731500821 **Owner's Manual** & Assembly Guide

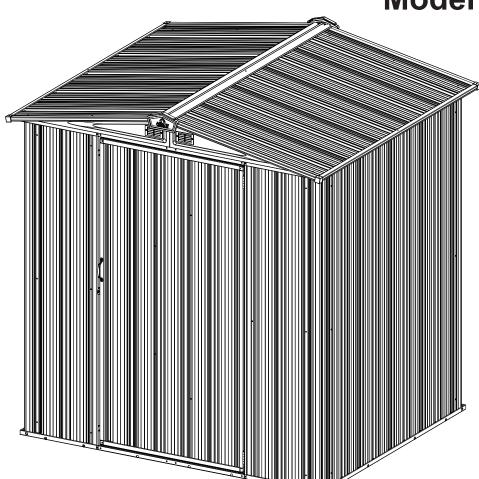




SpaceMaker® Steel Shed

Model No. LWSM65

6' x 5'



Register • Enregistrer • Registrate





ShelterLogic.com/product-registration

Base Size

68 1/2" x 56 1/2" 174 cm x 143,5 cm

For proper base construction see page 14

BUILDING DIMENSIONS

arrowshed.com

Visit our website for compatible accessories

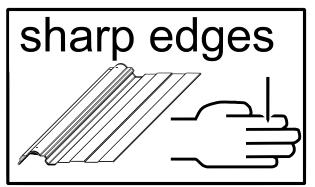
[†]Size rounded off to the nearest foot

| Approx. [†] | Storage | Exterior Dimensions (Roof Edge to Roof Edge) | | | Interior Dimensions (Wall to Wall) | | | Door Opening | |
|----------------------|---------------------------------------|---|----------|----------|---------------------------------------|----------|----------|-----------------|----------|
| Size | Area | Width | Depth | Height | Width | Depth | Height | Width | Height |
| 6' x 5' | 25 Sq. Ft. 140 Cu. Ft. | 69 3/4" | 62" | 72" | 66" | 54" | 71" | 31" | 62 3/4" |
| 1,7 m x 1,4 m | 2,3 m ² 4,0 m ³ | 177,2 cm | 157,5 cm | 182,9 cm | 167,6 cm | 137,2 cm | 180,3 cm | 78,7 cm | 159,4 cm |

^{*} See Inside for Detailed Safety Information.

SAFETY PRECAUTIONS...

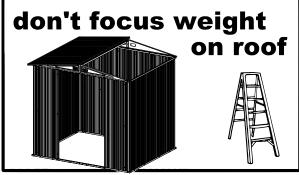
Safety precautions MUST be followed at all times throughout the construction of your building!



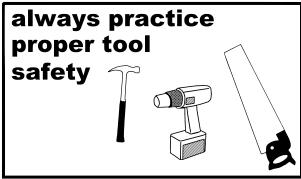
Care must be taken when handling various pieces of your building since many contain sharp edges. Please wear work gloves, eye protection and long sleeves when assembling or performing any maintenance on your building.



Keep children and pets away from the worksite during construction and until the building is completely assembled. This will help avoid distractions and any accidents which may occur.



NEVER concentrate your 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 especially familiar with the operation of all power tools.



Do NOT attempt to assemble your building on a windy day. The large panels can catch the wind like a "sail", causing them to be whipped around making construction difficult and unsafe.

Do NOT attempt to assemble your building before double checking that you have all the parts indicated in the parts lists (page 9) as well as all hardware (page 8). Any building left partially assembled may be seriously damaged by even light winds.

IMPORTANT NOTE ON ANCHORING

- Your building MUST be anchored to prevent wind damage. An anchoring kit is not supplied with your building and you have many options when it comes to anchoring. See anchoring page for more info.
- You must also have a temporary anchoring system in place in case you need to take a break from assembly. See page 4 for more info.

ASSEMBLY TIPS & TOOLS

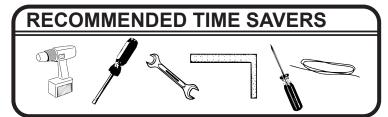
Watch the Weather Closely: Be sure the day you choose to install your building is dry and calm. Do **NOT** attempt to assemble your building on a windy day. Be careful on wet or muddy ground.

Use Teamwork: Two or more people are required to assemble your building. One person can hold the parts or panels in place while the other person fastens them together and handles the tools. This makes the process of assembling your building faster and safer.

Tools and Materials: Here is a list of some basic tools and materials you will need to assemble your building. Decide which method of anchoring and the type of base you will use to make a complete list of the materials you will need.



- Work Gloves
- Safety Glasses
- Step Ladder
- No. 2 Phillips Screwdriver (Magnetic Tip Preferred)
- Utility Knife or Scissors
- Pliers
- Carpenter's Level
- Tape Measure



- Power Drill (Cordless, Variable Speed)
- Nut Driver or Wrench
- Square
- String (for squaring the frame)
- Awl (to align holes)



- Lumber and/or Concrete
- Hammer and Nails
- Spade or Shovel
- Hand Saw or Power Saw

How to Select and Prepare Your Building Site: Before you start to assemble your building, you will want to decide on a good location. The best location is a level area with good drainage.

- Allow enough working space so it is not difficult to move parts into position for assembly. Be sure there will be enough space at the entrance for the doors to completely open. Also, there needs to be enough space outside the building to be able to fasten the panel screws from the outside.
- Before assembling any parts, your base should be constructed and an anchoring system should be ready to use.

FREQUENTLY ASKED QUESTIONS

Q. How long will it take to assemble the building?

A. Assembly time depends on a variety of factors, including roof design, tools available, DIY skill and the pace at which you work. Guidelines for each shed assembly are approximate AFTER completion of the base, and assume two or more people working on the assembly. Generally, you should plan on at least one day working with someone who can assist you; again, after constructing the base. Refer to the clock icons on each product page on the website for specific time estimates.

Q. How do I decide where to put my shed?

A. The key to a successful assembly is to make sure the shed will be square and level when built. The shed can be assembled directly onto level ground (grass or dirt). If you have location options, choose one that is already flat, with good drainage to control moisture. If you don't have a flat, well-drained area, you need to prepare the space. Level the area using cinder blocks, concrete, crushed gravel or other sturdy materials. Once level with good drainage, construct your base. Using a carpenter's level, make sure your base is level and free of bumps or ridges to provide good support for your building.

Q. What if I can't finish my building in one session?

A. If weather conditions change so that it becomes windy or rainy, it is recommended that you stop assembly until conditions improve. This is for your safety and for protection of the shed. However, do not leave your unfinished construction without first temporarily anchoring the walls of the shed and placing weights, such as patio blocks or sandbags, around the walls. Failure to anchor the building if you leave it while partially assembled could result in irreparable damage or personal injury if the building collapses.

Q. Do I need to anchor my building?

A. Yes! Fully assembled buildings should be anchored using a permanent anchoring system. If you need to leave your building before it is completely assembled, you will need to place weights, such as patio blocks or sandbags, around the floor channel.

Q. How do I temporarily anchor my building before it's fully assembled?

A. An incomplete building must be anchored before breaking for any period of time to prevent possible damage.

- •If the building is on a wood base, secure the frame with wood screws in the corners
- •If the building is on a concrete base, temporarily anchor the frame in the corners
- •Use patio blocks or sandbags along side of the floor channel as weights
- •Secure the floor channel to the ground with ground augers or rope the frame in the corners to the ground

Q. How do I control condensation and prevent water from leaking in?

A. To minimize condensation, install a continuous, unbroken plastic vapor barrier with a thickness of 6 mil. between exposed ground surface and the building's base. Make sure that washers are used throughout the assembly process. Ensure that all washers are flush with the panels and do not over-tighten screws, as this can crack the washers. Silicone caulking may be used to create watertight seals at the washers and throughout the building.

Q. What kind of base do I use?

A. You can:

- Pour a concrete slab
- Build a wood deck/floor (use exterior-grade plywood)
- Use patio blocks
- ·Build on crushed gravel, dirt or grass

A continuous unbroken plastic vapor barrier with a thickness of 6 mil. between the ground and the building's base is also recommended.

Q. How should I measure for my base?

A. Shed dimensions are provided in "nominal" size. Nominal sizes are roof-edge measurements rounded to the nearest foot and are not the measurements to use for constructing the shed base. So, carefully check the exact, recommended base size in the specifications for your shed model.

Note: If you have to stop assembly for any reason before it is complete, do not leave your unfinished construction without first temporarily anchoring the corners of the shed to your base and placing weights, such as patio blocks or sandbags, along side the floor channels.

Q. Can the building be painted?

A. The buildings can be painted with an exterior-grade paint designed for use on steel. Contact your local paint supplier for recommendations.

Q. I heard that rust might be an issue with steel; is it?

A. While bare steel can rust, with proper care this should not be an issue. For a long-lasting finish, periodically clean the exterior surface and apply spray-on car wax. Touch up scratches as soon as you notice them by immediately cleaning the area with a wire brush or emery paper, washing it and applying touch-up paint. This will minimize rust and maintain your shed's attractive appearance for years.

Q. How do I take care of dents in my shed?

A. Proper selection of shed size, including a sufficient door-opening width, and proper placement of your shed should minimize the possibility of damage. If a dent does occur, carefully push the dent out from the opposite side. If the paint has been scratched or removed, touch up the area as soon as you notice it. Immediately clean the area with a wire brush or emery paper, wash it and apply touch-up paint. This will minimize rust and maintain your shed's attractive appearance for years.

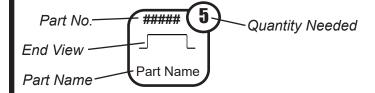
PANEL & CHANNEL ASSEMBLY TIPS

PANEL

- 1. Recommend a large table or sawhorses with plywood for working surface.
- 2. Corners will need to hang off of work surface, so an elevated flat surface is important.
- **3.** Arrows always point up, and always get covered.
- **4.** Start from middle and work your way out to push together panels.
- 5. Panels can be pulled apart if not aligned properly. Once channels are applied, the wall assembly will be "final".

CHANNEL

6. Work from one end and angle the channel. Line up a section and then tap the channel to work it into place. Continue working your way down the channel.



At the top of each page you will see one or more **Part Cues** like the one to the left. These **Part Cues** are designed to help you quickly identify the parts needed for each step.

Confirm that all hardware and parts are present before attempting to assemble your building.

For missing or damaged parts contact Customer Service. Do not return to store.

Part Number Part Number

- 1. Each part has an identifying part number on it.
- 2. Part Numbers are referenced in each step.
- 3. Unpainted parts have a stamped in number and painted parts have a number that is inked on.

Remove inked on numbers with soap and water after assembly.

CARE & MAINTENANCE...

Exterior Care:

For a long lasting finish, clean and wax the exterior surface. We recommend washing with a mild soap solution. DO NOT use power washing to clean your shed. Using a spray automotive type wax periodically on the exterior is highly recommended if you are in a high humidity or coastal climate region.

Combustibles and corrosives must be stored in air tight containers designed for chemical and/or combustible storage. Corrosive chemicals such as fertilizers, pesticides and herbicides should be cleaned off the interior and exterior surfaces immediately. Rust caused by chemical damage is not covered by the warranty.

DO NOT STORE POOL CHEMICALS IN YOUR SHED - THIS VOIDS YOUR WARRANTY

Rust protection precautions may help to stop rust from developing, or stop it quickly as soon as it appears.

- Avoid nicking or scraping the coating surface, inside and out.
- Keep roof, base perimeter and door free of debris and leaves which may accumulate and retain moisture. These can do double damage since they give off acid as they decay.
- 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.
- Various paint manufacturers provide products for rust treatment and coverage. If surface rust does appear on your shed we recommend treating those areas as soon as possible, following the paint supplier of your choice instructions.

Roof:

Keep the roof clear of leaves and snow. Heavy amounts of snow on the roof can damage the building making it unsafe to enter.

Fasteners:

Use all washers supplied to protect against weather infiltration and to protect the metal from being scratched by the screws. Regularly check screws, bolts, nuts, etc., and retighten as necessary.

General:

- A plastic sheet (vapor barrier) placed under the entire floor area may reduce condensation.
- Wash off inked part numbers on coated panels with soap and water.
- Silicone caulking may be used for watertight seals throughout the building.

Please note, Manufacturer cannot be held responsible for any consequences due to buildings that are not installed per these instructions, or for damage due to weather conditions or acts of God.

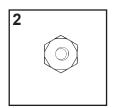
Keep these assembly instructions and owner's manual for future reference.

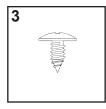
HARDWARE LIST...

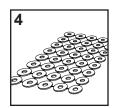
| Key No. | Part No. | Part Description | Qty. | List |
|------------|-------------|----------------------------|------|------|
| 1 | 65923 | Bolt (#8-32 x 3/8) (10 mm) | 15 | |
| 2 | 65103 | Hex Nut (#8-32) | 15 | |
| 3 | 65004 | Screw (#8AB x 5/16) (8 mm) | 132 | |
| 4 | 66646 | Washer Sheet | 2 | |
| 5 | 66715 | Door Handle | 1 | |
| 6 | 66718 | Hinge | 2 | |
| 7 | 66720 | Padlock Eyelet | 2 | |
| 8 | 60H | Corner Cap | 4 | |
| 9 | 66860 | Peak Cap | 2 | |
| 10 | 66847 | Vent Gable | 4 | |
| 11 | 66721 | U-Nut (Door Clip) | 4 | |
| 12 | 10280 | Corner Clip | 8 | |
| 13 | 66866 | Door Closure Clip | 2 | |

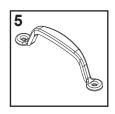
Hardware Views by Key No.

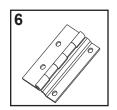


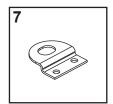


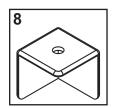


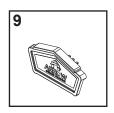


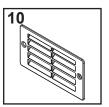


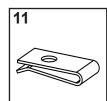


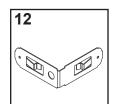


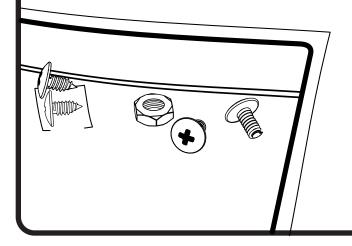






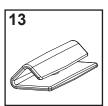






The fasteners used in each step are shown actual size at the top of each page. If you are unsure which fastener to use, hold it up

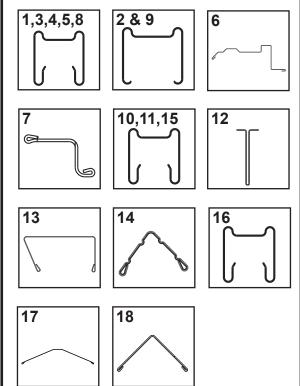
to the picture and use the one that matches.



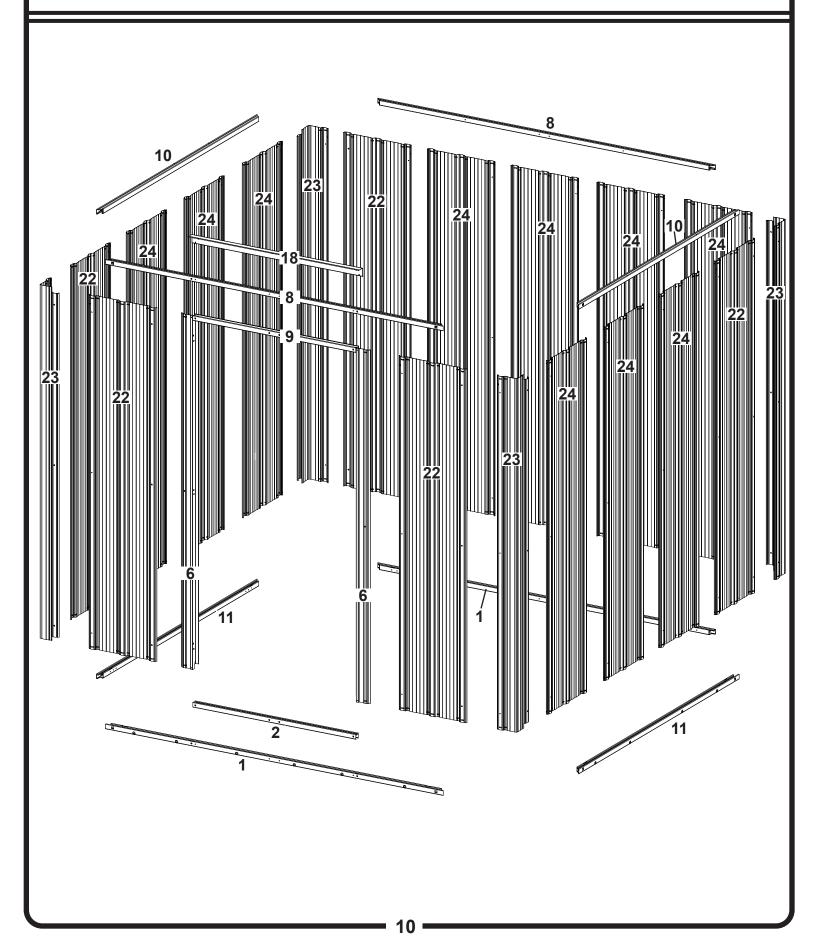
PARTS LIST...

| Key | Part | Part | Qty. | √ |
|-----|-------|---------------------------------|------|----------|
| No. | No. | Description | | List |
| 1 | 10256 | Floor Channel (unpainted) | 2 | |
| 2 | 10264 | Ramp (unpainted) | 1 | |
| 2 | 10275 | Horizontal Door Brace (painted) | 2 | |
| 4 | 10369 | Vertical Door Brace (painted) | 1 | |
| 5 | 10361 | Vertical Door Brace (painted) | 1 | |
| 6 | 11052 | Door Jamb | 2 | |
| 7 | 10288 | Door Brace Diagonal | 2 | |
| 8 | 10262 | Wall Channel (painted) | 2 | |
| 9 | 10263 | Header Trim (painted) | 1 | |
| 10 | 10261 | Wall Channel (painted) | 2 | |
| 11 | 10255 | Floor Channel (unpainted) | 2 | |
| 12 | 10278 | Gable Brace | 2 | |
| 13 | 10269 | Ridge Beam | 1 | |
| 14 | 10312 | Ridge Beam Angle | 1 | |
| 15 | 10267 | Roof Channel (painted) | 4 | |
| 16 | 10320 | Fascia Trim (painted) | 4 | |
| 17 | 10270 | Ridge Cap | 1 | |
| 18 | 11048 | Header Angle | 1 | |
| 19 | 10308 | Door Panel | 1 | |
| 20 | 10309 | Door Panel | 1 | |
| 21 | 10276 | Door Panel | 1 | |
| 22 | 10316 | Panel Wall | 5 | |
| 23 | 10268 | Corner Panel | 4 | |
| 24 | 10307 | Panel Wall | 10 | |
| 25 | 10990 | Gable Right | 2 | |
| 26 | 80111 | Gable Left | 2 | |
| 27 | 10252 | Roof Panel | 6 | |
| 28 | 10251 | Roof Panel Left | 2 | |
| 29 | 10250 | Roof Panel Right | 2 | |

Selected End Views by Key No.

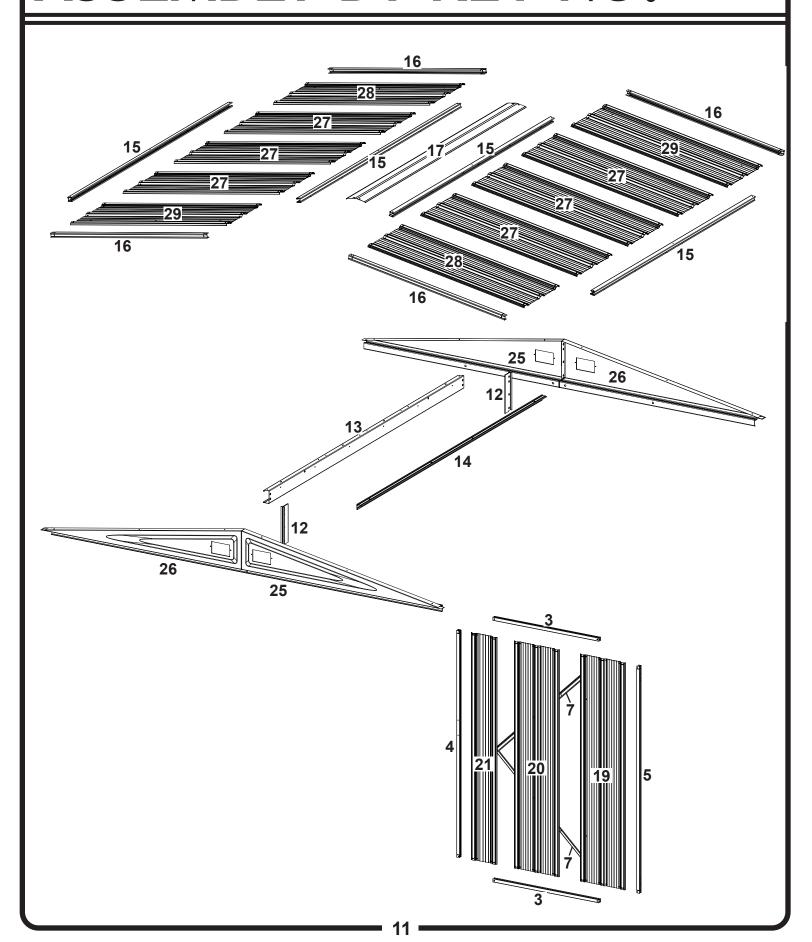


ASSEMBLY BY KEY NO.

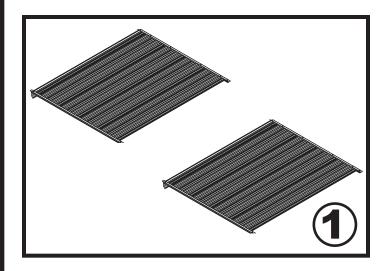


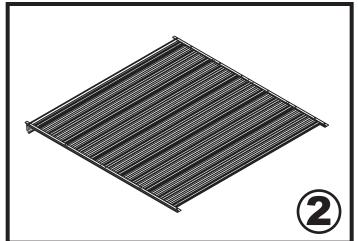
11BY

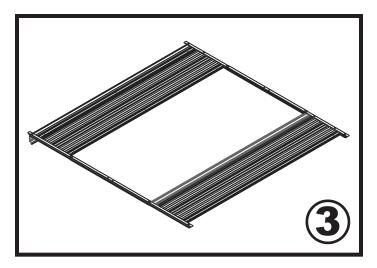
ASSEMBLY BY KEY NO.

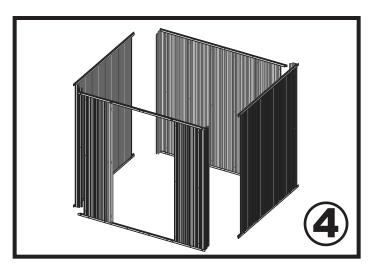


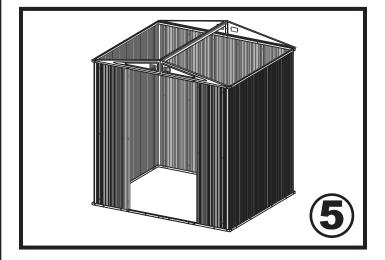
ASSEMBLY OVERVIEW

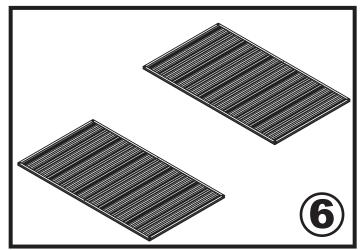




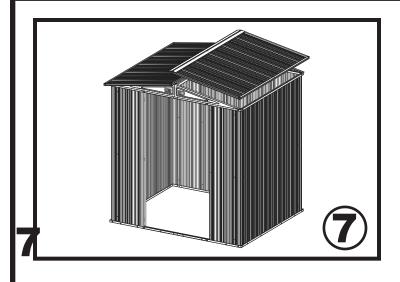


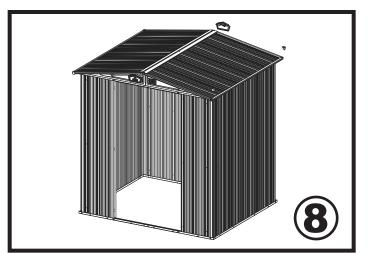


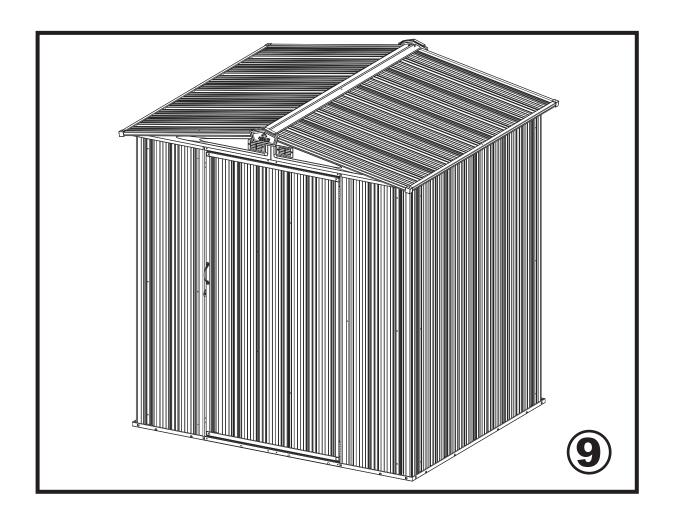




ASSEMBLY OVERVIEW







CONSTRUCTING A BASE...

OPTION 1: Directly on ground (earth)

Assemble your building directly on level ground (grass, dirt, rock, sand, etc.).

OPTION 2: 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
- 10 & 4 penny Galvanized Nails Concrete Blocks (optional)

NOTE: Pressure Treated Lumber <u>must not be used</u> 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.**

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)

FRONT (DOOR) 10,6 16"/24" 40,6 cm/61,0 cm 56 1/2" 57 1/2" 57

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.

OPTION 3: Concrete Slab

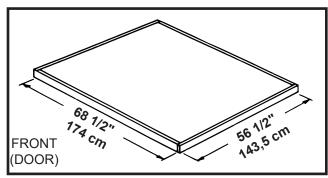
The slab should be at least 4" (10,2 cm) thick. It must be level and flat to provide good support for the frame.

The following are the recommended materials for your base.

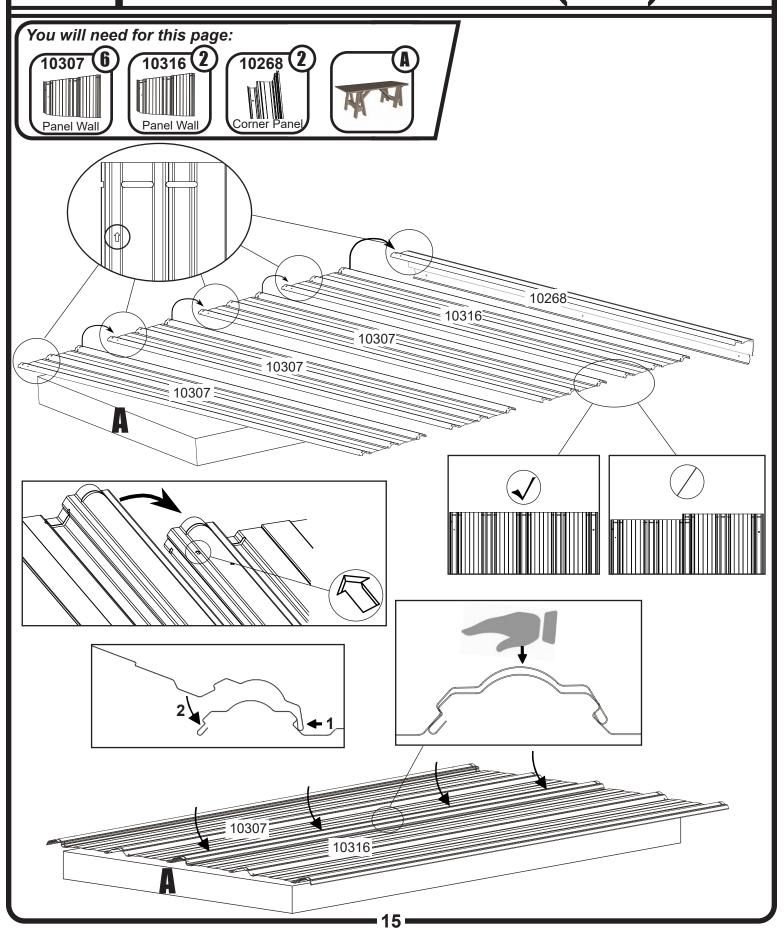
- 1 x 4's (19 mm x 89 mm) (will be removed once the concrete cures)
- · Concrete · Sheet of 6 mil plastic

Prepare the Site/Construct a Base

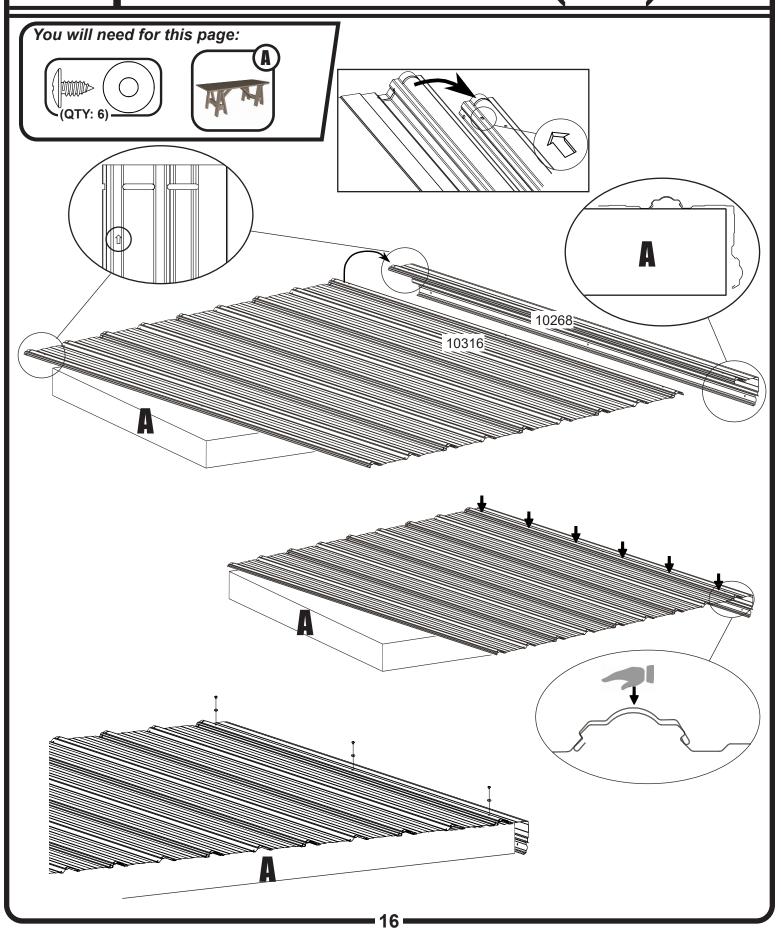
- 1. Dig a square, 6" (15,2 cm) deep into the ground (remove grass).
- 2. Fill up to 4" (10,2 cm) in the square with gravel and tamp firm.
- 3. Cover gravel with a sheet of 6 mil plastic.
- 4. Construct a wood frame using four planks of 1x4 (19 mm x 89 mm) lumber.
- 5. Pour in concrete to fill in the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

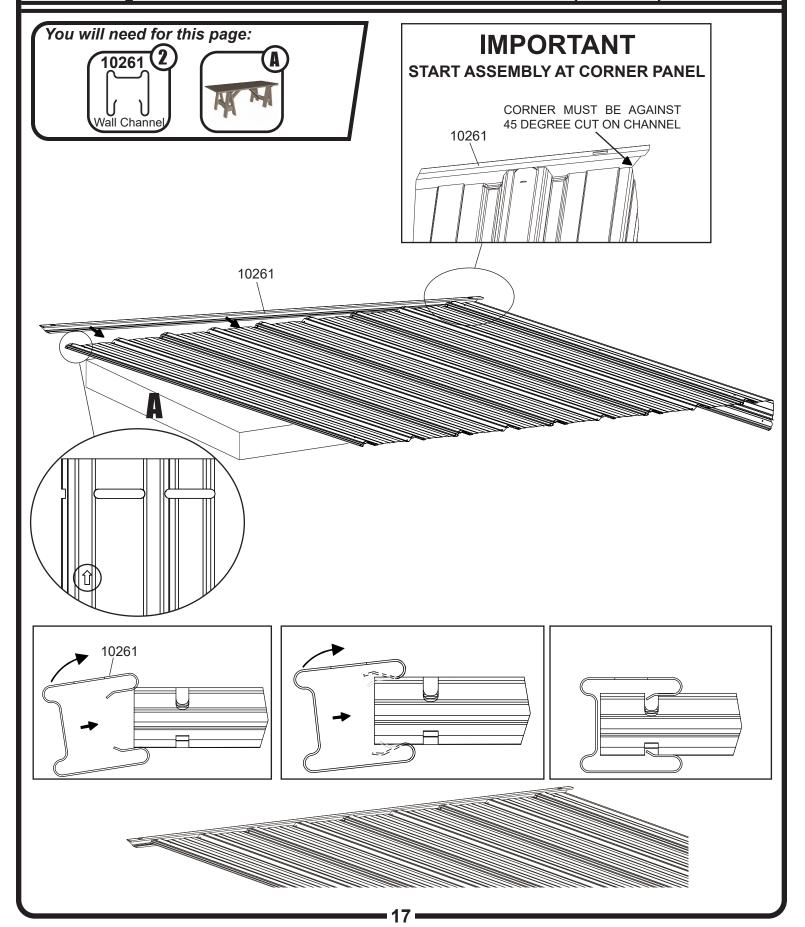


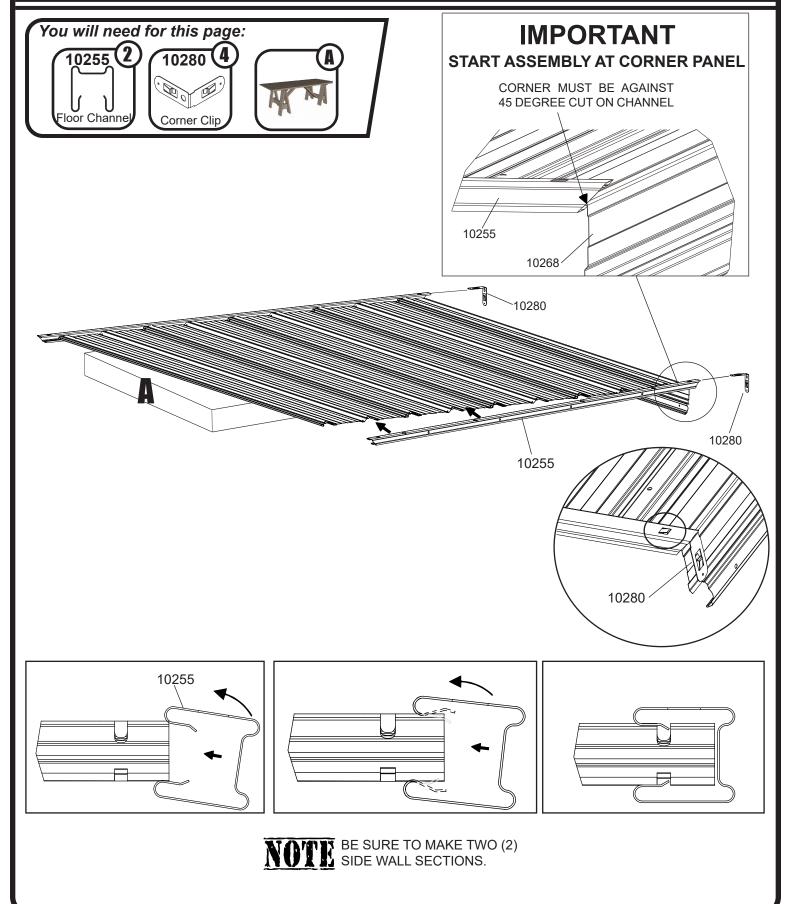
Note: Finished Slab dimensions, with lumber removed.



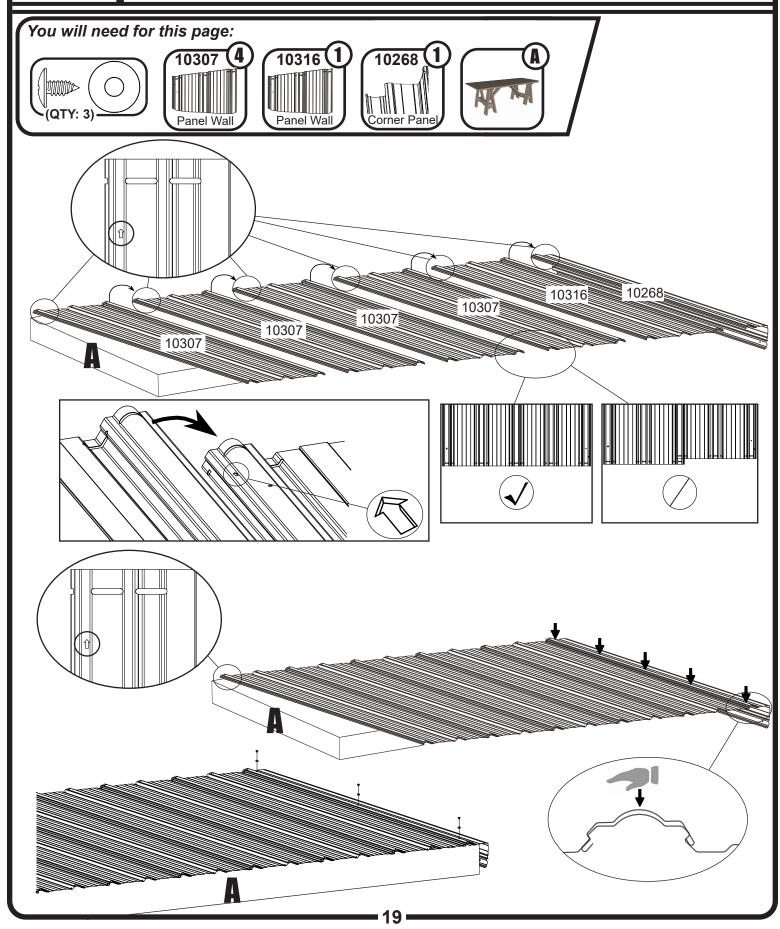
16BA



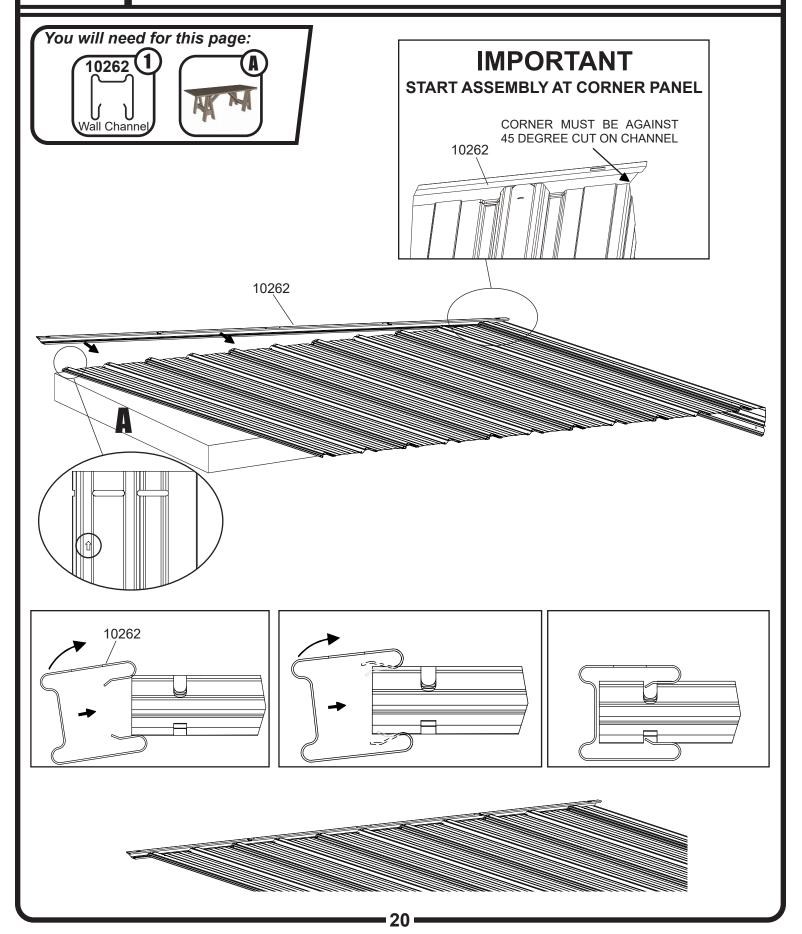




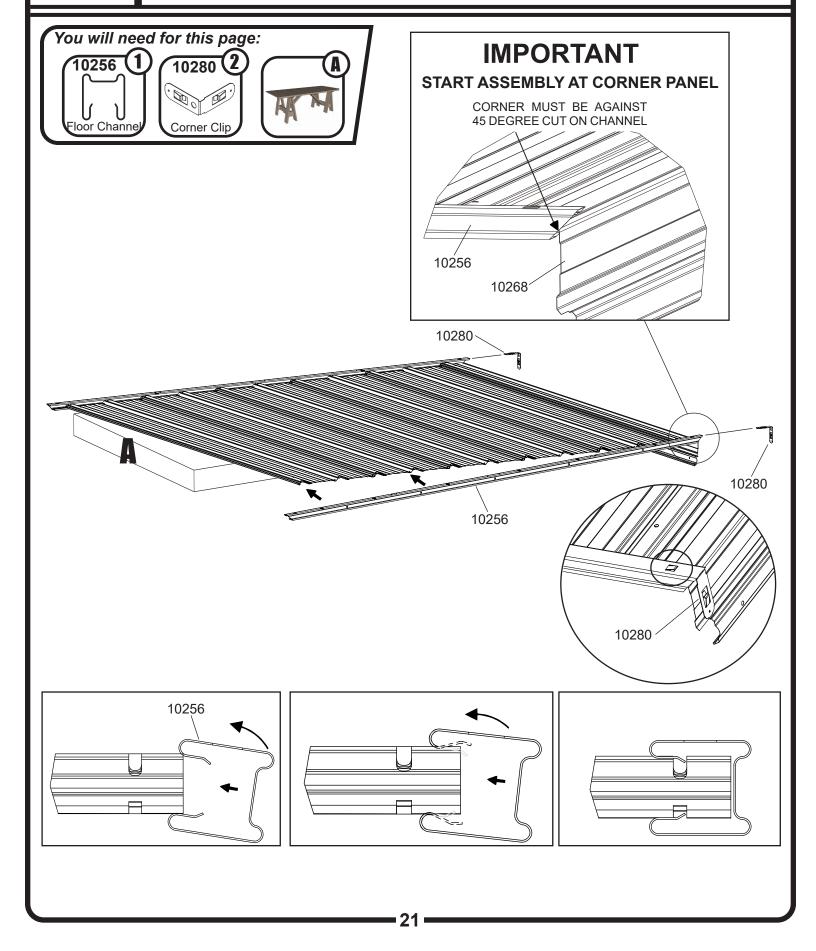
Step 2: Rear Wall



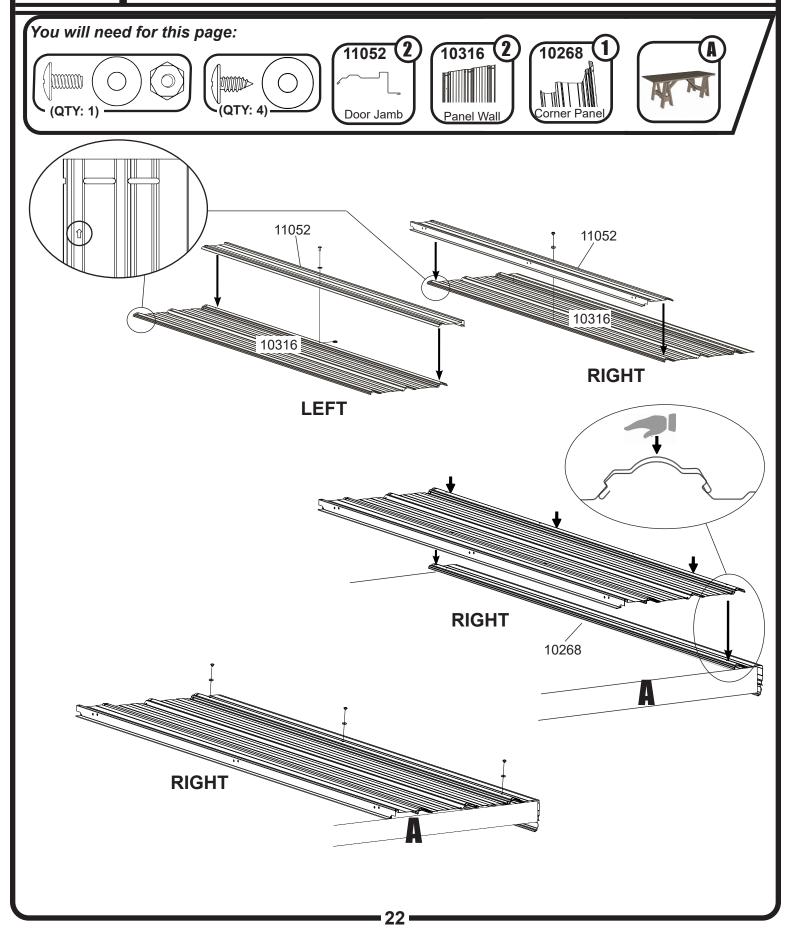
Step 2: Rear Wall



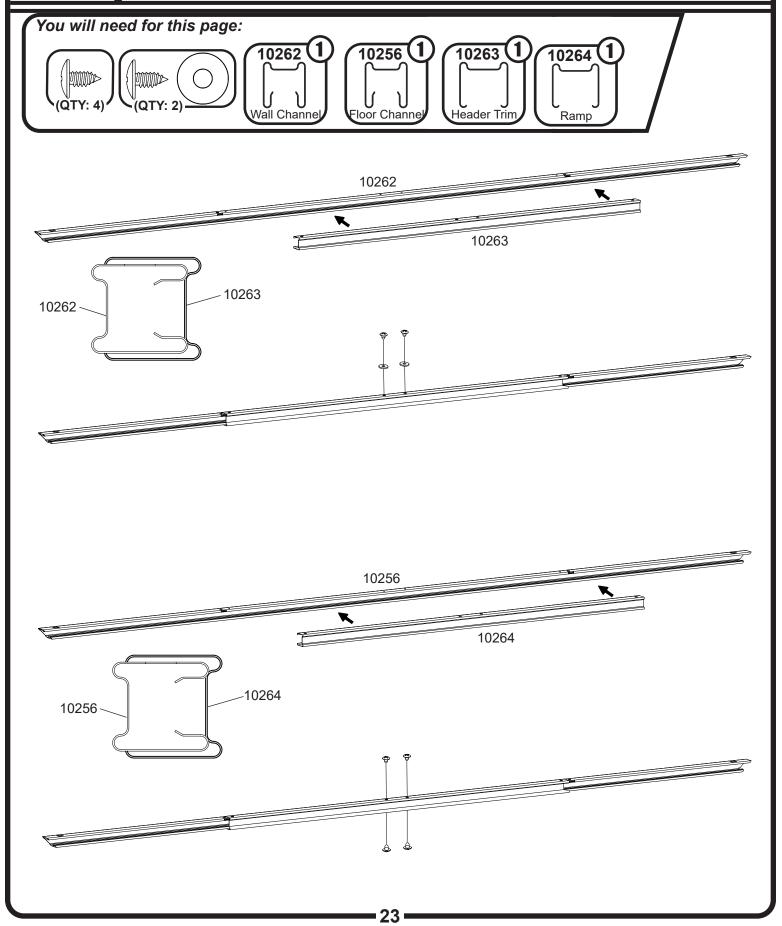
Step 2: Rear Wall



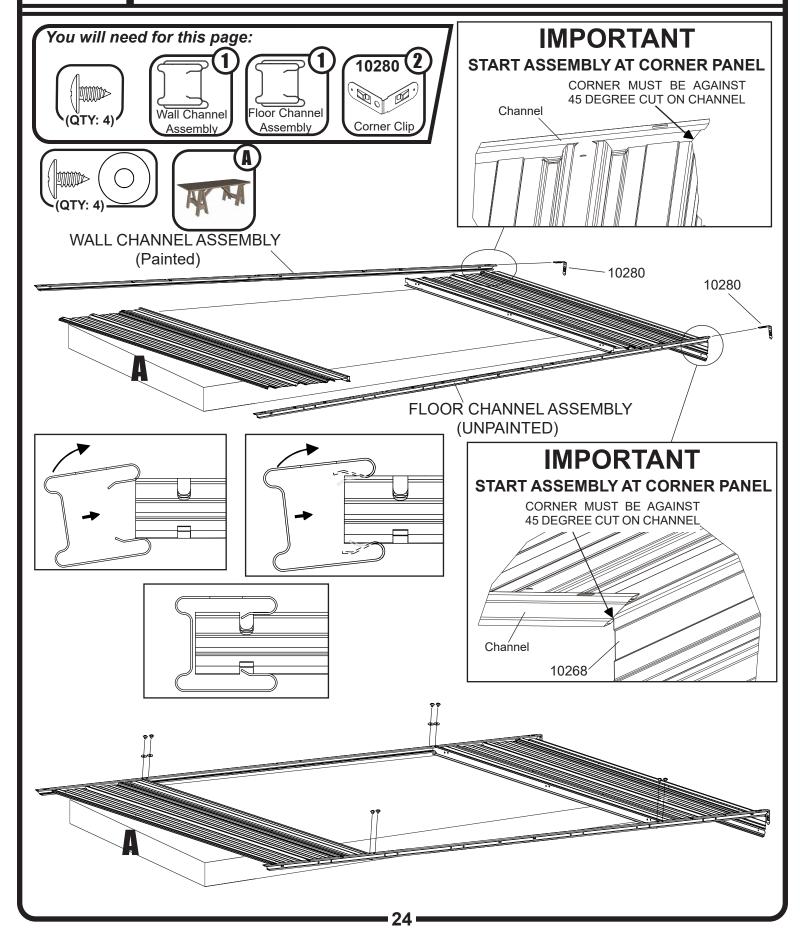
Step 3: Front Wall



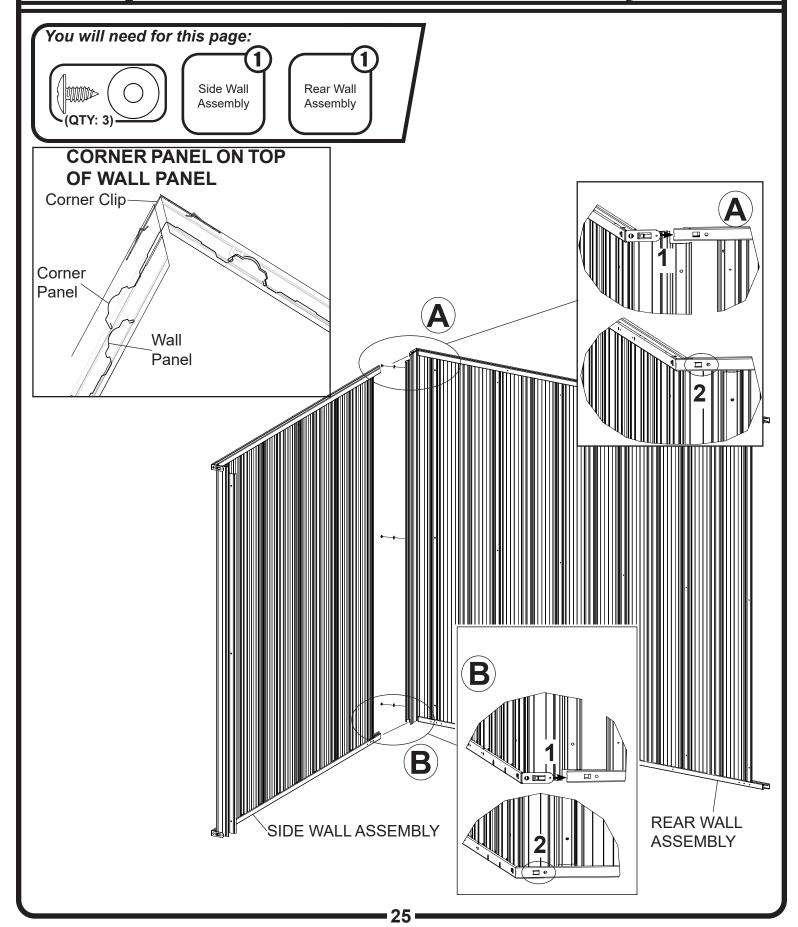
Step 3: Front Wall



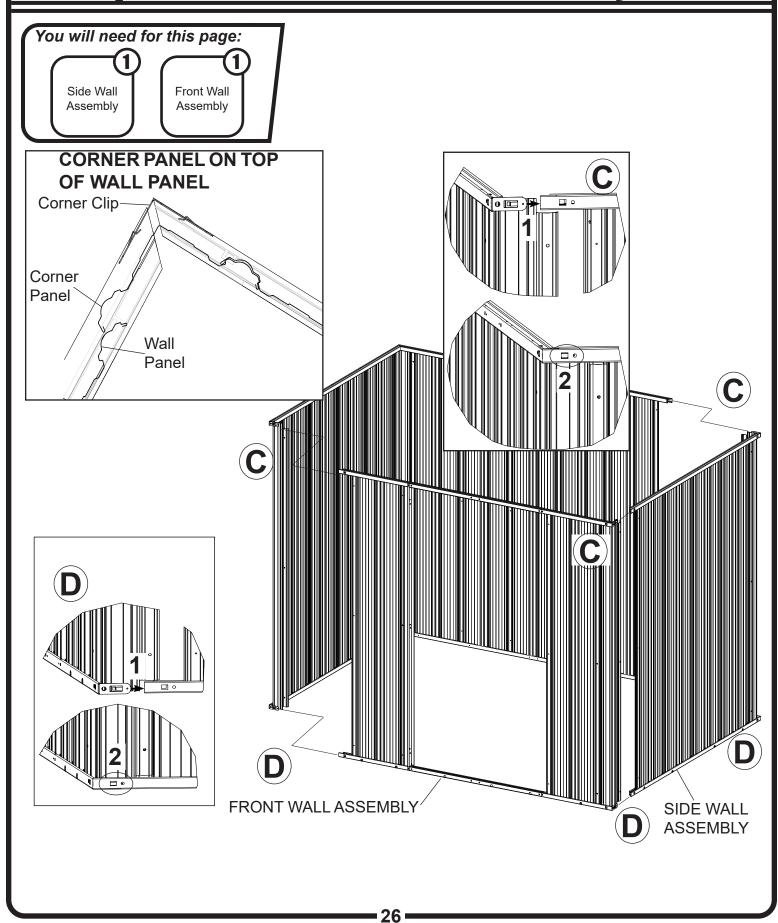
Step 3: Front Wall



Step 4: Wall Assembly

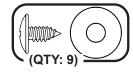


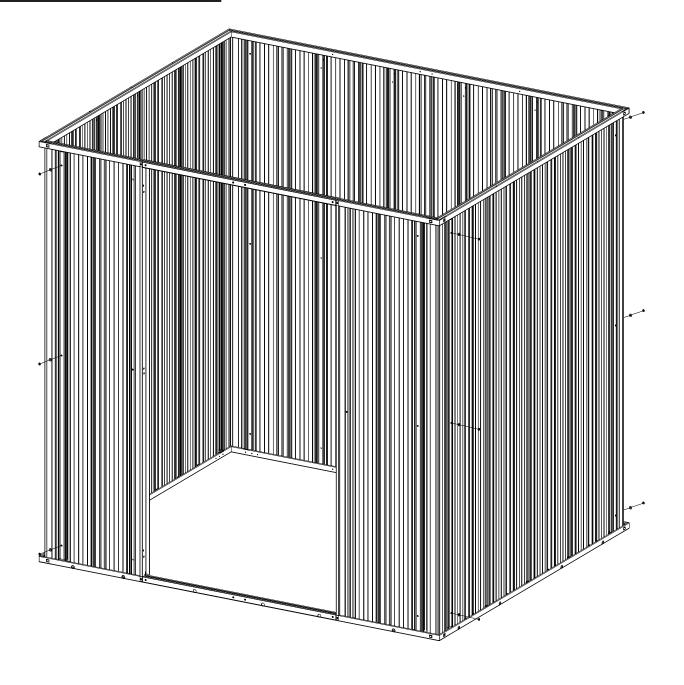
Step 4: Wall Assembly



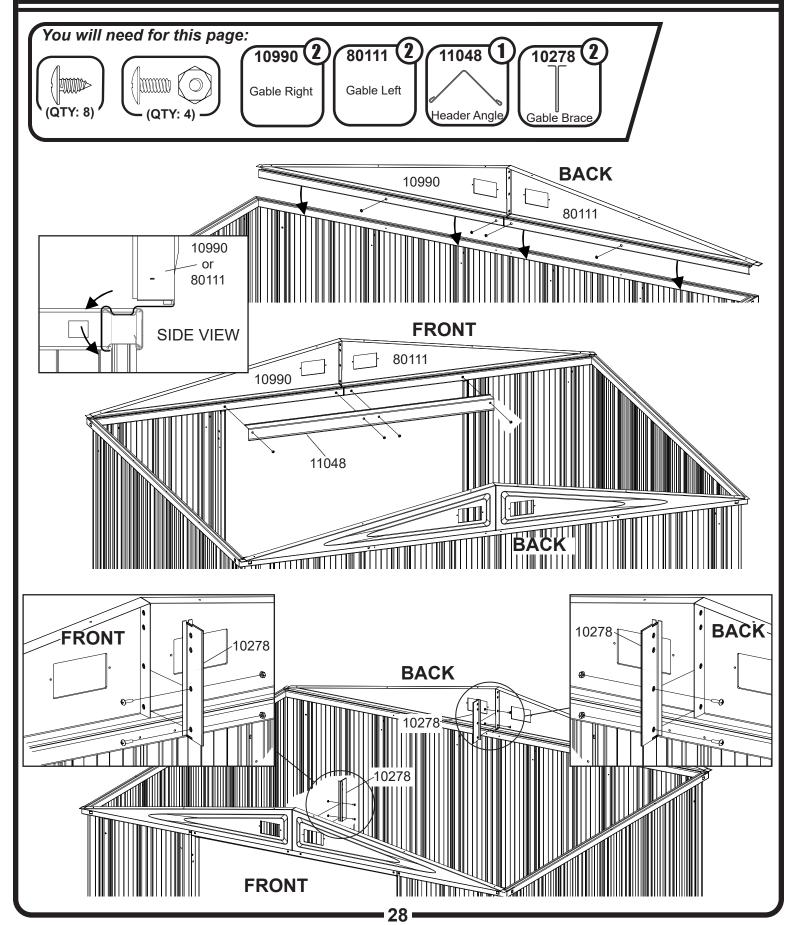
Step 4: Wall Assembly

You will need for this page:

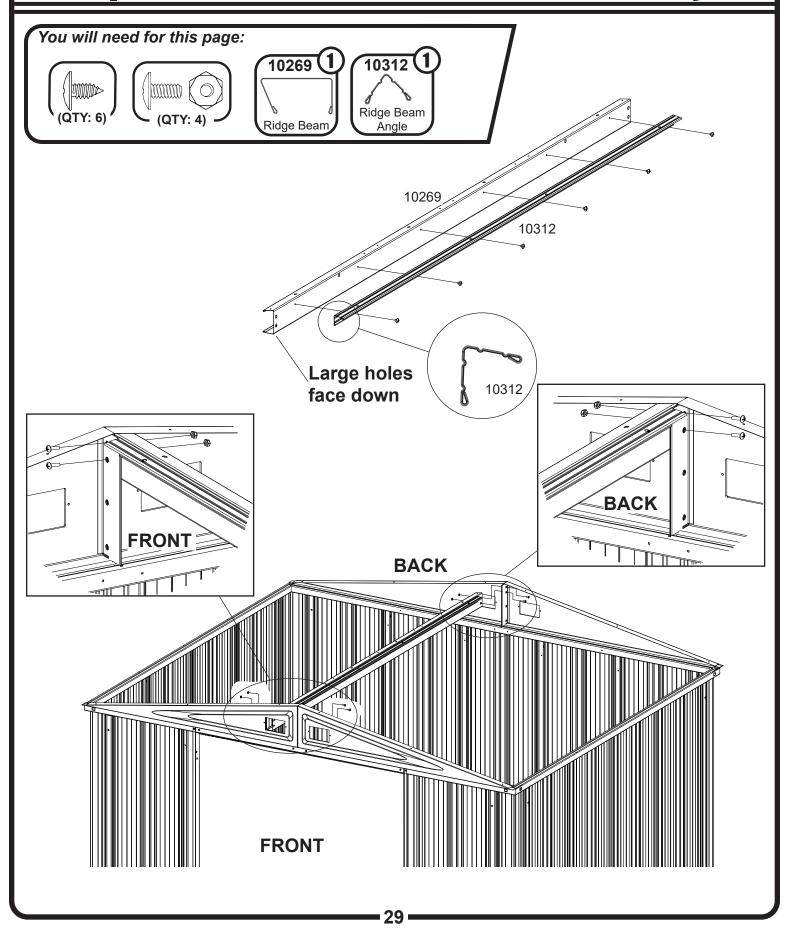




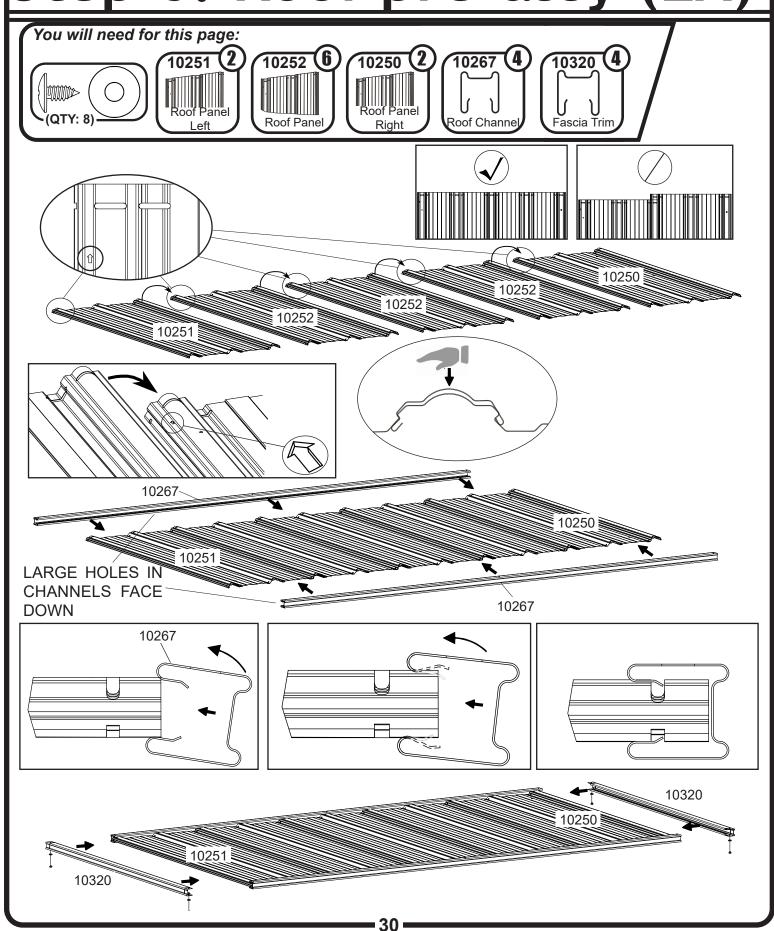
Step 5: Gable & Beam Assy



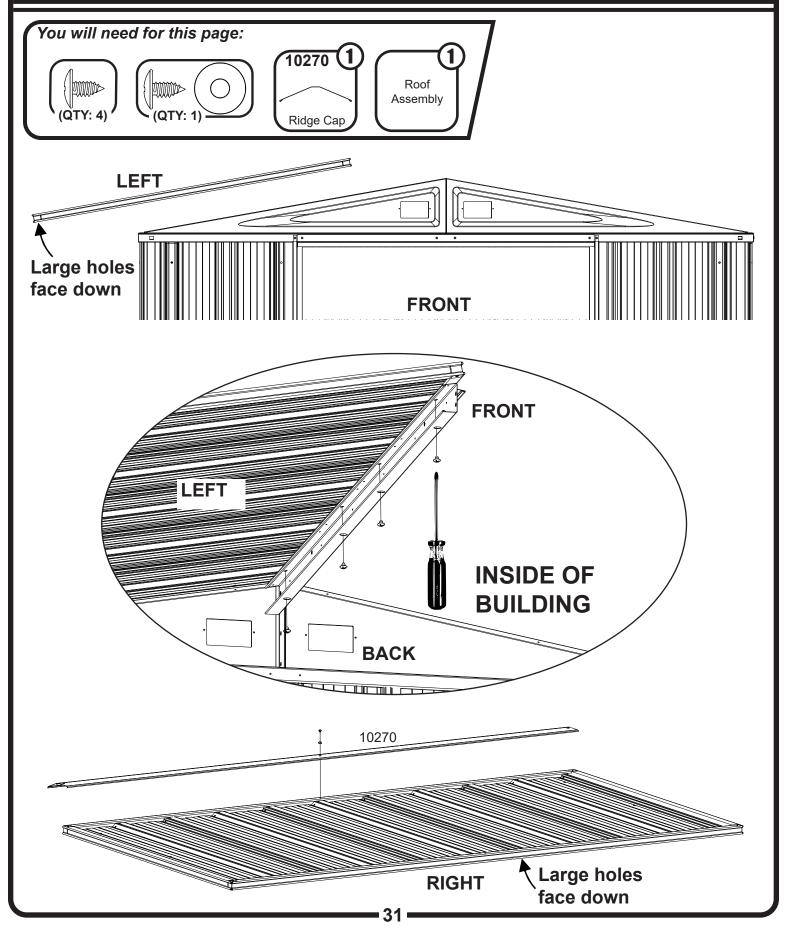
Step 5: Gable & Beam Assy



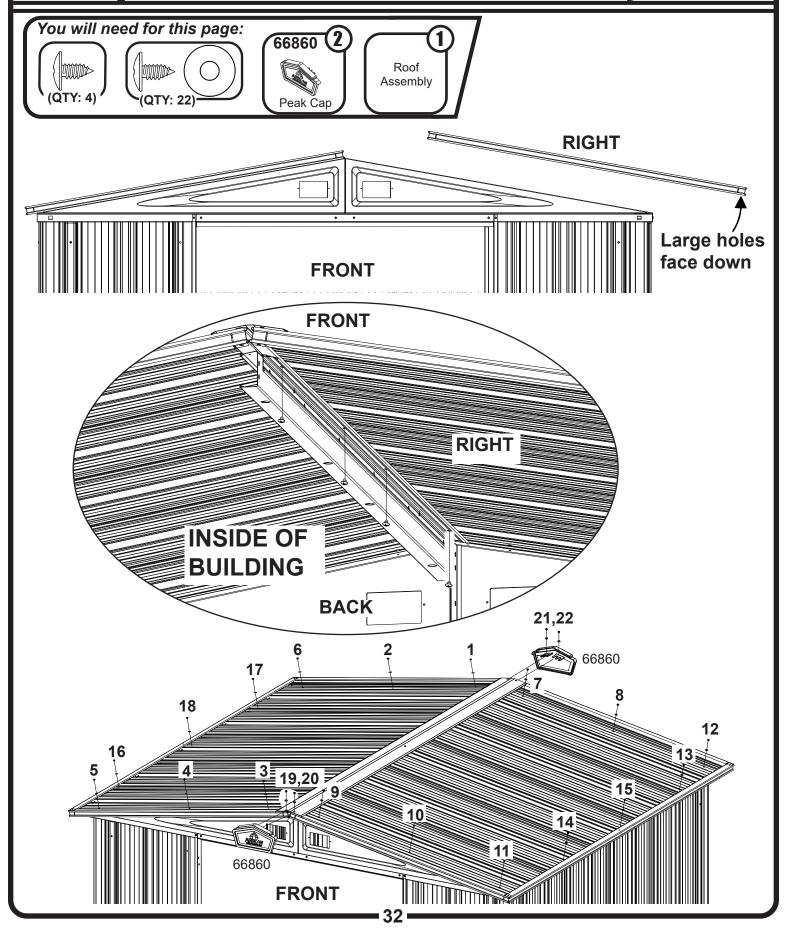
Step 6: Roof pre-assy (2X)



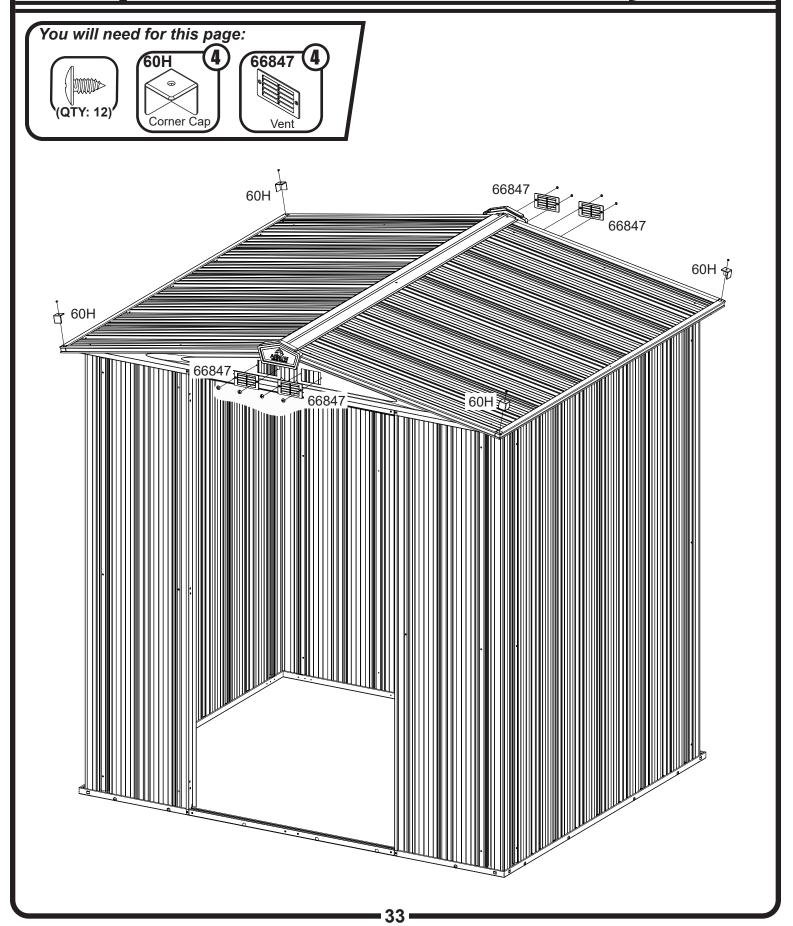
Step 7: Roof Assembly

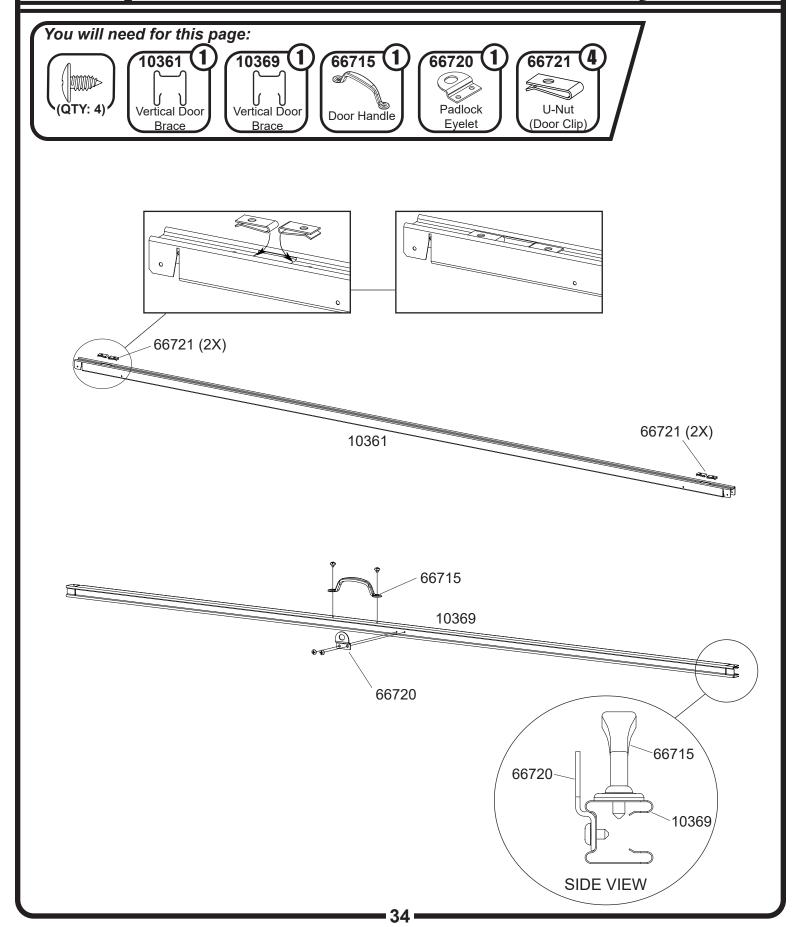


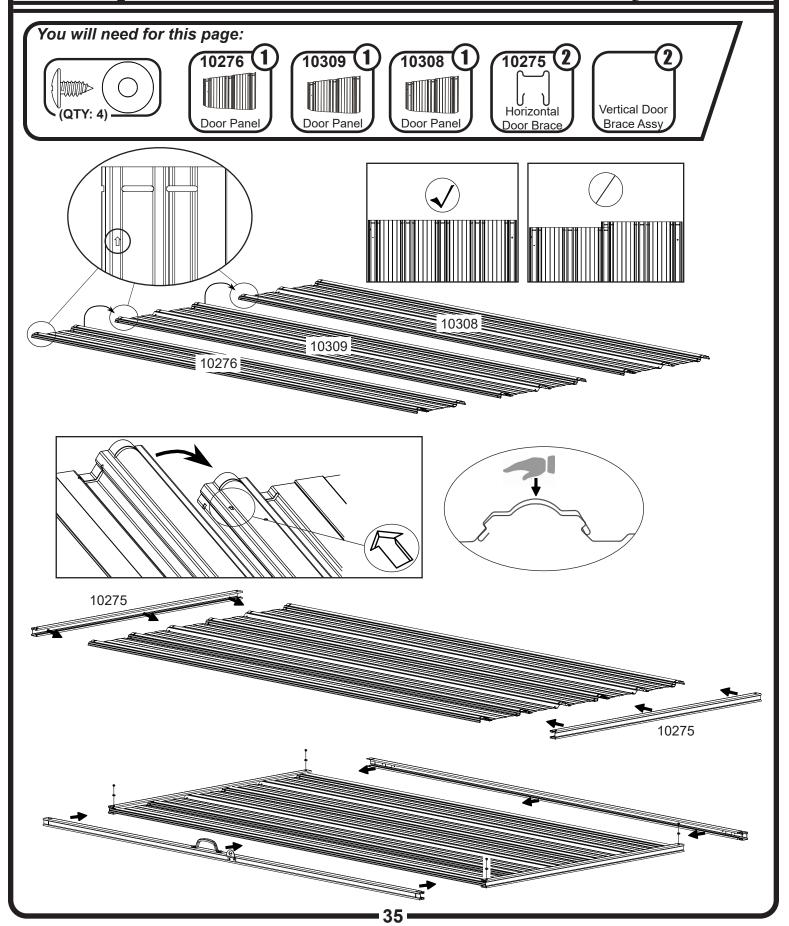
Step 7: Roof Assembly

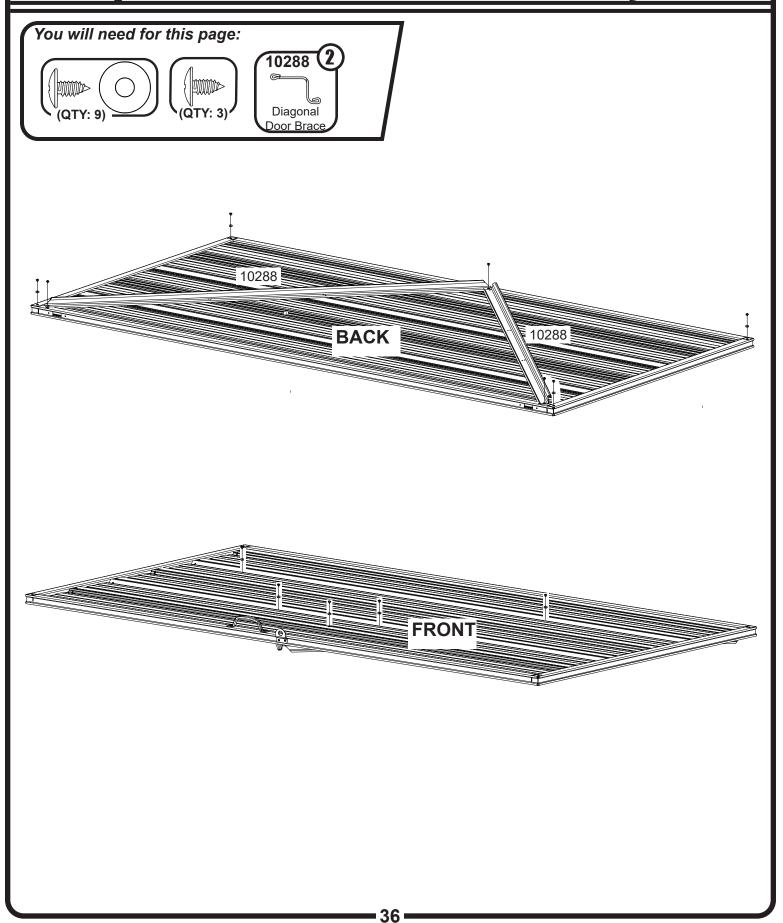


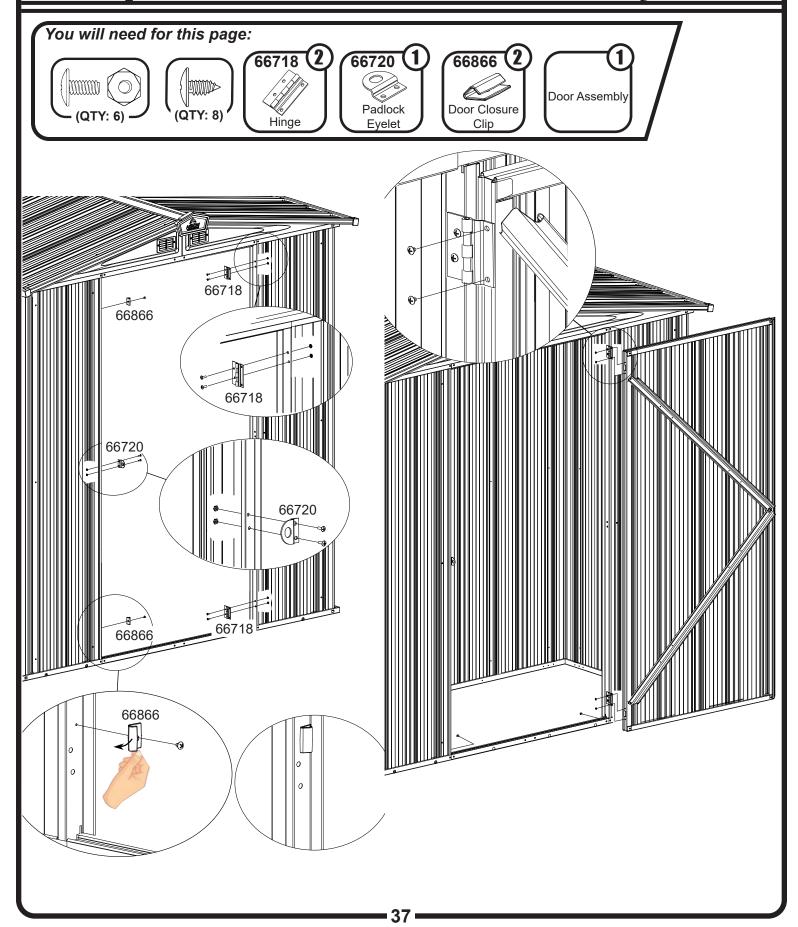
Step 7: Roof Assembly











ANCHORING OPTIONS...

IMPORTANT:

It is important that building be anchored after construction. These are recommended ways of anchoring.

Anchor into Wood or Concrete

For wood platform. Use Decking Screws. For concrete slab. Use Lag Screws.

