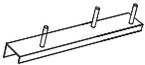


GRANDIO[®]

G R E E N H O U S E S

GRANDIO ASCENT ADDITIONAL ROOF VENT KIT FOR NEW AND EXISTING GREENHOUSE CUSTOMERS

(GRA-ASC-VENT) ASCENT ROOF VENT PACKING LIST

GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	HQC01	ROOF VENT ARM	1
	HQC02	ROOF VENT LATCH	1
	Z04, S04/ML01	ROOF VENT HARDWARE	2 EACH
	S04/ML01	COMBOS FOR 603B/W04	8
	603B	21 7/8 in / 555 mm	1

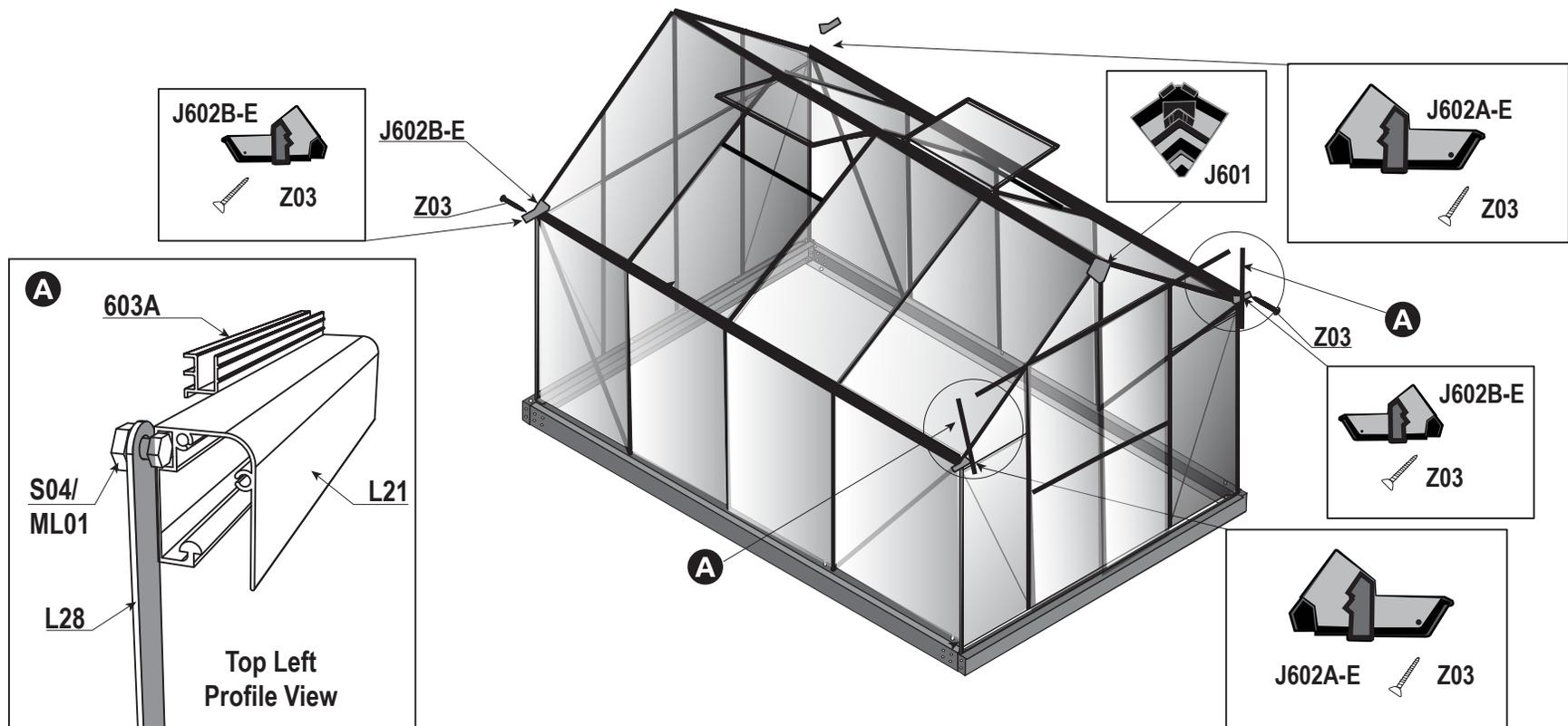
GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	615	22 3/4 in / 578 mm	1
	616	22 3/4 in / 578 mm	1
	618	19 11/16 in / 500 mm	2
	W04	CONNECTOR FOR 603	2
	Z02	SCREWS FOR ROOF VENT	5

Warning: This section is only for already built greenhouses. If you are just building your greenhouse for the first time skip ahead to page 3 for roof vent assembly.

REMOVING GUTTER INSTRUCTIONS

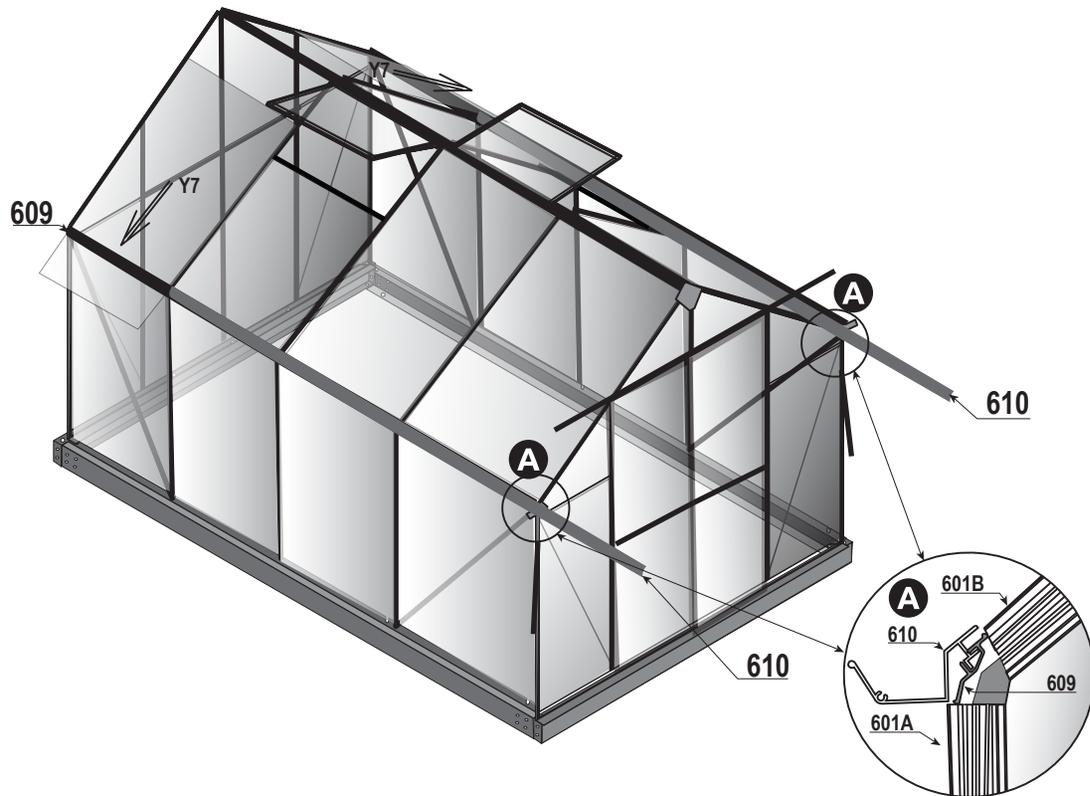
1.1 Detach the **L28** from only the top **L21** as shown, let it fall to the side out of the way of the end caps on the side with the doors. See **A**.

1.2 Detach all **J602B**, **J602A** and **J601** end caps from the gutters on both front and back of your greenhouse as shown below. Set aside the end caps and hardware in a safe place for reinstallation later.



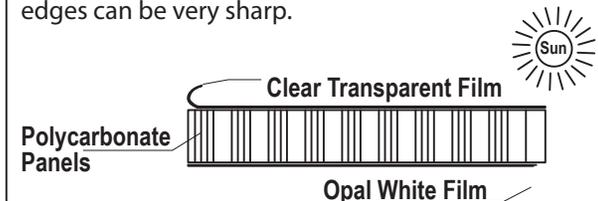
REMOVING GUTTER INSTRUCTIONS

1.3 Slide **610** out of **609's** groove only as many panel sections as are needed to access the panel you would like to swap out for the roof vent of as shown in diagram **A**. Window positions are your discretion however, must be in the middle for support, do not place nearest the front or back as you will need a **602B** support to keep in window vent in place. Remove the **Y7** panels, be sure to note which side should face the sun, if not marked, mark an "X" with a permanent marker in a lower corner. Repeat on other side if you are installing more panels on that side.



⚠ IMPORTANT: POLYCARBONATE PANELS ⚠

The UV-Protected side is covered with clear film and must face toward the sun. The side covered in white film will always face the interior of the greenhouse. We suggest you peel all film off completely prior to assembly and use a permanent marker to place a small "X" on the lower right corner of each panel on the clear side that faces the sun, each panel has a sticker labeling the panel number and this side always faces the sun or outward as well. **DO NOT REMOVE LABELS UNTIL YOU INSTALL PANELS.** The "X" is suggested in case you dis-assemble your greenhouse in the future so you may identify which side has the UV coating. Always use gloves when handling the polycarbonate panels as the edges can be very sharp.

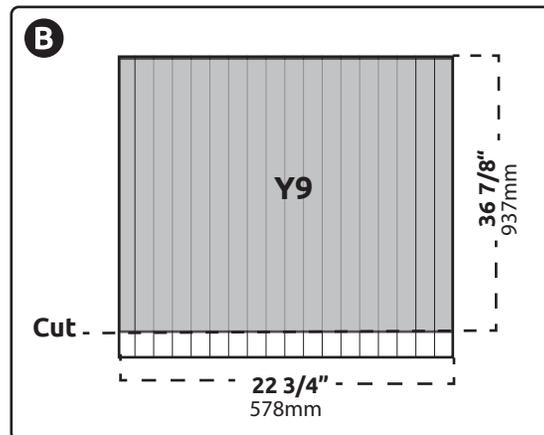
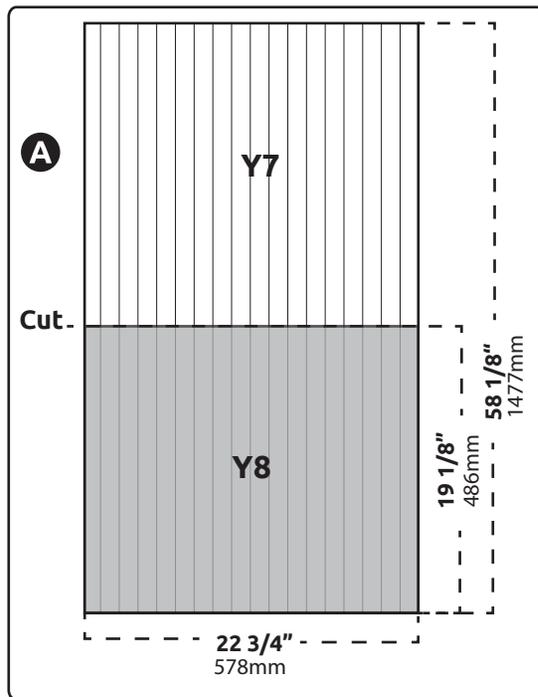


ROOF VENT ASSEMBLY

1.4 Locate your **Y7 Panel** from your original greenhouse or in the panel box if just beginning building now. You will need a utility knife, straight edge ruler or square, a tape measure and a permanent marker for the next steps. You will need to mark a small "x" on the side of the panel that should face outwards to the sun.

1.5 You will need to cut **(1)** of the **Y7 Panels** which measure **22 3/4" x 58 1/8"** to the dimensions of a **Y8 Roof Vent Panel** which is **22 3/4" x 19 1/8"**. See **(A)**.

1.6 You will need to cut what is left over of the **Y7 Panel** which now should measure **22 3/4" x 39"** to the dimensions of a **Y9 Roof Vent Panel** which is **22 3/4" x 36 7/8"**. See **(B)**.

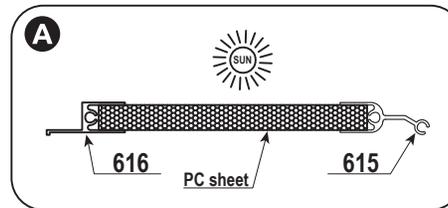
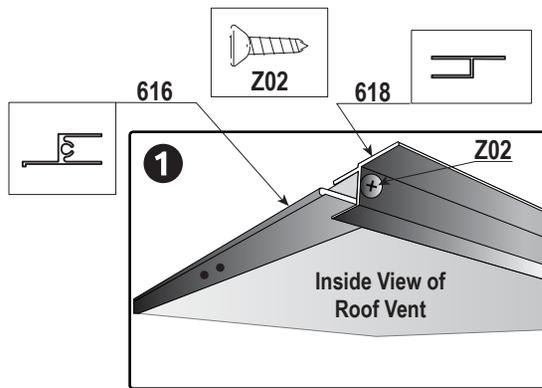
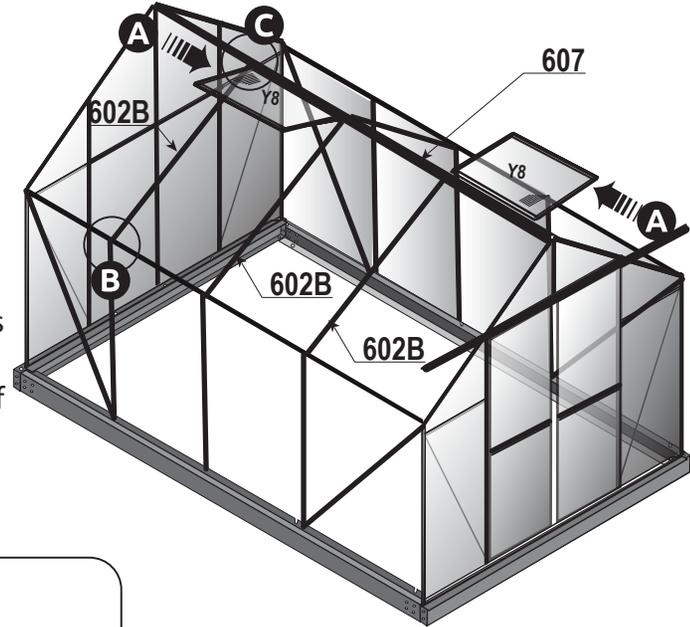


ROOF VENT ASSEMBLY

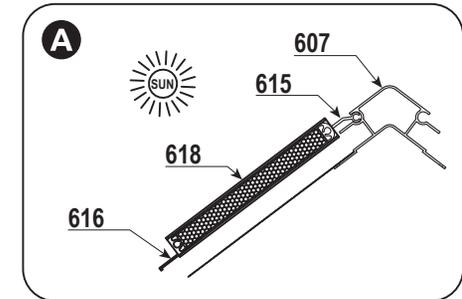
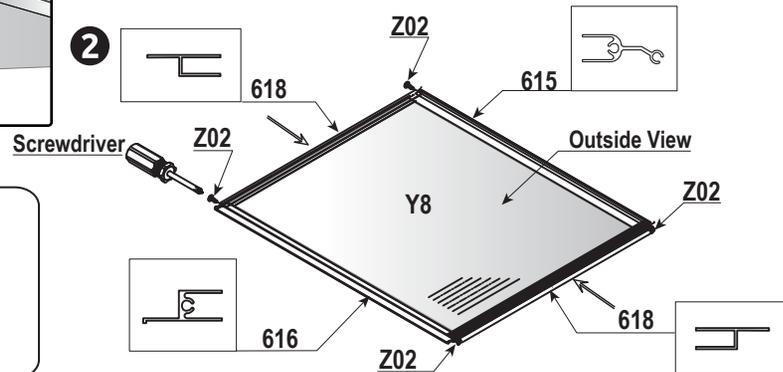
1.7 Assemble the roof window vents as shown below in **1** and **2**, using the **Z02** screws attach the **615**, **616**, and **618**'s with the **Y8** panel as shown. Be careful not to strip screw heads. Pay attention to the **Y8** panel, stickers or "x" face the sun. If you are a first time builder refer to your assembly manual for installation and discard this manual, proceed with this manual for existing greenhouse users only.

1.8 Insert assembled window into the end of ridge of **607** and slide into position. See **A**. Window positions are your discretion however, must be in the middle for support, do not place nearest the front or back as you will need a **602B** support to keep in window vent in place. Place directly across from each other for best cross draft ventilation, see **C** for optional placement. Attach the **602B**'s as shown between **B** and **C**, after all roof vents are positioned.

1.9 You may need to remove some **602B**'s to slide into place then replace after roof vents are positioned.



Note Correct Orientation



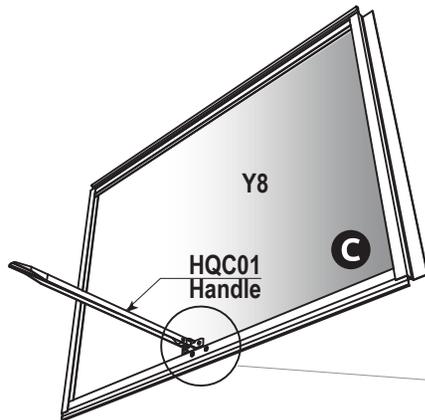
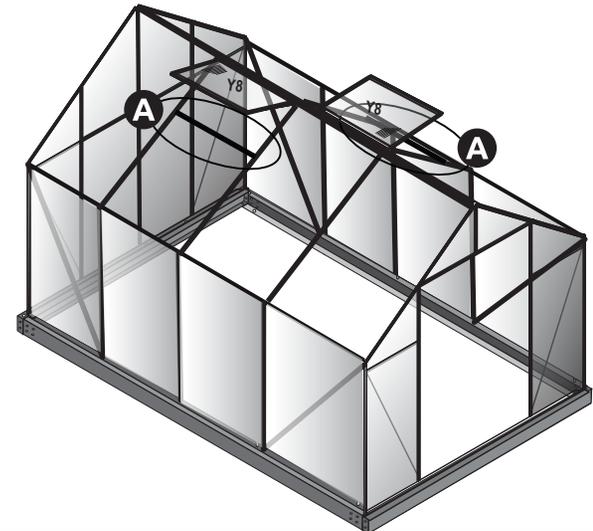
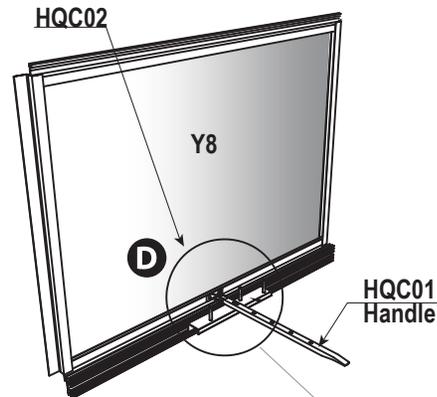
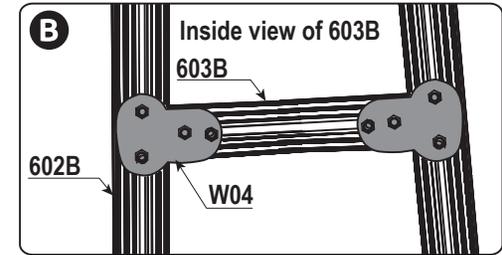
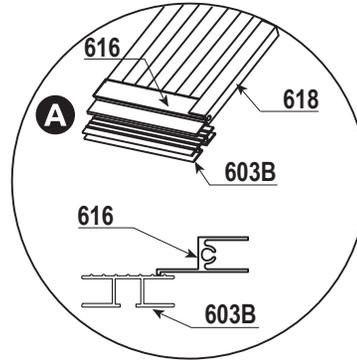
GRANDIO TIP Place roof windows in desired location before attaching all **602B**'s, if already partially built you will need to loosen and re attach after installation.

MIDDLE ASSEMBLY CONTINUED

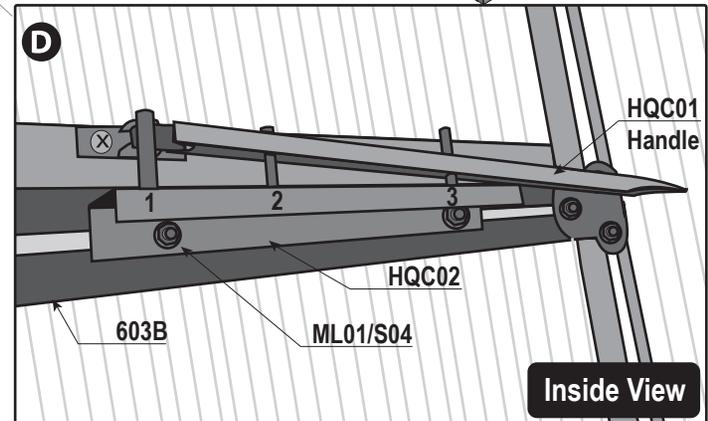
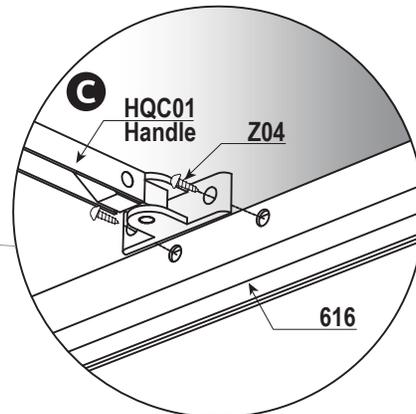
1.10 To ensure there is no gap in roof vent position **603B** as shown in **(A)**. Connect **603B** to middle of **602B**'s using **W04** bracket as shown in **(B)**.

1.11 Attach **HQC01** to **616** with the **Z04** screws see **(C)**, close roof vent and attach the handle onto **HQC02** middle pin (the first two holes of the handle to the second and third pins of **HQC02**). Then attach **HQC02** into **603B**'s track with **S04/ML01** (nuts and bolts), see **(D)**.

Note: If you are installing automatic roof vent openers follow those directions for correct installation. SAVE MANUAL OPENERS FOR WINTER SWITCHOUT.



Inside View

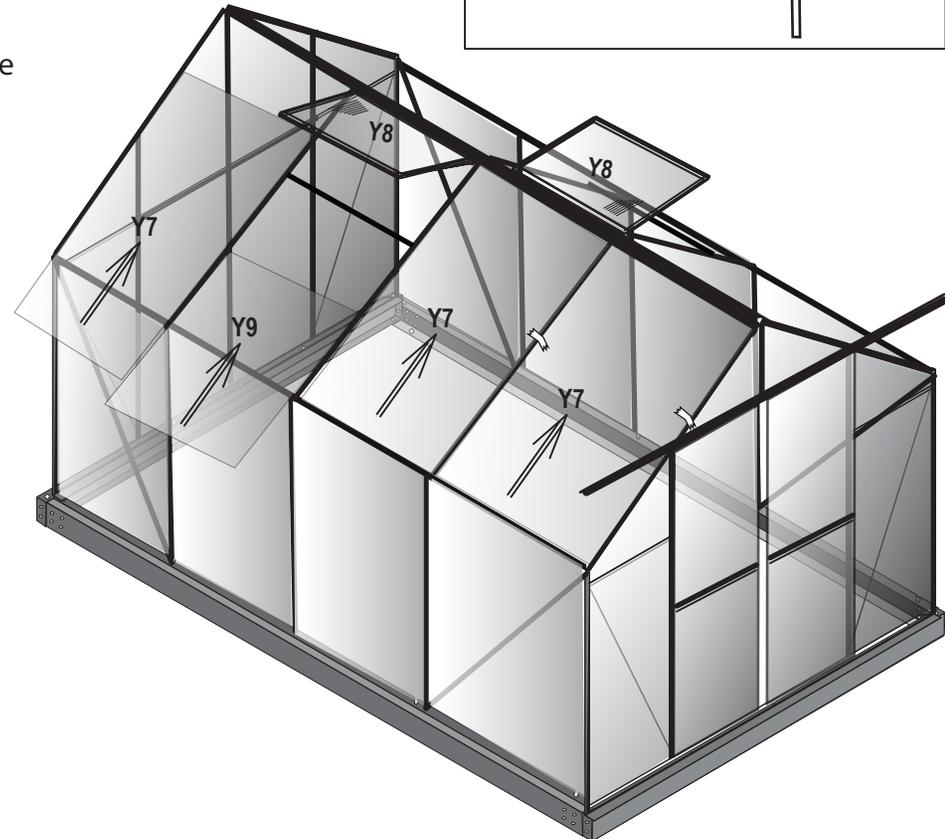
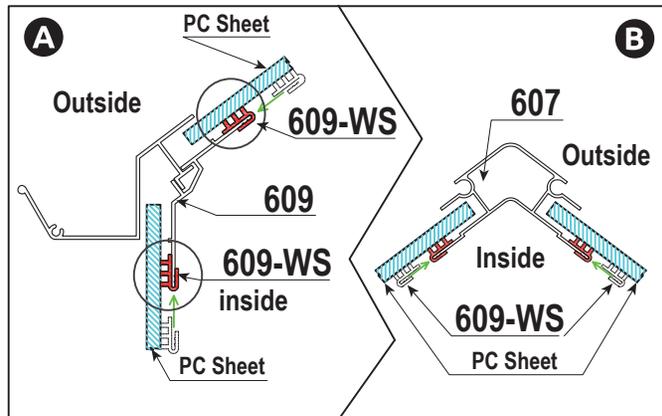
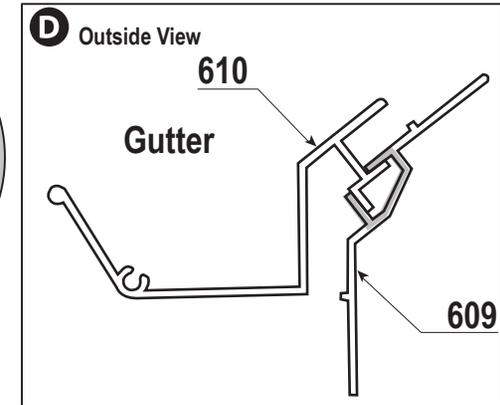
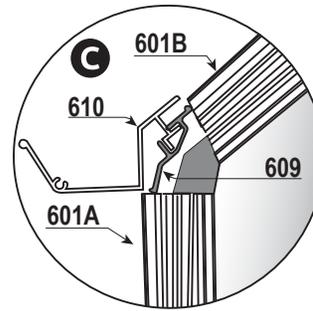


ROOF VENT ASSEMBLY & INSTALLATION

1.12 Attach **609-WS** to the inner roof line of the **607** and on both top and bottom of **609** as shown in **A** and **B**.

1.13 Insert polycarbonate sheets **Y7's** and **Y9's** into the lower roof of your greenhouse. Panels may slide out before gutters are in place. You may want to place a piece of tape on the panel to prevent sliding as shown in the diagram once the panels are in place.

1.14 Slide **610 Gutters** into **609's** groove as shown in the diagrams **C** and **D**. Repeat on both sides.



Note that there are two parts labeled **609** & **609-WS**, one is the gutter support, the other is a clip that fits under polycarbonate panels inside greenhouse.

ROOF VENT ASSEMBLY & INSTALLATION

1.15 Attach end caps to the ridge and gutters on both front and back as shown below. Squeeze a small amount of rubberized silicone or construction adhesive into the ends of ridge to secure pressure fit end caps. It is recommended to caulk any areas that may allow water penetration such as at the gutter end caps and at the base corners to seal against water as shown in **A**. Reattach the **L28** Brackets.

1.16 It is recommended to apply silicone caulk to the seams where panels meet the frame for water resistance, or see the moisture control kit on our website to maintain panel clarity.

