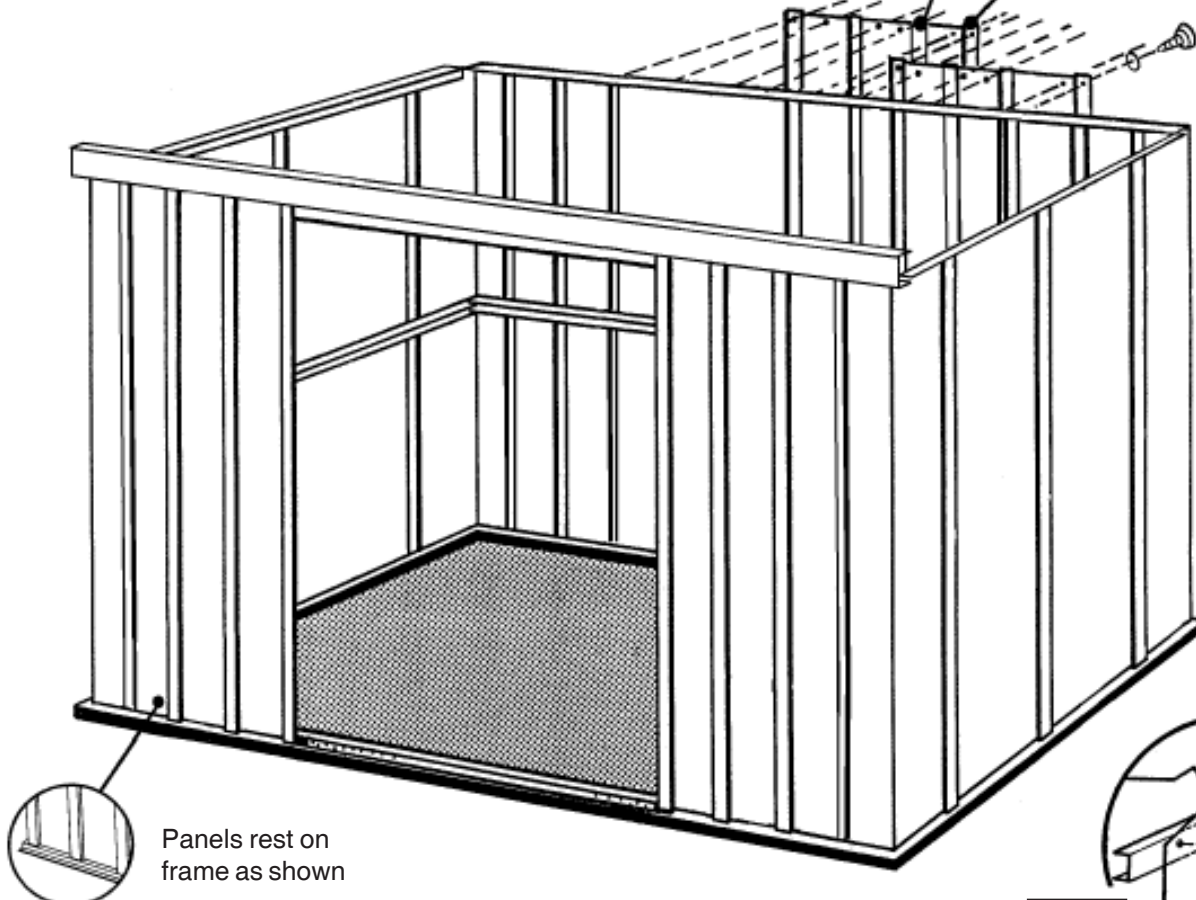
4 Fasten the center of each panel to the wall channel with screws. Fasten overlapping ribs as before.

STEP	STEP
1	2

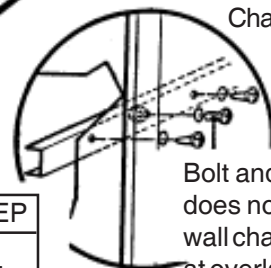


STEP
3

6515



Detail Showing Center of Panel Screwed to Wall Channel



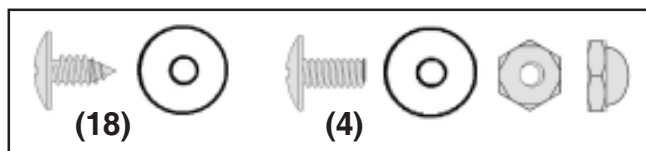
STEP
4

Step 9

YU19

● Parts Needed For ● Front Channel/Door Jamb

- 9369 Door Jamb (2)
- 9365 Front Wall Channel (2)



The door jambs reinforce the door opening and provide an attractive trim. Follow these steps for both door jambs.

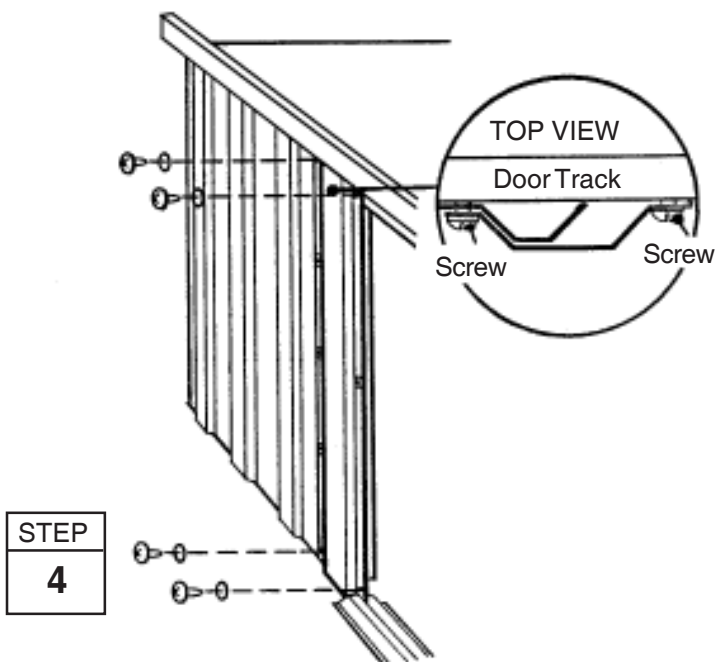
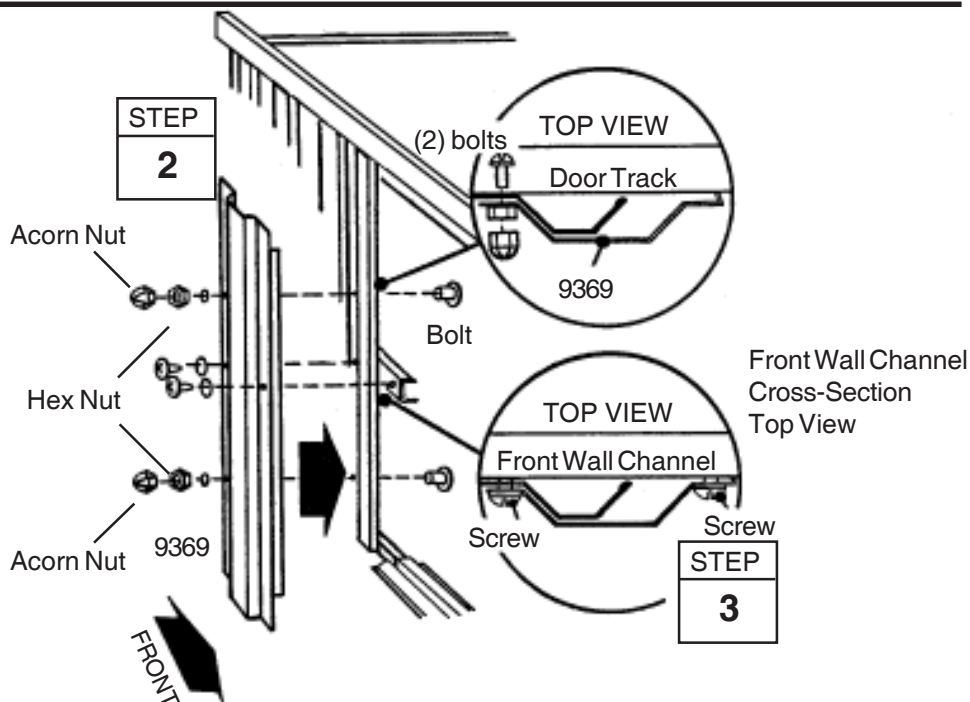
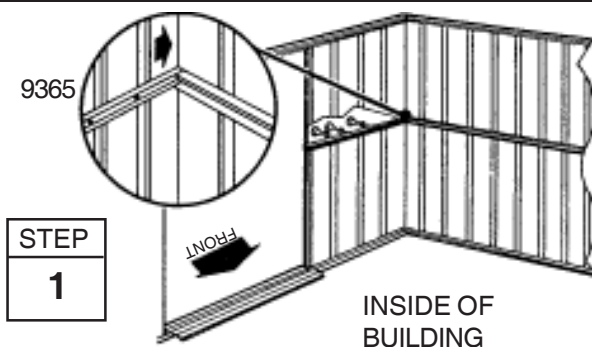
1 Fasten the **front wall channels** in their positions between the end of the side wall channel and the corner panel using screws. Do not put a screw in the hole at the end behind the door opening at this time.

2 Fasten a **door jamb** to the front panel with two bolts, nuts and acorn nuts, as shown.

3 Fasten the center of the door jamb to the front wall panel and the front wall channel with two screws.

4 Fasten the top of the door jamb to the door track with two screws. Do the same for the bottom into frame.

Repeat steps 2 through 4 for the *opposite* door jamb.



Step 10

YU20

● Parts Needed For ● Roof Beam

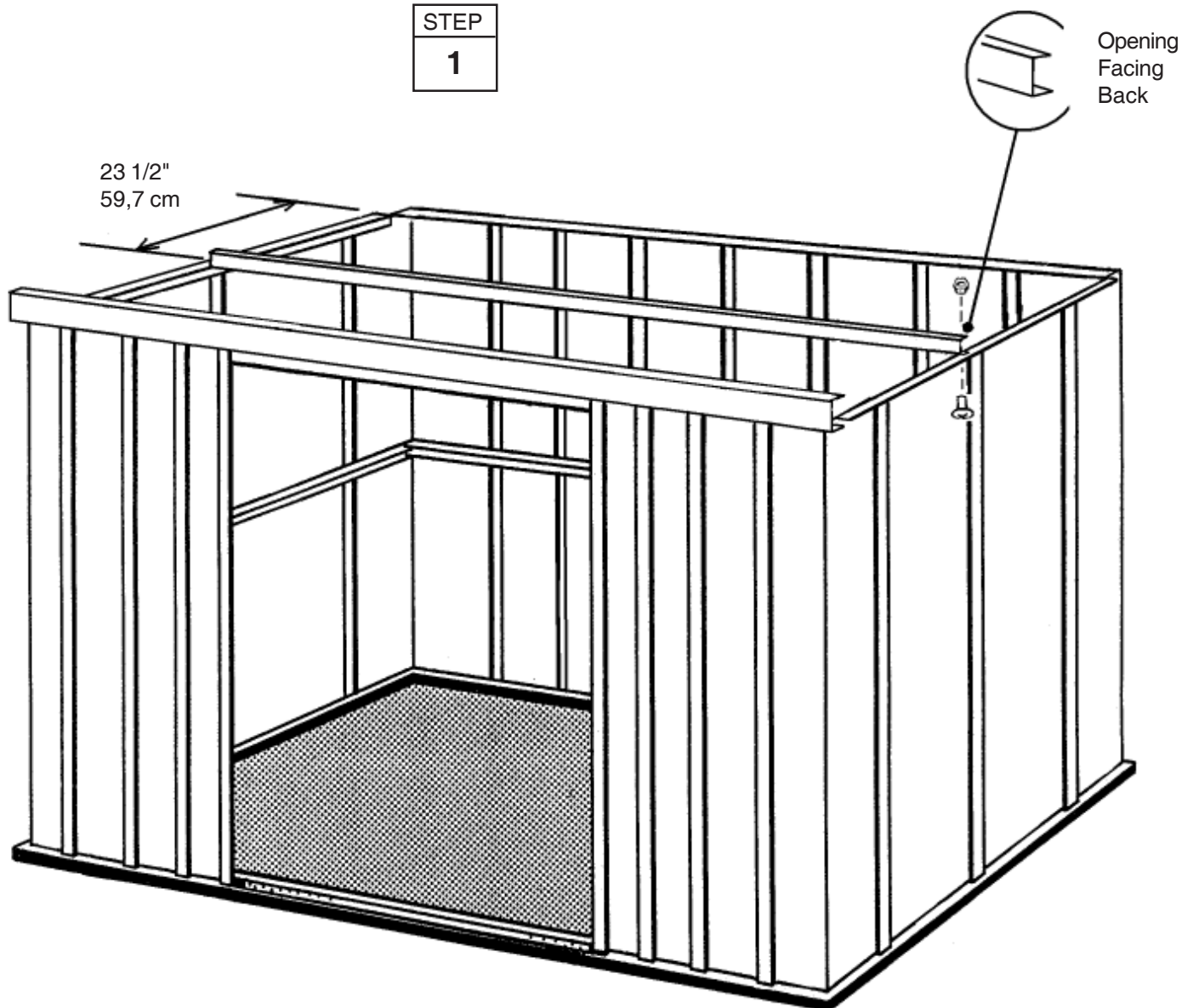
● Roof Beam Assembly (1)



(2)

1 The dimension stated below measures from the end of the angle towards the front of the building. Fasten the roof beam assembly, small holes on top, to the side wall angle with a bolt and nut.

STEP
1

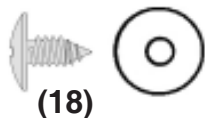


Step 11

YU21

● Parts Needed For ● Right/Left Roof Panels

- 10558 Right Roof Panel (1)
- 80011 Left Roof Panel (1)



Installing the roof panels is best done with a step ladder. Begin installing roof panels at the right side of the building. Each screw and bolt in the roof requires a washer.

NOTE

Measure the building diagonally again and make adjustments to make sure the building is square and level. This will make the roof panels fit better, and holes will align.

1 Locate the roof panels and find the **right roof panel** part number **10558**.

STEP

3

80011 Left Roof Panel

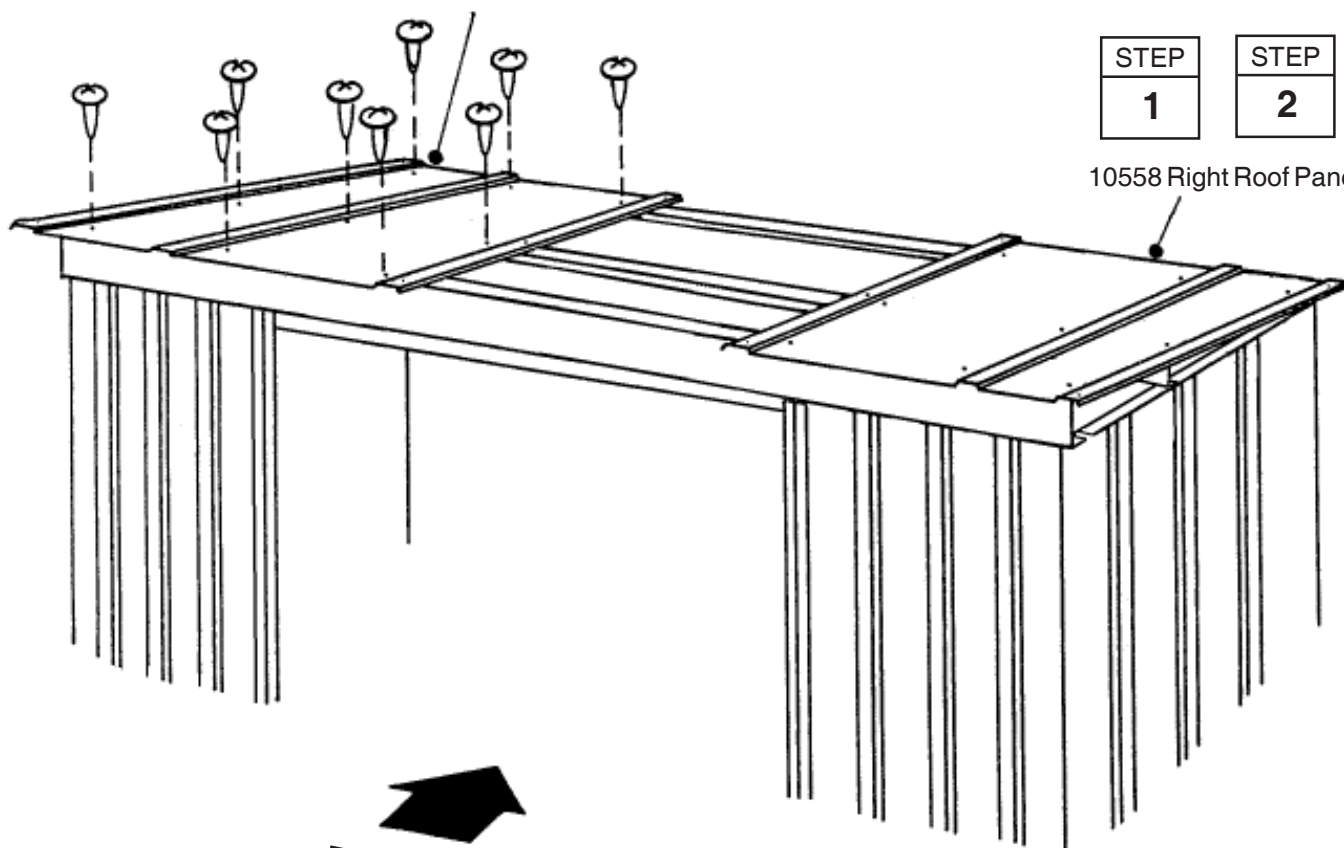
STEP

1

STEP

2

10558 Right Roof Panel



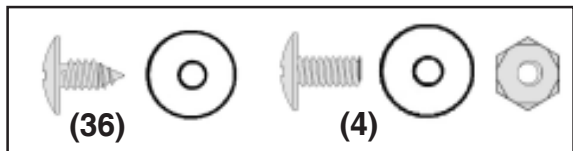
FRONT

Step 12

YU22

● Parts Needed For ● Roof Panel

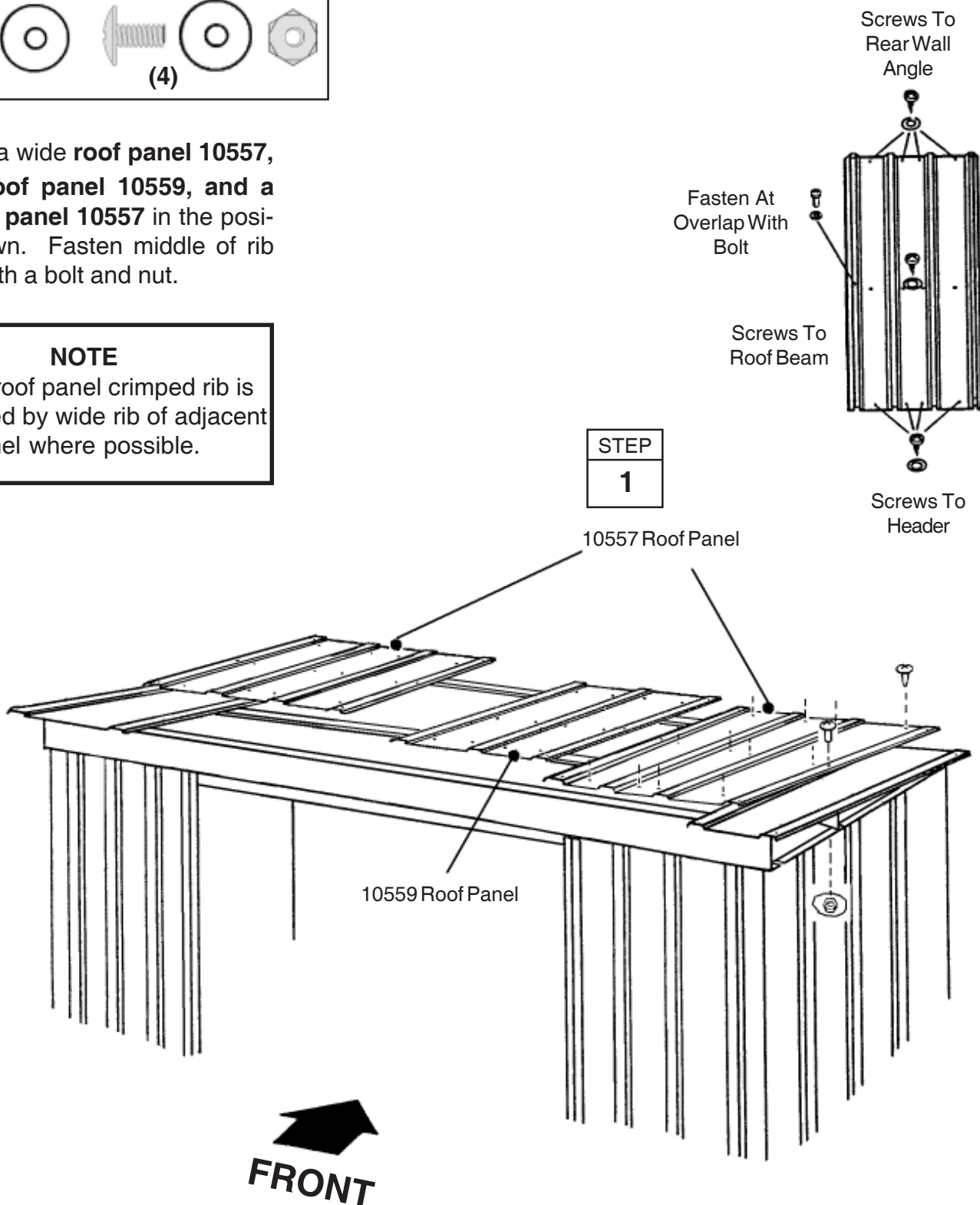
- 10557 Roof Panel (2)
- 10559 Roof Panel (1)



1 Install a wide roof panel 10557, narrow roof panel 10559, and a wide roof panel 10557 in the positions shown. Fasten middle of rib overlap with a bolt and nut.

NOTE

Narrow roof panel crimped rib is overlapped by wide rib of adjacent panel where possible.

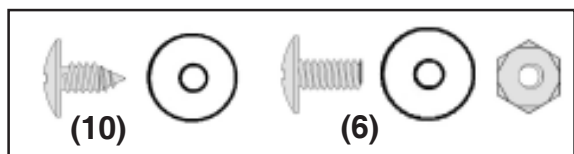


Step 13

YU23

● Parts Needed For ● Gables

- 10562 Right Gable (1)
- 80015 Left Gable (1)



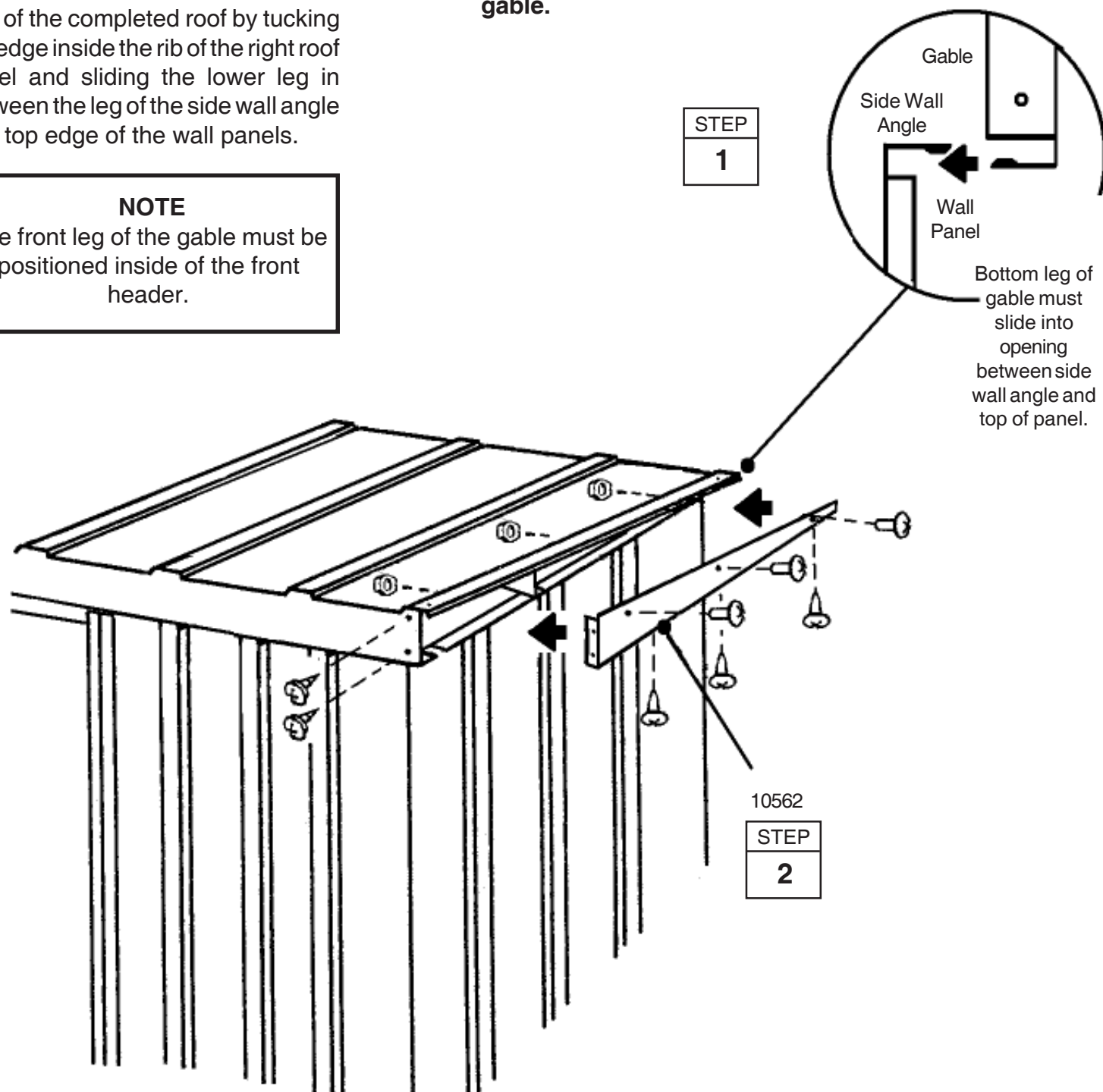
1 Position the **right gable** at the right end of the completed roof by tucking top edge inside the rib of the right roof panel and sliding the lower leg in between the leg of the side wall angle and top edge of the wall panels.

NOTE

The front leg of the gable must be positioned inside of the front header.

2 Fasten to the right roof panel, side wall angle and front header using screws, bolts and nuts as shown.

3 Repeat steps 1 and 2 for the **left gable**.

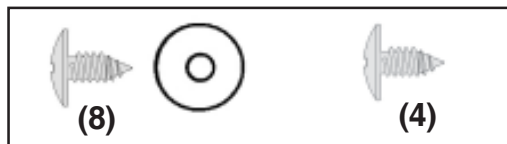


Step 14

YU24

● Parts Needed For ● Roof Trim

- 6892 Right Roof Trim (2)
- 80019 Left Roof Trim (2)



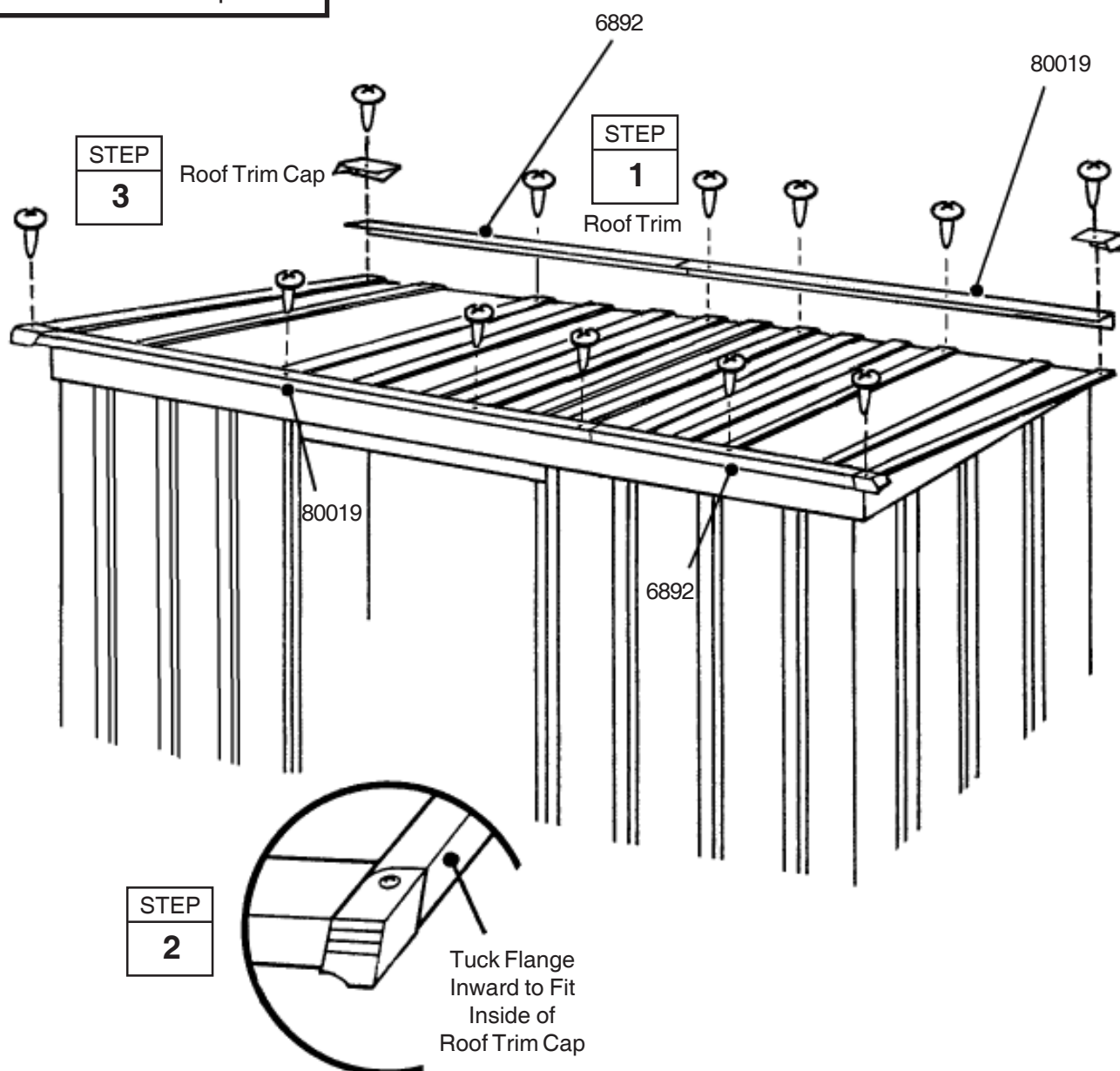
1 Attach the **right and left roof trim** to the ends of the roof panels on the front and rear of the building using screws at each roof panel overlap.

NOTE

A single screw fastens both trim pieces at the overlap.

2 Using your thumb and index finger, overbend the bottom flange of the roof trim at the corner inward enough so the **right and left roof trim caps** fit onto right and left corners.

3 Fasten the roof trim caps to the roof trim using a screw.

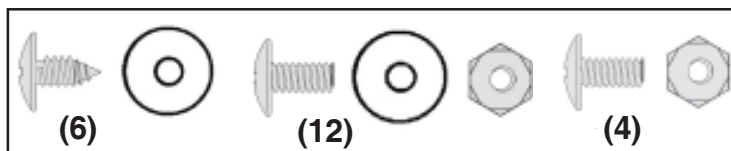


Step 15

YU25

● Parts Needed For ● Door Assembly

- 3719 Door Handle Brace (2)
- 10475 Right and Left Doors (2)
- 10497 Horizontal Door Brace (4)
- 6278 Vertical Door Brace (2)



The steps on this page tell how to assemble the right door. You will perform exactly the same procedures for the left door. Each bolt and screw in the door requires a washer. Proceed as follows:

1 Attach the **door handle brace** and **handle** to the **door** with 1 bolt as shown. *Don't tighten the bolt yet.*

2 Swing the door handle brace up to the hole on the center of the door and insert a screw.

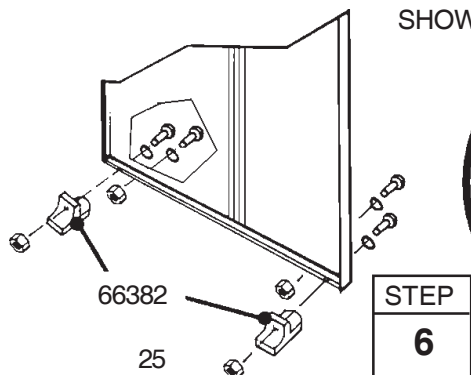
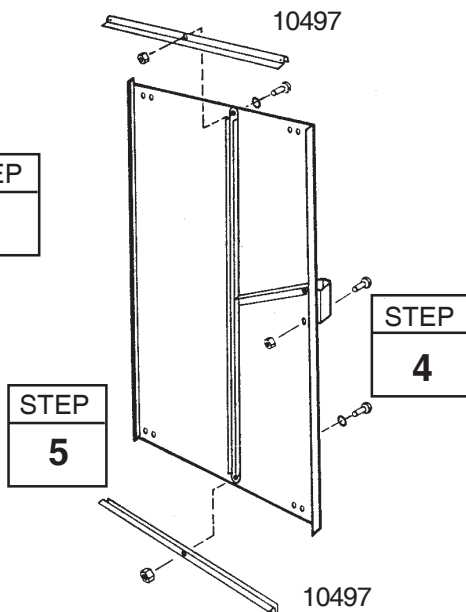
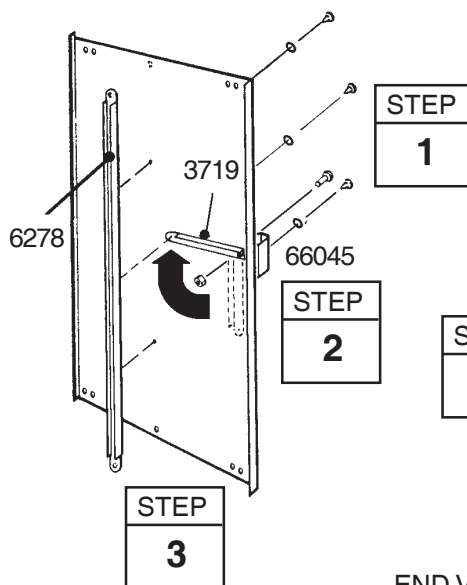
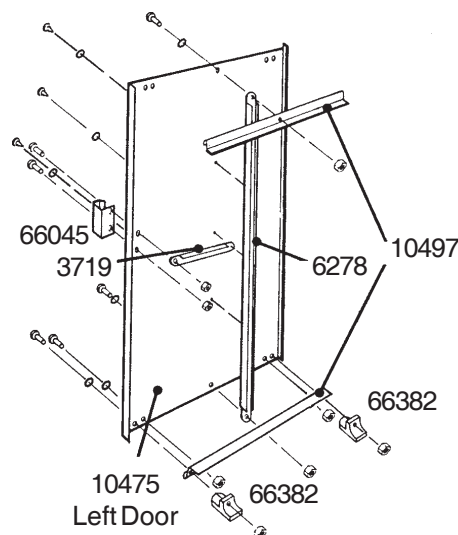
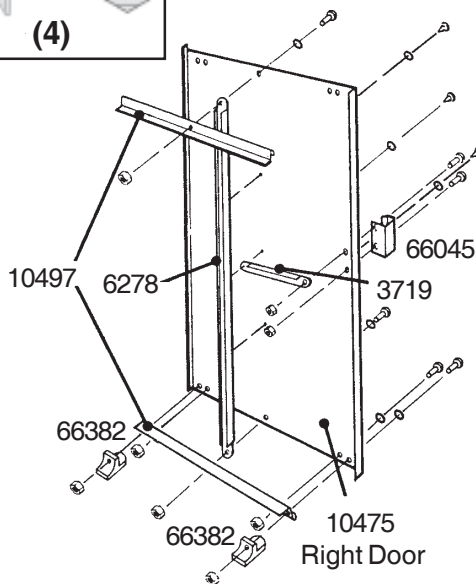
3 Hold the **vertical door brace** against the center of the inside surface of the door and turn the screw to hold the vertical door brace and door handle brace in place. Fasten to door above and below center connection using 2 screws.

4 Insert a second bolt in the door handle and tighten both bolts.

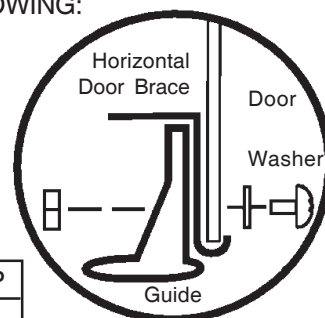
5 Put a **horizontal door brace** onto the top edge and bottom edge and fasten *with 1 bolt in the center.*

6 Attach the **lower door guides and bolts** as shown.

7 Repeat steps 1 through 6 for the **left door**.



END VIEW
SHOWING:



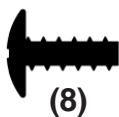
Step 16

YU26

● Parts Needed For ● Door Installation & Adjustment

● Right Door Assembly (1)

● Left Door Assembly (1)



1 From inside the building, put the bottom of the right door assembly (on your left when you are inside the building) behind door jamb into the front frame track.

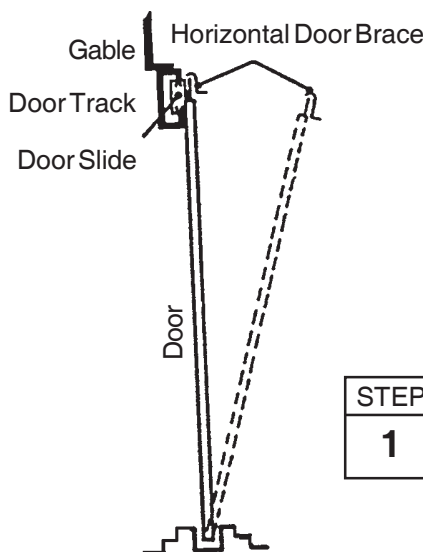
2 Position the top of the door so that the holes in the door line up with the holes in the door slides.

3 Fasten the door to the door slides using two #10Bx1/2" (13 mm) screws per door slide.

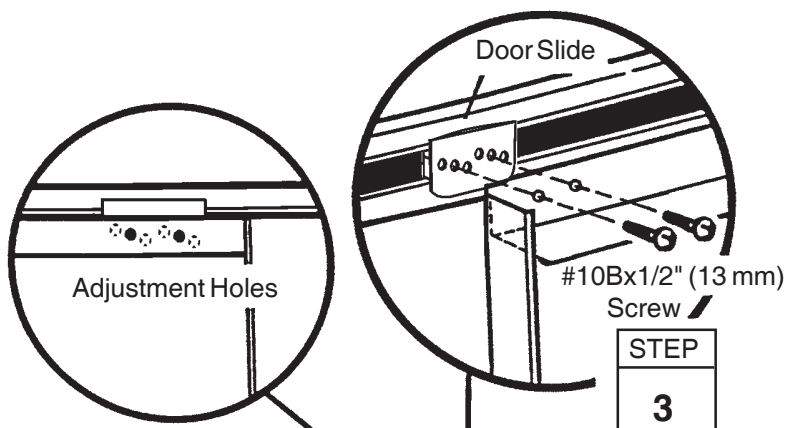
NOTE

The holes in the door slides allow you to adjust the doors. Place the door in the middle holes.

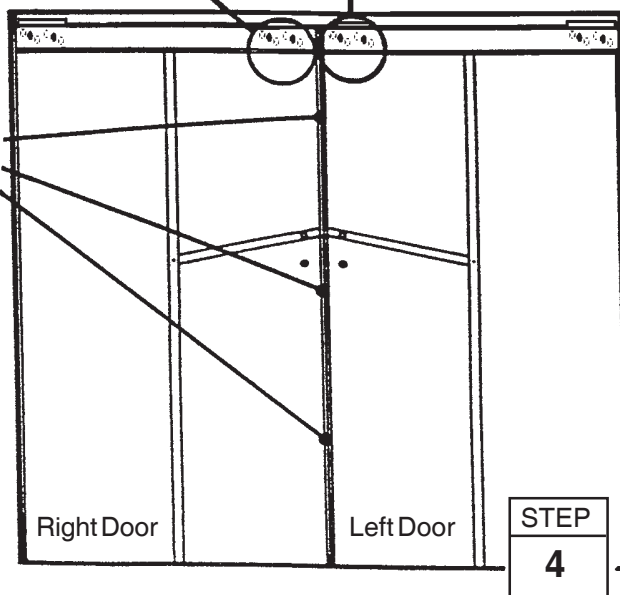
4 Repeat steps 1 through 3 for the left door.



Front Floor Frame Assembly



Adjustment Holes Allow Doors to Meet Evenly Along Their Length



Keep this Owner's Manual and Assembly Instructions for future reference.

EPA104

YU28

Anchoring

Anchor your building at this time.

SOME FACTS ABOUT RUST

Rusting is a natural oxidizing process that occurs when bare metal is exposed to moisture. Problem areas include screw holes, unfinished edges, or where scrapes and nicks occur in the protective coating through normal assembly, handling and use. Identifying these natural rusting problem areas and taking some simple rust protection precautions can help to stop rust from developing, or stop it quickly as soon as it appears.

1. Avoid nicking or scraping the coating surface, inside and out.
2. Use all the washers supplied. In addition to protecting against weather infiltration, the washers protect the metal from being scraped by the screws.
3. Keep roof, base perimeter and door tracks free of debris and leaves which may accumulate and retain moisture. These can do double damage since they give off acid as they decay.
4. Touch up scrapes or nicks and any area of visible rust as soon as possible. Make sure the surface is free of moisture, oils, dirt or grime and then apply an even film of high quality touch-up paint.