

### STEP 5: INSTALLING THE TRUSSES

*This step will be very difficult for one person to accomplish safely, so any assistance you can get would be very useful.*

Take the 2 x 6 ridge beam, making sure the left end is to the rear of the greenhouse so that the trusses will line up over the studs in walls A and B. Using the #6 x 1 1/4" screws, screw a joist hanger (SIMRR) to the ridge beam on both sides, rear and front. You will need to bend or cut off the outer tabs of the joist hanger so that they are flush with the front and back of the ridge beam.

Attach the remaining joist hangers (SIMRR) along the length of the ridge beam between the marks provided. Attach joist hangers (FB24Z) to the top of walls A and B between the marks provided, with the open side facing into the greenhouse.

Set the trusses in the joist hangers (SIMRR) on the ridge beam and screw in place. The top of the truss will be flush with the ridge beam. Stand this portion on top of the walls with the lower leg of the truss inside of the joist hanger (FB24Z). Screw the truss to the joist hanger. The truss system will not be stable at this point, but will stiffen as you proceed. Install the remaining trusses with screws into the joist hangers.

### STEP 6: UPPER END WALLS & DOOR FRAMING

The door framing should have been completed in Step 1, when framing wall D together. The upper end of wall C may have been framed as well. If not, refer to Figure 2 and finish framing. Next add the four hangers (H2.5AZ) that attach the upper end wall studs and the door studs to the end trusses. These go on the outside of the building. Lastly, add the two hangers (H1Z) that attach the beam pockets to the ridge beam at each end. These go on the inside of the building.

### STEP 7: INSTALLING THE DOOR

Install door per instructions provided with the door. The doorframe is attached to the door trimmers and header.



### STEP 8: INSTALLING THE PALRUF PANELS

*NOTE: Be sure you wear safety glasses, dust mask and gloves when cutting PVC!*

Have an assistant hold the Palruf panel across the face of the greenhouse so that it overlaps the T1-11 siding by about 2 inches. Match wiggle mold to the corrugations where they start at the upper edge of the panel next to the door trimmers. Mark and cut the wiggle mold to fit. Install wiggle mold on the upper sides of the door trimmers with 7D galvanized nails (The wiggle mold may split, unless nail holes are pre-drilled. Splitting will not have much effect on the performance and durability of the wiggle mold, but it will look best if not split.) Install three full sheets on the front and back faces of the greenhouse so that it overlaps the T1-11 siding by 2 inches. Overlap the Palruf panel by two bumps for the best seal. Use the #14 x 1" metal wood galvanized screws to attach the Palruf panels to the walls and trusses. Cut the extending Palruf panels following the outside edges of the trusses and around door opening.

Starting on one side, install the wiggle mold on the lower leg of the end trusses (shown in detail inset Figure 6) Install the first sheet of 2' x 10' Palruf panel so that it extends 2 inches over the T1-11 siding using the #14 x 1" metal wood galvanized screws. Measure and cut each succeeding wiggle mold to match the Palruf panels as you install it. Overlap the Palruf panel by two bumps for the best seal. After you have installed the Palruf panel that wraps over the peak of the roof, remember to place the following panels so that they are underneath the previous panel at the overlap. This will allow water to drain over the top of the panels and not leak into the greenhouse. Use the remaining 2' x 10' pieces of Palruf to finish enclosing the roof. Trim the last piece of Palruf panel so that it overlaps the T1-11 by 2 inches.

*NOTE: It is easier to install the Palruf panels on the face and back of the greenhouse before you install the roof. Also, it is easier to cut and match the wiggle mold to the panels, if they are installed from one side, over the top and down the other side, than it is to try to match the corrugations at the peak of the roof.*

### STEP 9: INSTALLING TRIM

Cut and install cedar trim so that it holds down bottom edge of the Palruf panel. Also, 1 x 4 cedar trim will go on the four corners of lower walls and around the doorframe.

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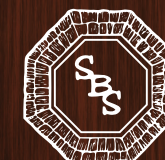
EZ Builder Kits have been designed with the Do-It-Yourselfer in mind.

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Though no formal building experience is necessary to do this project, some areas may be confusing or difficult. If you have any questions, please feel free to call your local SBS store.



**8' x 10' Palruf PVC Greenhouse Kit**



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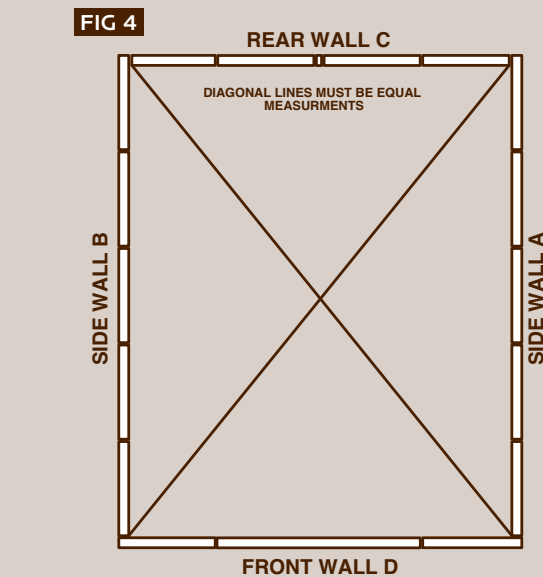
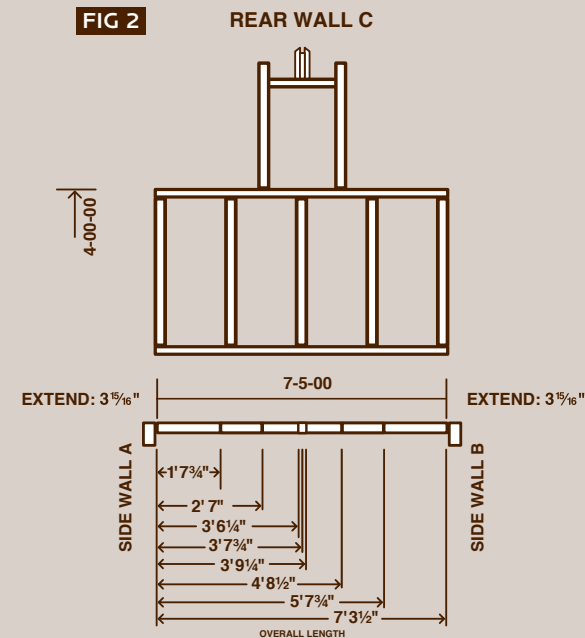
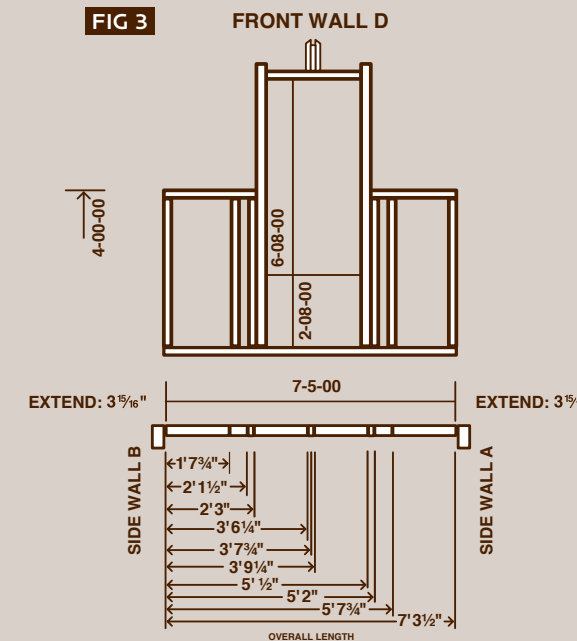
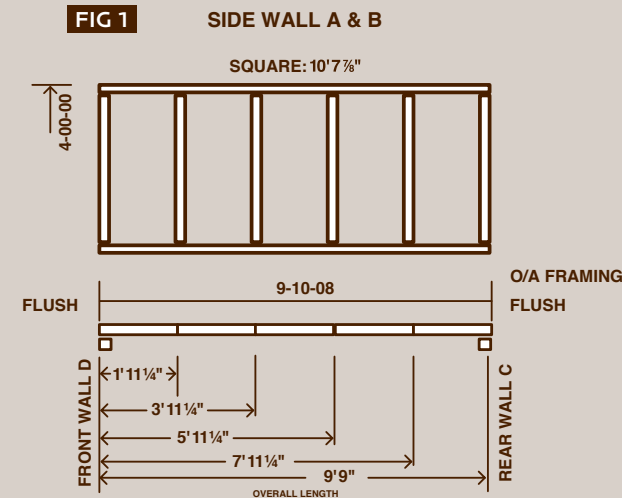
# 8' x 10' PALRUF PVC GREENHOUSE KIT BUILDING STEPS

## Tools Required

- Stepladder (10' or taller)
- Hammer
- Nail Set
- Circular Saw/Hand Saw
- Screwdriver/Cordless Screwdriver
- Dust Mask
- Chalk Line
- Square
- Level
- Safety Glasses

## Material List

1 ea.	2x6	9' 10½" Doug-Fir (Ridge Beam)
4 ea.	2x4	9' 10½" Doug-Fir (Side Walls A & B, Top & Bottom Plates Precut)
3 ea.	2x4	7' 5" Doug-Fir (Rear Wall Top & Bottom Plates/Front Wall Bottom Plate Precut)
2 ea.	2x4	7' 15/16" Doug-Fir (Front Wall Jack Studs with Angle Precut)
2 ea.	2x4	3' 4 9/16" Doug-Fir (Rear Wall Jack Studs with Angle Precut)
1 ea.	2x4	2' 8" Doug-Fir (Front Wall Header Precut)
1 ea.	2x4	2' Doug-Fir (Rear Wall Sill Plate Precut)
2 ea.	2x4	2' 3" Doug-Fir (Front Wall Top Plates Precut)
4 ea.	2x4	10 3/16" Doug-Fir (Front & Rear Wall Beam Pocket Cripples with Angle Cut Precut)
2 ea.	2x4	8 5/16" Doug-Fir (Front & Rear Wall Beam Pocket Cripples Precut)
23 ea.	2x4	45" Studs Doug-Fir (Precut)
5 ea.	7/16" x 4'x8'	T1-11 OSB Smart Siding
12 ea.		Greenhouse Trusses (Prebuild)
4 ea.		H2.5A2 Joist Hangers
12 ea.		FB24Z Joist Hangers
12 ea.		SIMRR Joist Hangers
2 ea.		H1Z Joist Hangers
5 lb.		Siding Nails
3 lb.		Framing Nails
2 lb.		#6 x 1¼" Screws (Joist Hanger Screws)
7 ea.	1416RSGWRC	1 x 4 x 16' Cedar Boards
4 ea.	pvc2SBcp	26" x 8' Clear PVC Panel Palruf
7 ea.	pvc2610cp	26" x 10' Clear PVC Panel Palruf
1 ea.	6129753	32" x 81" Storm Door Mill Finish
4 ea.	3309142	72" Horizontal Suntuf Closure Wood



- The SBS greenhouse kit is not totally precut. Trusses and studs are precut. Some other cutting is required.
- It is possible for one person to build this kit, however it is much easier and we recommend that you have at least two people help with this construction.

- This kit does not have a floor. A floor kit is available as an option. If this greenhouse is to be set directly on the ground we recommend that treated 4 x 4's be placed below the bottom plate to protect against rot.
- Though no formal building experience is necessary to do this project, some areas may be confusing or difficult. If you have any questions, please feel free to call your local SBS store.

## STEP 1: LAYING OUT THE WALLS

The ridge beam and all the wall plates have been precut to length and pre-marked with layout patterns (marked from left to right).

## STEP 2: FRAMING THE WALLS

Nail walls A and B together first, using the 45" studs and the 16D nails (refer to Figure 1). The studs on the end of the walls should be flush with the edge of the wall top and bottom boards. Each inside stud must be centered between the two marks on the top and bottom boards. Frame walls C and D in the same manner (refer to Figures 2 and 3).

*Note: Be sure to mark walls in/out, top/bottom, rear/front to prevent confusion during construction.*

## STEP 3: SHEATHING THE WALLS

Cut all T1-11 to 48" height. Use a chalk line to mark across the back of the T1-11 before cutting. Nail T1-11 to walls A and B, starting at rear (left) end. Keep T1-11 flush with all edges. Nail 7D galvanized siding nails into the grooves with a nail set, where possible. Trim excess T1-11 flush with front end of walls A and B.

Walls C and D require that you extend the T1-11 out 3 15/16 inches at each end on both sides of the walls. These extended ends will nail into the studs and overlap the T1-11 on the front and rear walls A and B. Again, be sure to start at left sides of walls C and D so end of T1-11 will fall onto studs. Again, nail 7D galvanized siding nails into the grooves with a nail set, where possible.

Nail the T1-11 to Wall C using two of the T1-11 panels. Measure and cut the second panel so that it overhangs the right edge of the wall by 3-15/16 inches.

Repeat for wall D.

## STEP 4: STANDING THE WALLS

Stand the walls (refer to Figure 4). Be sure the stud patterns from walls A and B match from side to side. Pull corners tight. Nail T1-11 and wall studs together using 16D galvanized nails. Do this with the three remaining corners. Square the structure by obtaining equal diagonal measurements from corner to corner (as shown in Figure 4). Using a level, now level the four walls up. This may take some adjusting and readjusting depending on the levelness of the ground.

*(continued on back)*