G. INSTALL THE ROOF GLAZING

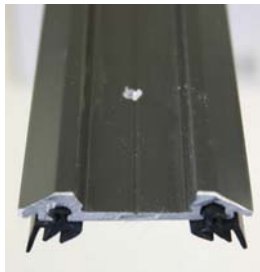**Tip 1:** Do not attempt to install glazing on a windy or rainy day.

Tip 2: Sequence:
  a. Verify that the roof is square (page 19).
  b. Install panels on one side of roof.
  c. Install ridge cap and flashing.
  d. Install other side of roof.

Tip 3: Install aluminum bar caps as you go to avoid climbing on roof.

1. **Prepare the Aluminum Glazing Bar Caps**
  a. The bars are precut to length.
  b. Install the weatherproof gasket in each edge of the glazing bar caps **(photo 1).** (Gasket is a black rubber material.)

2. Apply tape to top edge of Fascia **(fig G1),** and one side only of the Ridge Beam and remove the blue backing ribbon. Glaze this side first.

(photo 1)

3. Remove the blue backing ribbon from the glazing tape that you installed on the roof polycarbonate panels in Step 7 on page 23.

4. Apply mist to the tape with a hand sprayer just before installing a glazing panel. This will reduce the aggressive tack and allow repositioning of the panel if necessary.

5. (Start on the windward side of the roof.) Install a panel in the first bay on both sides of the roof to assure that the roof is square **(fig G3, photo 2).** Press panel into Ridge Beam groove and lower onto rafters. Complete one side of the roof.   *(continued on next page)*

(photo 2)

Windward side of roof.

Glazing Tape

RAFTER

Fascia

Fig G1

Groove

Glazing Tape
Glaze this side first.

NO Tape
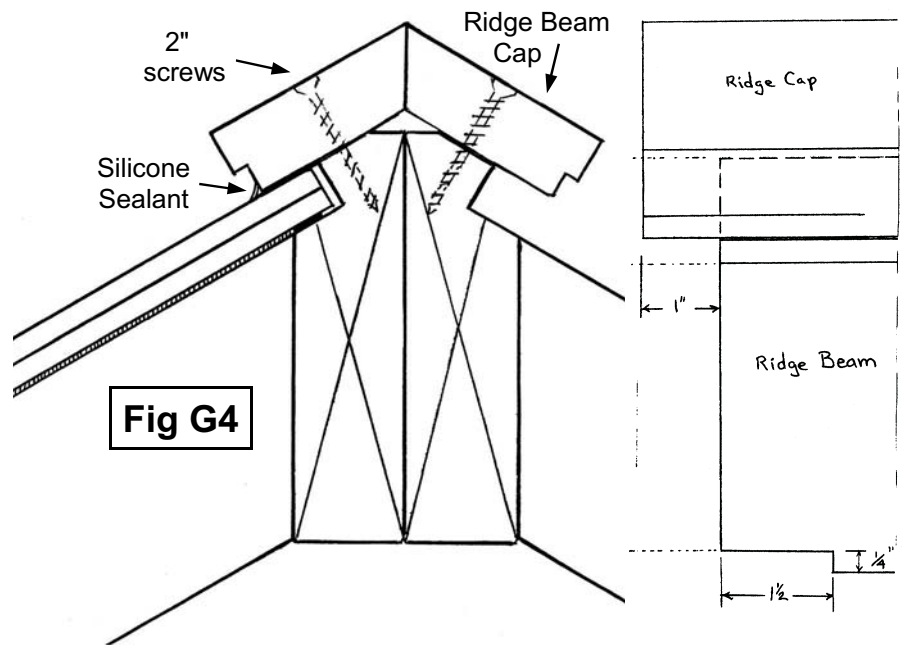
RAFTER

Ridge Beam

Fig G2

ROOF PANEL

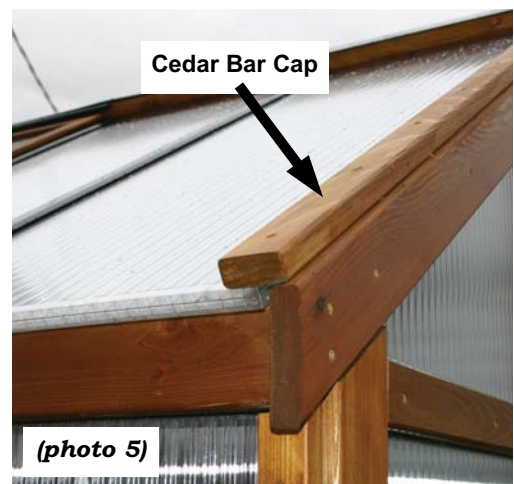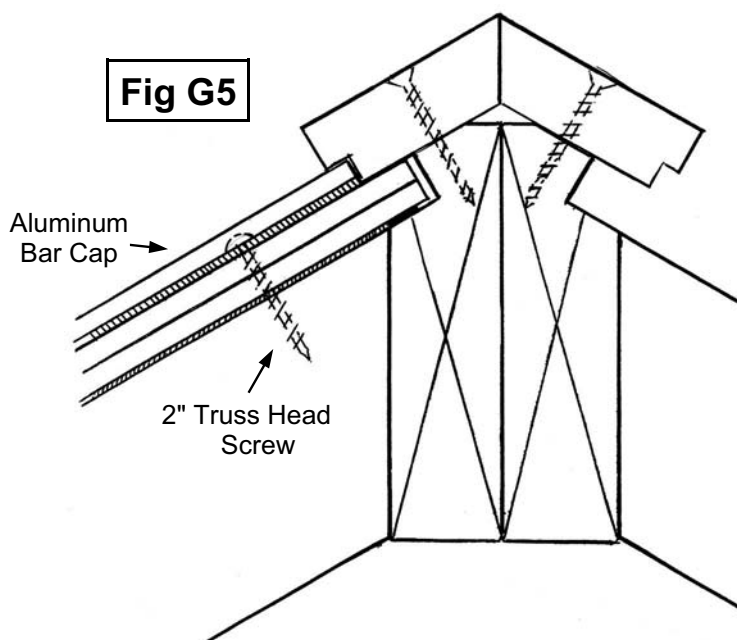Glazing Tape

Fig G3

Roof Glazing continued ...

6. Install the ridge beam cap after you install the roof panels on the first side, and **before** you glaze the other side. Fasten the ridge beam cap with 2" screws staggered side to side every 12" (every 24" on each side) and both sides at 4" from each end **(fig G4, photo 3).**

7. Apply a bead of silicone sealant where the panel meets the ridge beam cap **(fig G4).**

8. Install the aluminum glazing bar caps with 2" Truss-Head screws. Tighten to firm gasket against the glazing panels, but do not crush. Only firm contact is needed. Over-tightening the screws will create dips (warping) of the cap. **(fig G5, photo 4). Do not tighten the bottom screw** until after end caps have been installed.

NOTE: Cedar Bar Caps are used on the gables **(photo 5).** Apply glazing tape to bottom edges of roof cedar bar caps (page 29, **fig G8**).
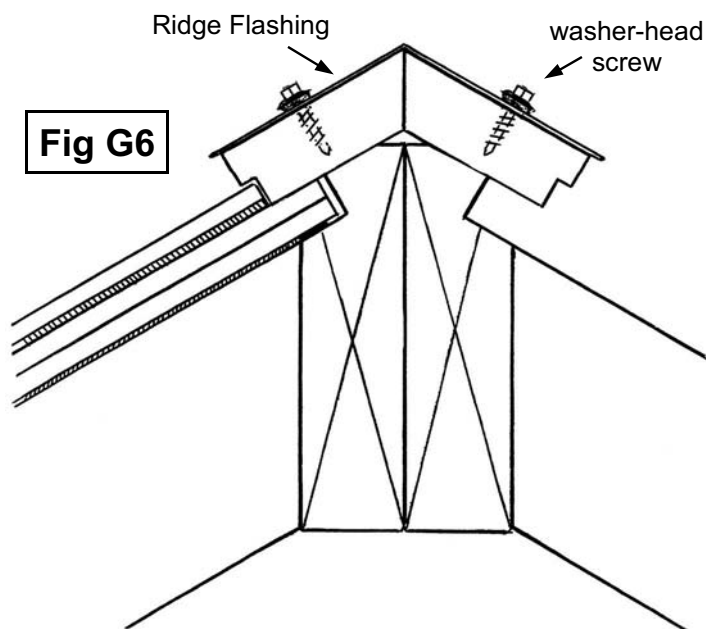
(continued on next page)

2" screws

Silicone Sealant

Ridge Beam Cap

Ridge Cap

Fig G4

1"

Ridge Beam

¼"

1½

(photo 3)

(photo 4)

Fig G5

Aluminum Bar Cap

2" Truss Head Screw

Cedar Bar Cap
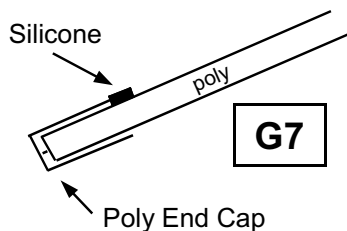
(photo 5)

27

Roof Glazing continued ...

10. Install Ridge Flashing (fig G6).

a. Start at the back. Overlap the flashing with the front piece overlapping the back piece. Use the washer-head screws provided – 12" apart, plus 2 at each end and at the overlap(s).

b. Apply silicone where the Ridge Cap Flashing meets the Finial.
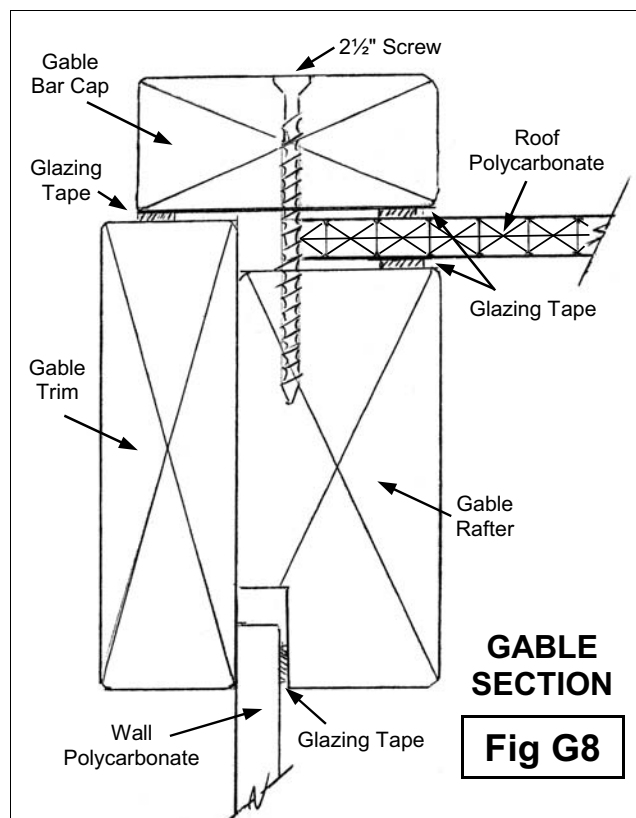
NOTE: Cedar Bar Caps are used on the gables **(fig. G8 and photo 5 on page 27).** Apply glazing tape to bottom edges of roof cedar bar caps **(fig. G8).**

Fig G6

Ridge Flashing

washer-head screw

11. Install the poly-carbonate end cap on the lower end of roof glazing panels. Align the ends of the end caps to form a straight eave. Apply a small bead of silicone to the top edge **(fig G7, photo 6 and photo 7).**

Silicone

poly

G7

Poly End Cap

(continued on next page)

Poly End Cap

(photo 6)

(photo 7)

2½" Screw

Gable Bar Cap

Roof Polycarbonate

Glazing Tape

Glazing Tape

Gable Trim

Gable Rafter

GABLE SECTION

Wall Polycarbonate

Glazing Tape

Fig G8

Roof Glazing continued ...

12. After Ridge Flashing is installed, complete the roof glazing. Install the glazing tape of top of the Fascia, but NOT on the Ridge Beam.

13. As you install each panel, apply the silicone at the top of the panel **(fig G9).**

14. Install the bar caps as you install the panels **(fig G10).**

15. After all of the roof panels, and the polycarbonate end caps **(photo 6 on page 29),** have been installed, tighten the last screw in each bar cap. Slide the screw cover trim into the glazing bars **(photo 8).** Crimp bottom end to hold trim in place.
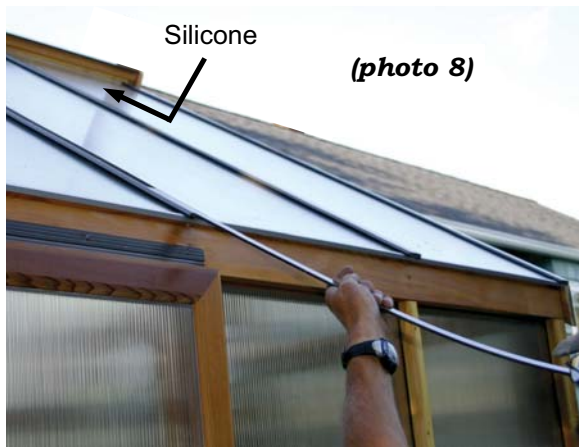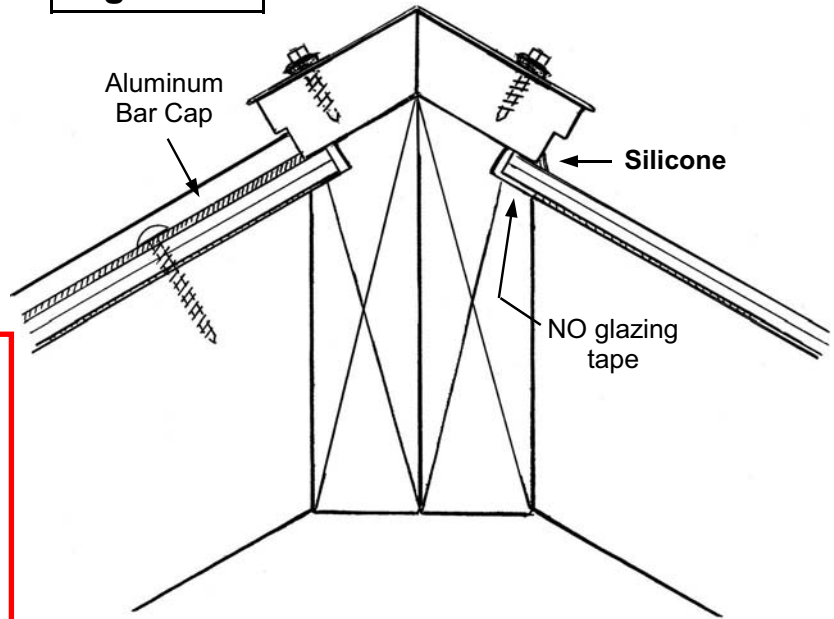
Silicone

(photo 8)

Figure G9

Aluminum Bar Cap

Silicone

NO glazing tape

Figure G10

Aluminum Bar Cap