Greenhouse Style
CORPORATION

# Installation & Assembly Manual

## Freestanding & Straight-Eave Models

**Toll Free:** 1-800-665-2124 | **Fax:** 1-888-273-1251

www.greenhousestyle.com

*Watch for the "Pro Tips" throughout the Manual for Tips & Tricks that our Professional Installers have picked up throughout the years.*

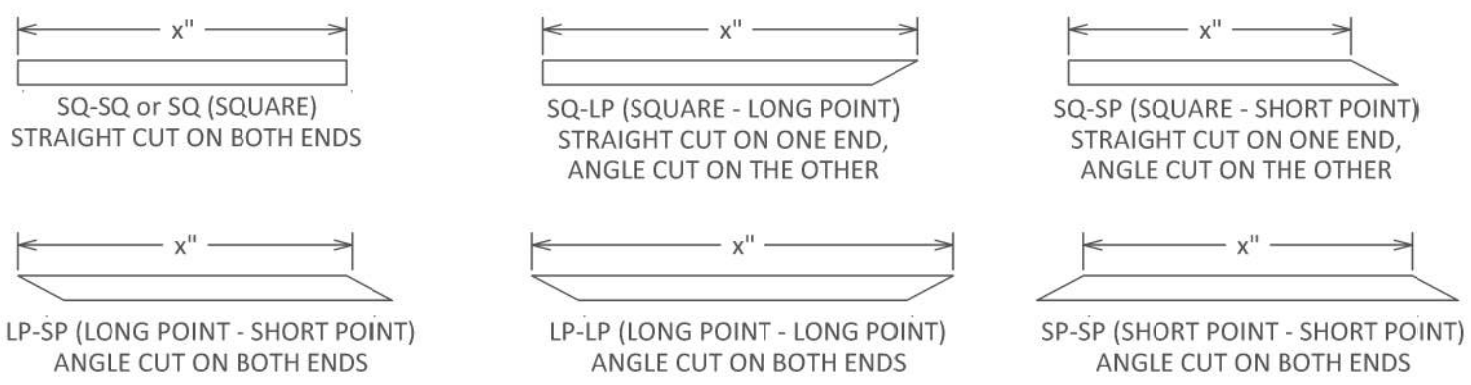
*DISCLAIMER*

This Instruction Manual is meant to be generic and cover as many facets of the Greenhouse Installation as possible.
Oddities or Customizations may not be covered in this Manual but will be detailed in the Job-Specific Drawings
that are shipped with the Greenhouse.

## *This Instruction Manual may appear daunting but please don't panic.*

While the frame assembly process of each greenhouse is virtually identical regardless of the glazing type,
each glazing process is slightly different and they are all covered in this Manual.
Refer only to the sections that apply to the greenhouse you are assembling
and disregard the ones that don't.

COMMON ABBREVIATIONS YOU MAY SEE IN YOUR JOB-SPECIFIC DRAWINGS




TECHNICAL SUPPORT

BC Greenhouse Builders is located in Surrey British Columbia, Canada.
If your Dealer or Salesperson is unable to assist you, feel free to contact us directly.
Monday to Friday, 9am to 5pm Pacific Time.
Local (604)-882-8408 or Toll Free 1-888-391-4433
email: techsupport@bcgreenhouses.com

*If calling after business hours, leave a message with our answering service*
*and somebody will get back to you as soon as we are able.*

## REQUIRED TOOLS

(not included with greenhouse kit)

EVERY GREENHOUSE (HOBBY OR COMMERCIAL)

- TAPE MEASURE
- LEVEL (min. 4')
- SET SQUARE
- #2 ROBERTSON (SQUARE) SCREW DRIVER
- #2 ROBERTSON (SQUARE) DRIVER BIT
- UTILITY KNIFE
- CORDLESS DRILL
- CAULKING GUN
- LATEX GLOVES or CAULK-SMOOTHING TOOL
- STEP LADDER (2)
- $\frac{7}{16}$" NUT DRIVER
- $\frac{7}{16}$" OPEN-ENDED WRENCH
- $\frac{1}{4}$" CONCRETE DRILL BIT (*if applicable*)
- LIGHT SOAPY WATER (*in a spray-bottle*)
- LARGE FLAT BLADED SCREW DRIVER *(Storefront Door)*
- 3MM ALLEN KEY (*Storefront Door*)

GREENHOUSES OVER: 14' IN LENGTH or WIDTH (COMMERCIAL)

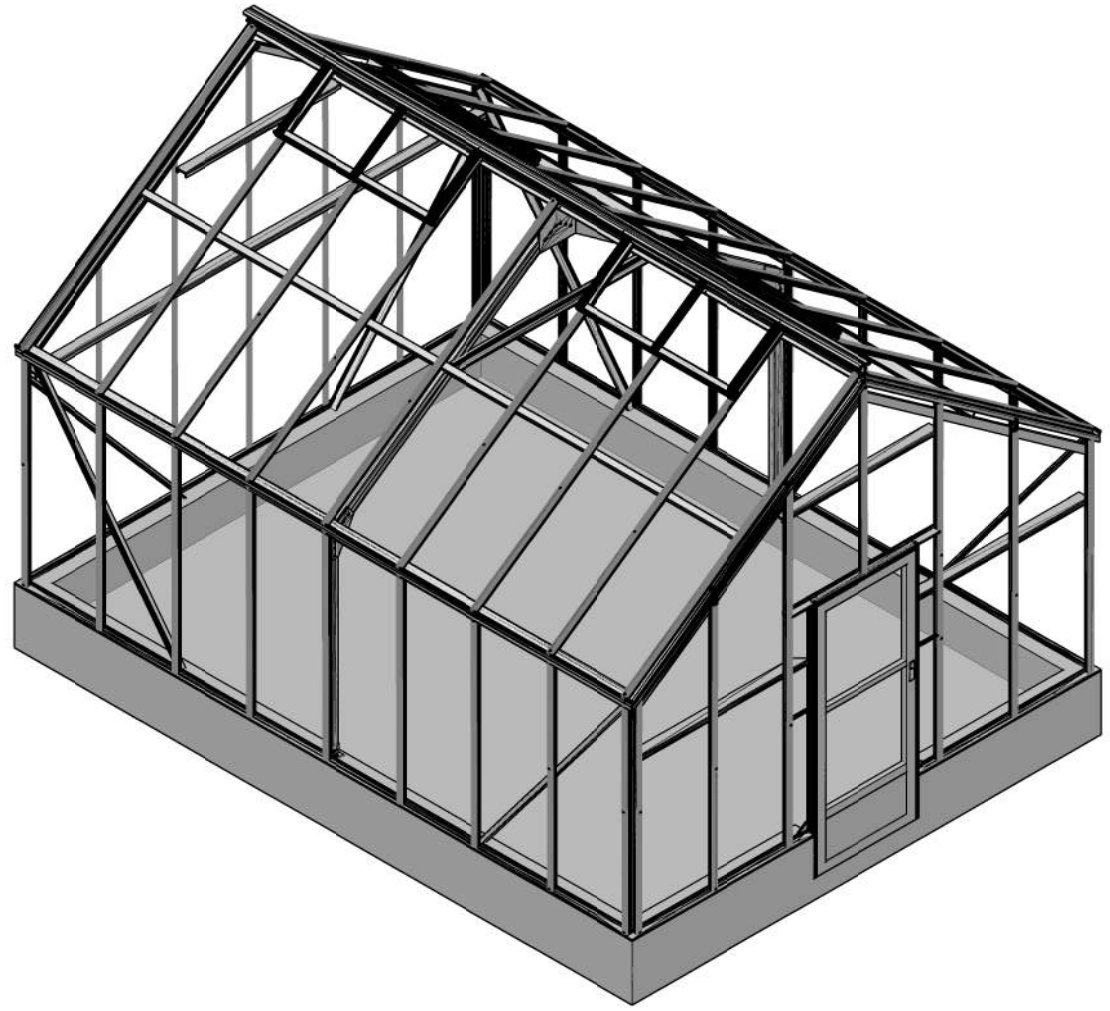
- $\frac{3}{8}$" WOOD DRILL BIT (*wood foundation)*
- $\frac{1}{2}$" WOOD DRILL BIT *(wood foundation)*
- $\frac{7}{16}$" CONCRETE DRILL BIT *(concrete foundation)*
- $\frac{9}{16}$" CONCRETE DRILL BIT (*concrete foundation*)
- $\frac{9}{16}$" SOCKET
- $\frac{9}{16}$" OPEN ENDED WRENCH
- $\frac{3}{4}$" SOCKET
- HAMMER

OPTIONAL TOOLS

- SUCTION CUPS (*6mm Single Glass & 16mm Double Glass Models*)
- SCAFFOLDING

NOT RECOMMENDED TOOLS

- IMPACT WRENCH / DRIVER



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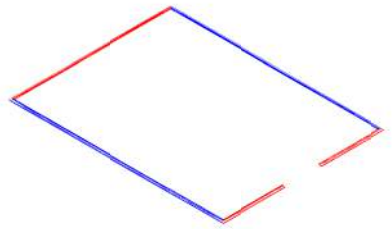
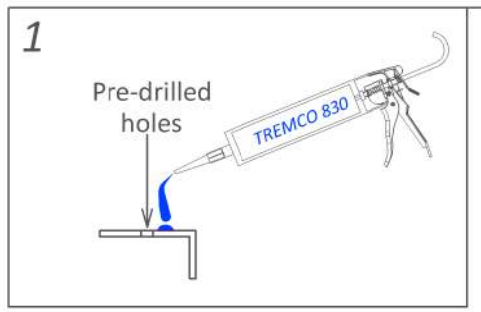


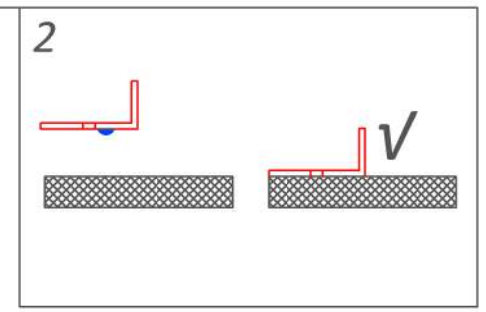
*WARNING*
-FOUNDATION MUST BE LEVEL -
An off-level foundation will make glazing the greenhouse difficult (or impossible) later on on in the installation process.
There is a small level of tolerance built into the greenhouse (approximately ¼")

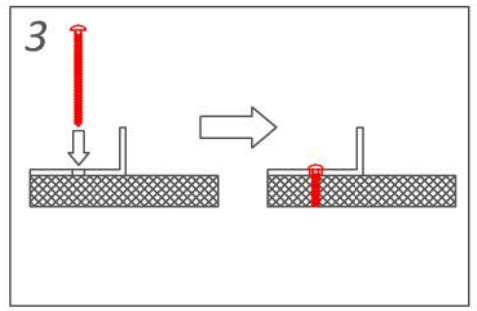
*If your greenhouse has Side Vents, refer to Page ACC13A (Side Vent Installation) at the rear of the manual before beginning the frame assembly.*

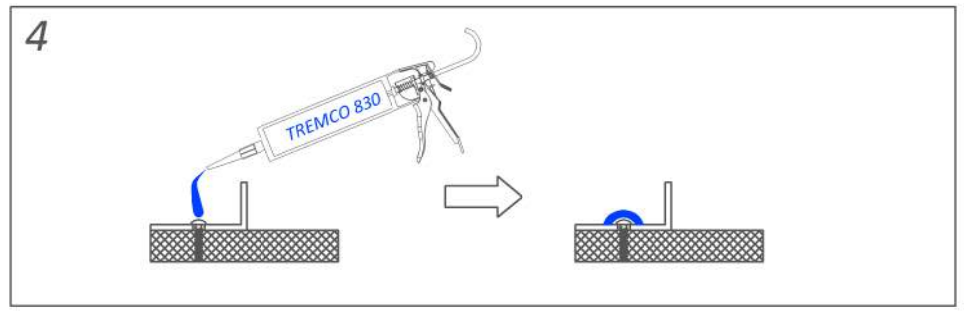
## STAGE 1: BASES

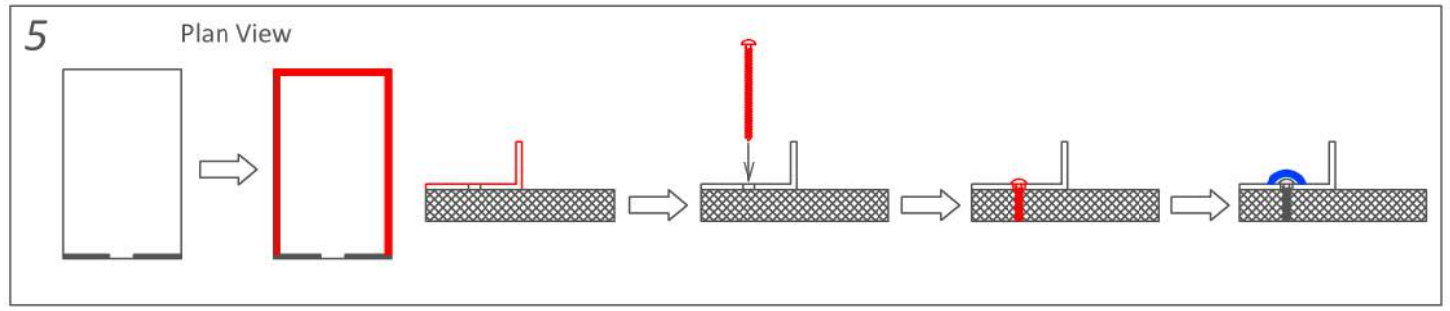
*STEPS:*
1. APPLY A BEAD OF CAULKING TO UNDERSIDE OF FRONT BASE FOR ENTIRE LENGTH OF BASE.
2. PLACE FRONT BASE ON FOUNDATION. *ENSURE DOOR OPENING IS CORRECTⁿ.*
3. FASTEN FRONT BASE TO FOUNDATION WITH 1¾" #10 S.S. SCREW*°
4. SEAL HEAD OF SCREW WITH CAULKING.
5. REPEAT STEPS 1 to 4 FOR SIDE BASES & BACK BASES
6. APPLY CAULKING TO SEAM WHERE BASES BUTT TOGETHER.
7. TOOL CAULKING WITH A SOAPY *GLOVED* FINGER OR A CAULK-SMOOTHING TOOL.

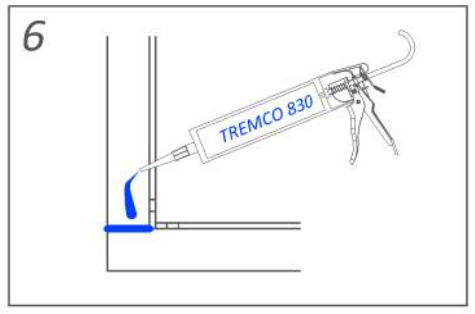


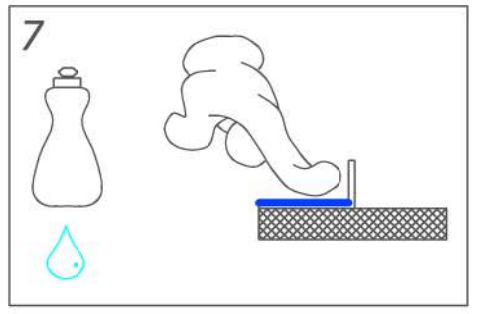



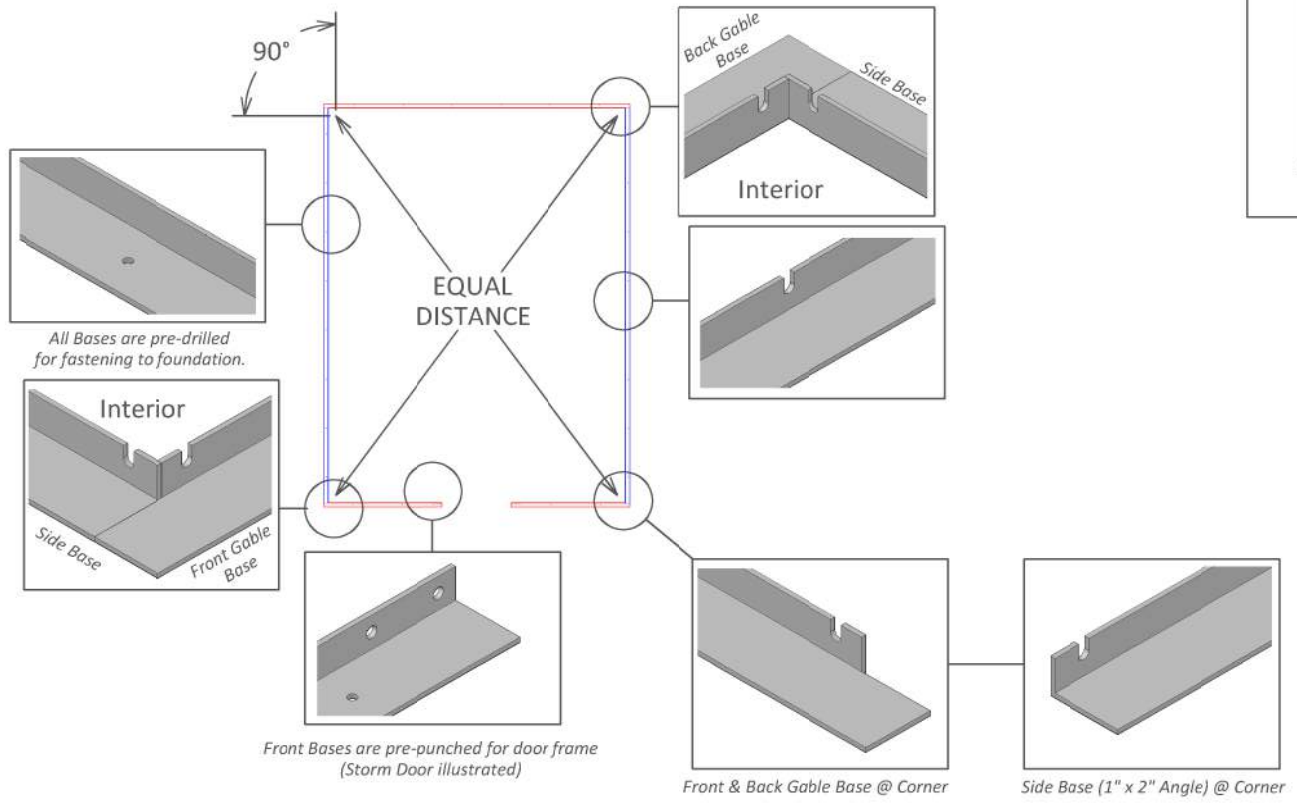




*All Bases are pre-drilled for fastening to foundation.*

*Front Bases are pre-punched for door frame (Storm Door illustrated)*

*Front & Back Gable Base @ Corner*

*Side Base (1" x 2" Angle) @ Corner*

### PRO TIPS

*The Rough Opening in your foundation is different than the Door Opening between your bases. (Between ¼" & ½" depending on the door size)*

*Base Screw with Concrete Plug*

ⁿ Refer to the job-specific drawings provided for your precise door opening.
* For concrete foundations, drill through the pre-punched holes in the base using a ¼" concrete bit.
° Lightly twist concrete plugs onto the end of the 1¾" screw before inserting into hole and tightening screw.

### Parts List:

*Front Gable Base (1"x 2" Angle) ALL Glazing Types*

*Back Gable Base (1"x 2" Angle) ALL Glazing Types*

*Side Base (1"x 2" Angle) ALL Glazing Types*

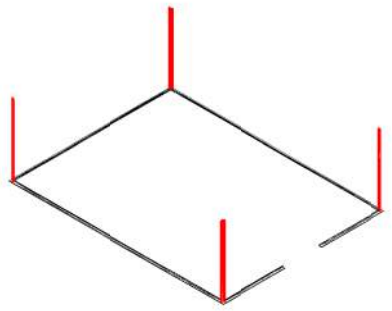
*#10 x 1¾" S.S. Screw*



*Concrete Plug (if applicable)*


*Caulking*

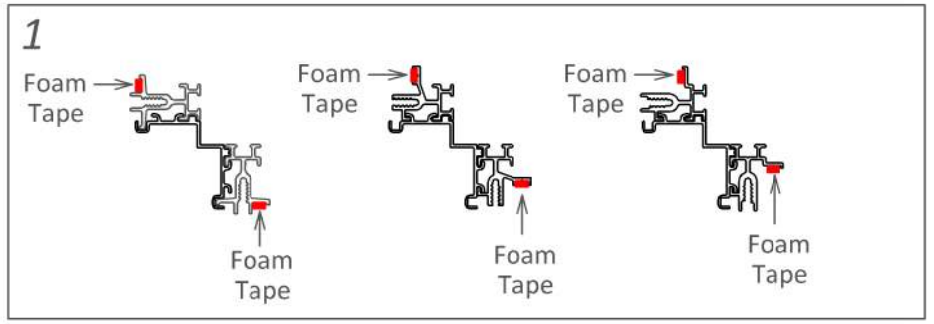
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

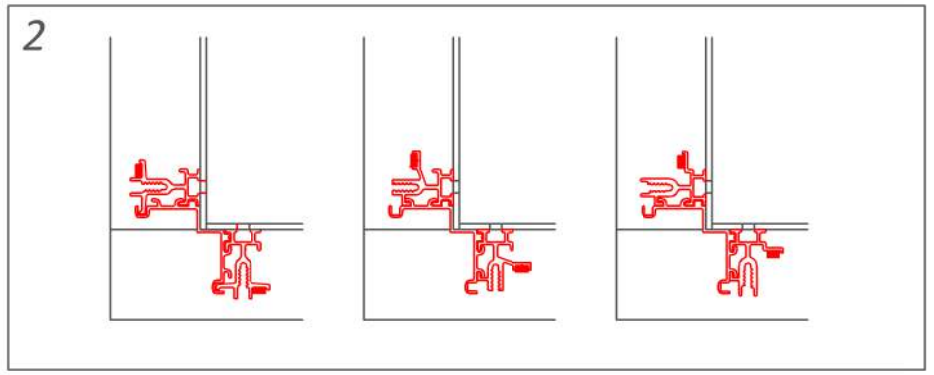


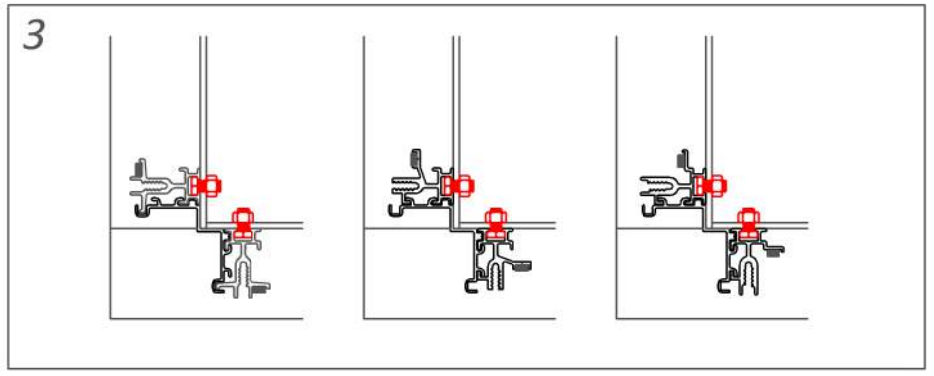
## STAGE 2: CORNER POSTS

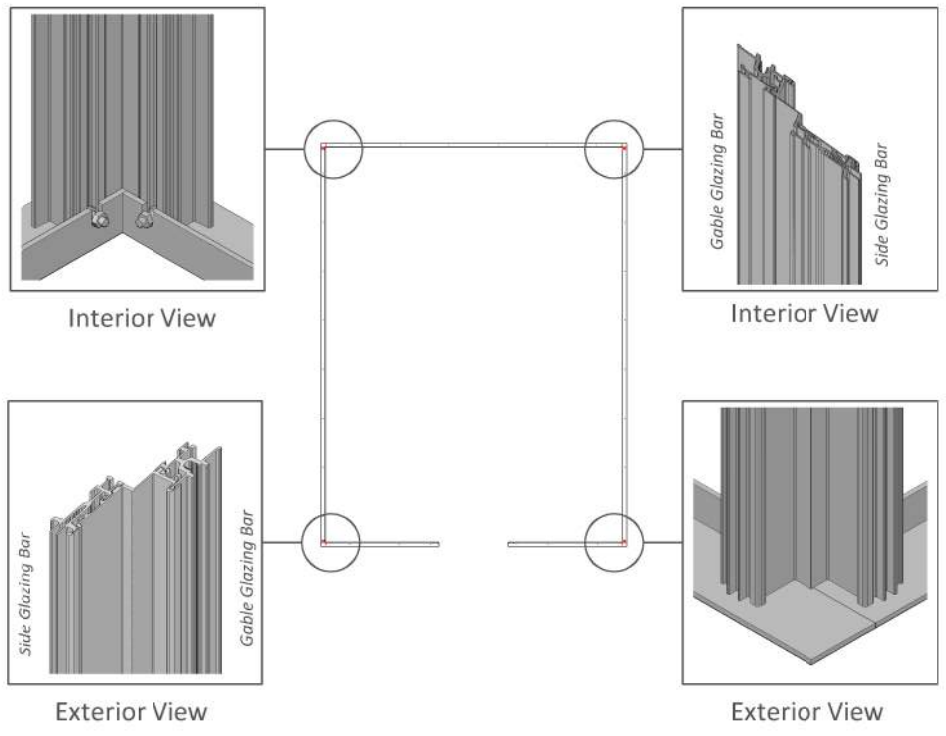
STEPS:
1. APPLY FOAM TAPE TO PRE-ATTACHED GLAZING BARS.
2. PLACE CORNER POST ON TOP OF BASE AT ONE CORNER.
3. CONNECT CORNER POST TO BASES.

REPEAT FOR ALL CORNERS.



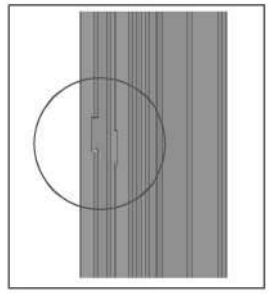

### PRO TIPS

*Apply Foam Tape to all Glazing Bars in advance to save yourself time during installation. (Just make sure you don't mix up your pieces)*

*Typical Corner Post*

*Angle Cut Left to Right on top.*

*Square Cut on bottom.*



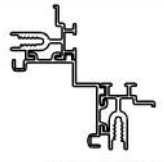
ALL GLAZING BARS ARE NOTCHED FOR INSERTING BOLT HEADS

*Parts List:*

*Corner Post (3mm Single Glass)*

*Corner Post (6mm Twinwall Poly.)*

*Corner Post (6mm Single Glass)*



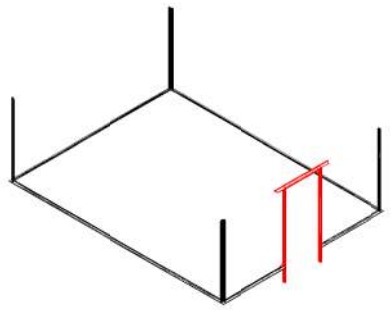
*Corner Post (16mm Fivewall Poly.)*

*Corner Post (16mm Double Glass)*

*Foam Tape*

*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolt & Nut*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



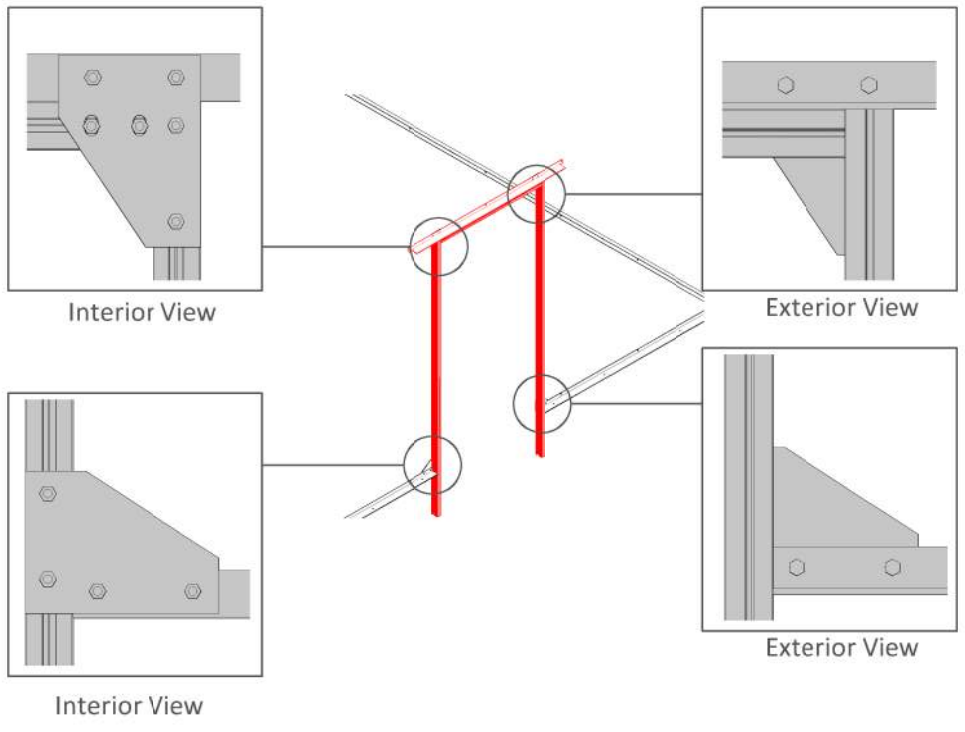
# STAGE 3A: DOOR FRAME

*STEPS:*

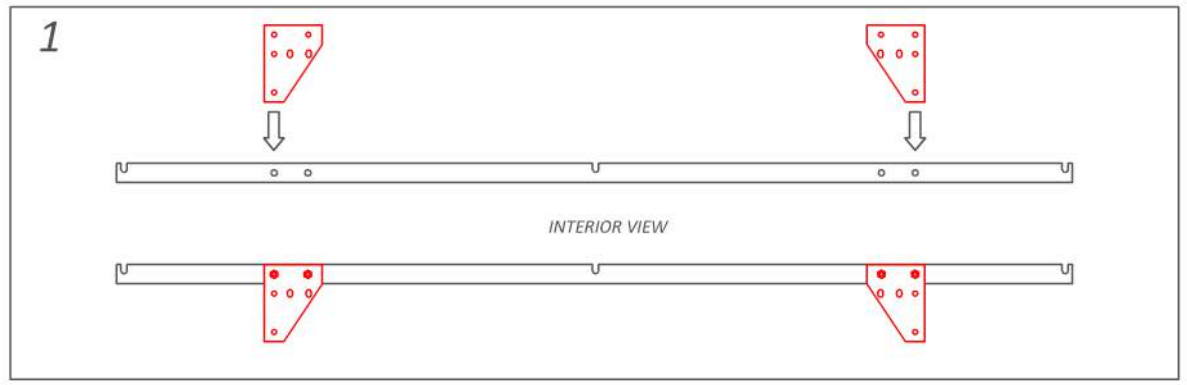
*If installing a Storefront Door, refer to Page #ACC 12A in the Accessory section of this manual.*

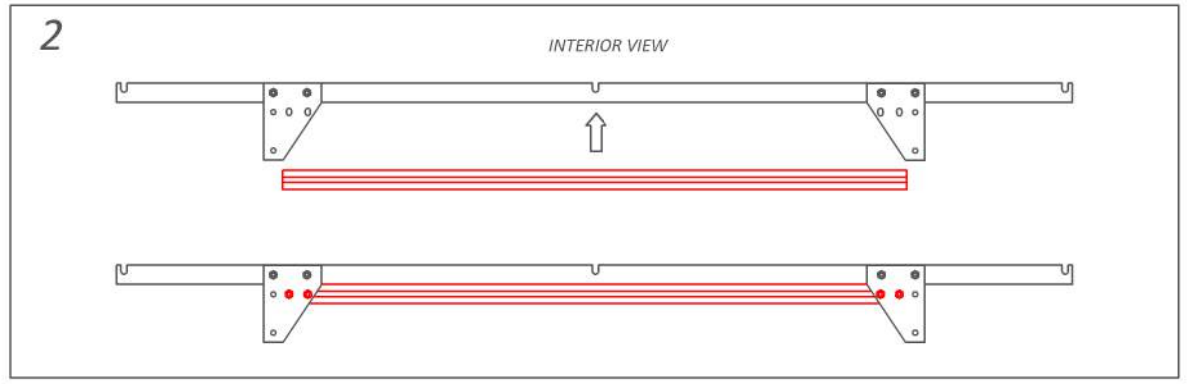
1. CONNECT TOP DOOR PLATES TO 1" x 2" ANGLE HEADER.
2. CONNECT SHORT DOOR FRAME BAR TO HEADER & TOP DOOR PLATE.
3. CONNECT BOTTOM DOOR PLATES TO BASE.

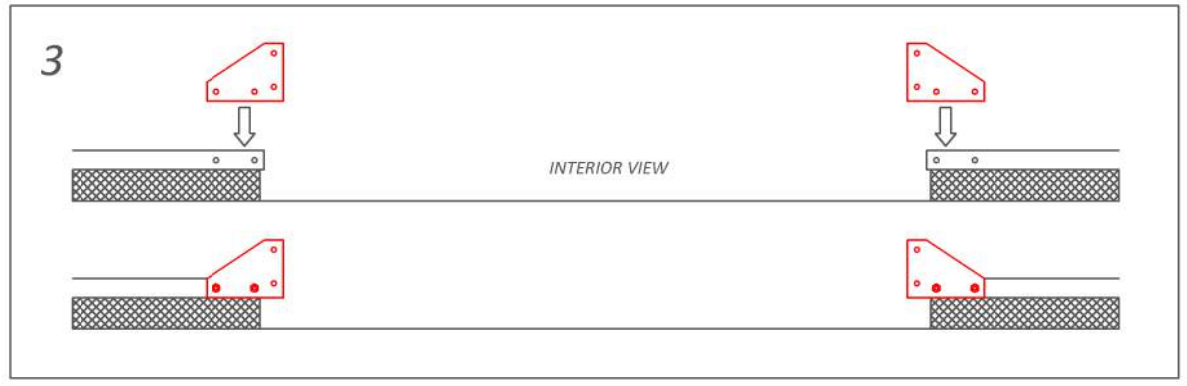
*TURN TO NEXT PAGE.*

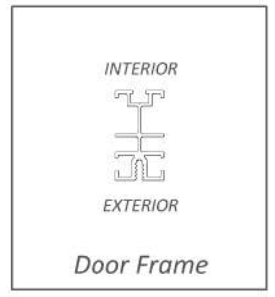


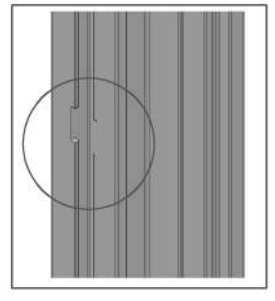

**DOOR FRAME PACKAGES ON 16MM DOUBLE GLASS & 5WALL POLYCARBONATE GREENHOUSES WILL CONTAIN (2) LONG H-CHANNELS. RETAIN THESE FOR GLAZING LATER ON IN THE INSTALLATION PROCESS.*



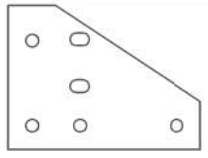



DOOR FRAME BARS ARE NOTCHED FOR INSERTING BOLT HEADS

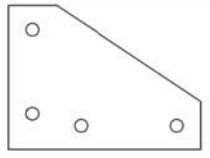
## Parts List:

*Door Frame x 2 (Long)*

*Door Frame x 1 (Short)*

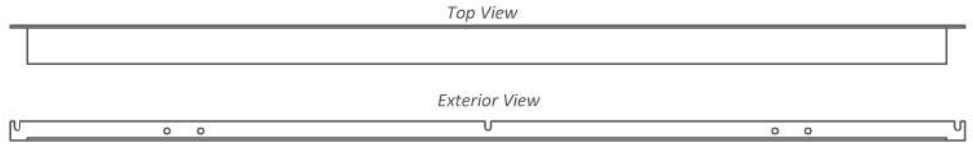


*Top Door Plate x 2*



*Bottom Door Plate x 2*

*End View*

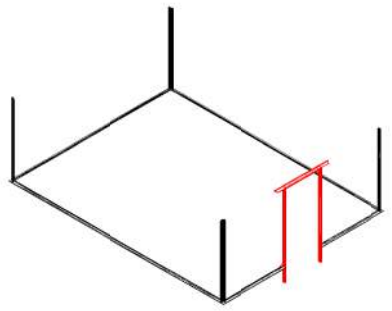



*1" X 2" Angle Door Header x 1*

*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts*

*$\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolts & Nuts°*

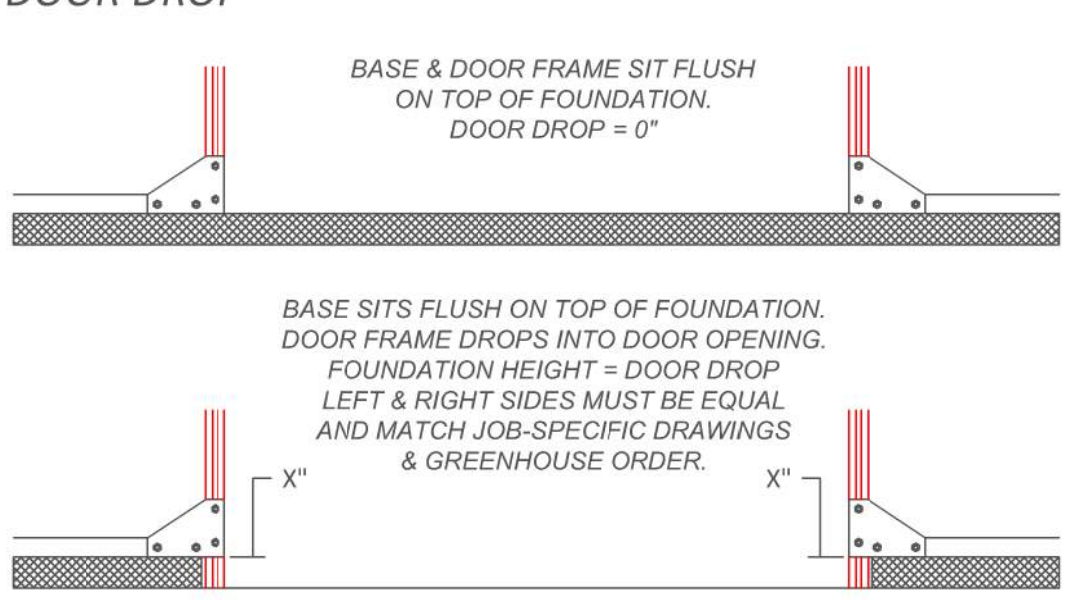
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

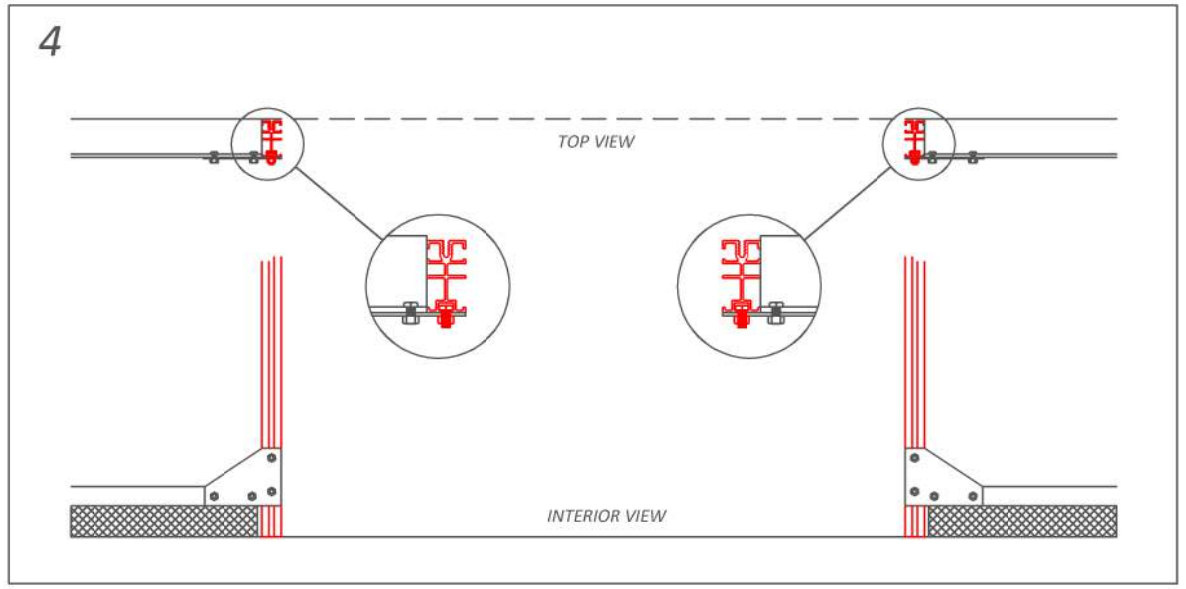


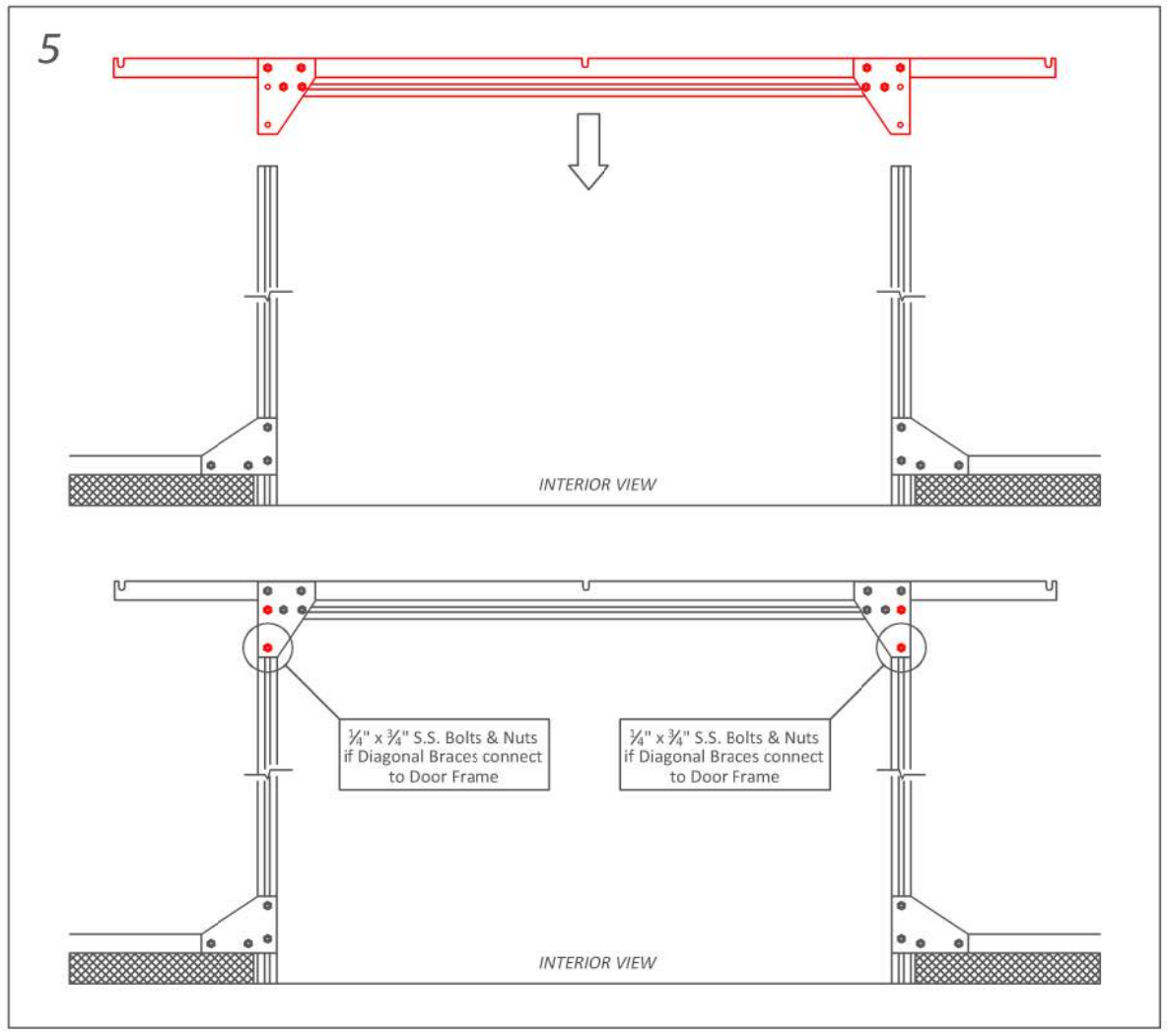
## STAGE 3B: DOOR FRAME

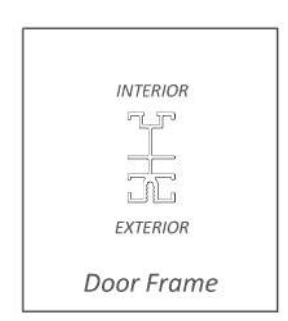
STEPS:
4. CONNECT LONG DOOR FRAME BARS TO BOTTOM DOOR PLATES & SET TO APPROPRIATE DOOR DROP.*
5. CONNECT HEADER ASSEMBLY TO LONG DOOR FRAME BARS.

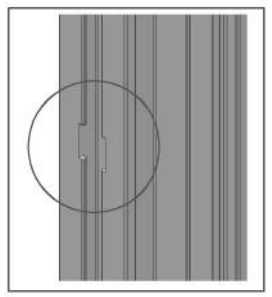
### *DOOR DROP



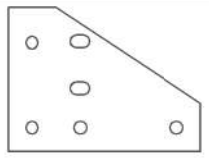



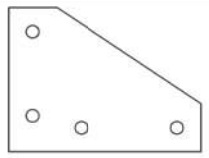
DOOR FRAME BARS ARE NOTCHED FOR INSERTING BOLT HEADS

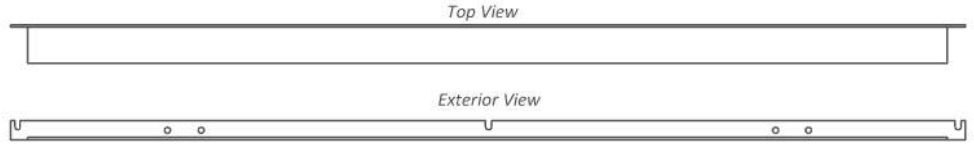
### Parts List:


Door Frame x 2 (Long)


Door Frame x 1 (Short)


Top Door Plate x 2


Bottom Door Plate x 2

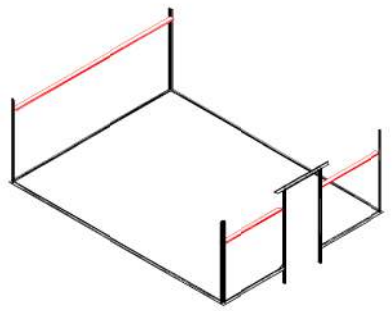



1" X 2" Angle Door Header x 1


¼" x ½" S.S. Bolts & Nuts


¼" x ¾" S.S. Bolts & Nuts°

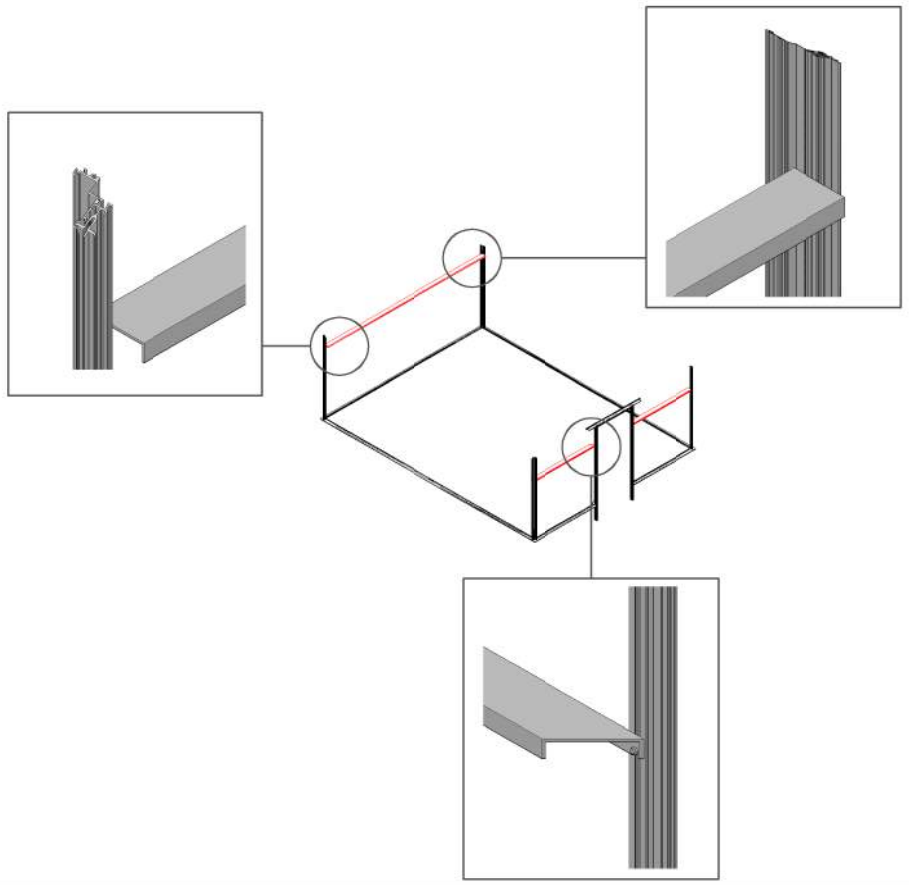
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



*If your Greenhouse has Commercial Bracing (Vertical Posts and/or Interlocked Horizontal Braces) proceed to the appropriate "Commercial Bracing" Instruction in the Accessories Section of the Manual*

## STAGE 4: GABLE HORIZONTAL BRACES

STEPS:
1. CONNECT HORIZONTAL BRACE TO CORNER POST ON DOOR END GABLE.°
2. CONNECT HORIZONTAL BRACE TO DOOR FRAME.
3. REPEAT STEPS 1 & 2 ON OPPOSITE SIDE OF DOOR.
4. CONNECT HORIZONTAL BRACE TO CORNER POSTS ON OPPOSITE GABLE.°



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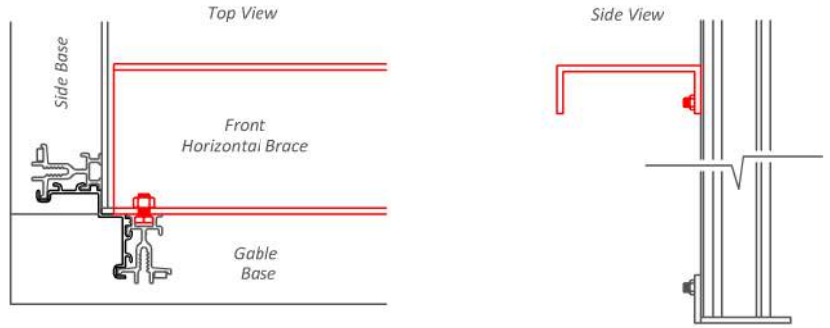


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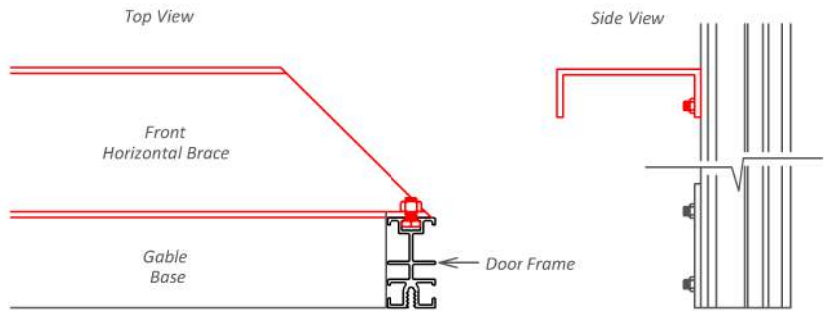


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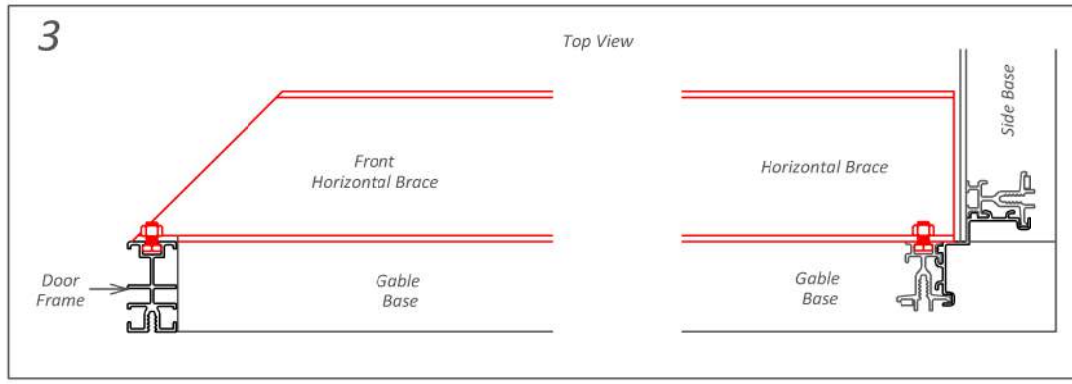
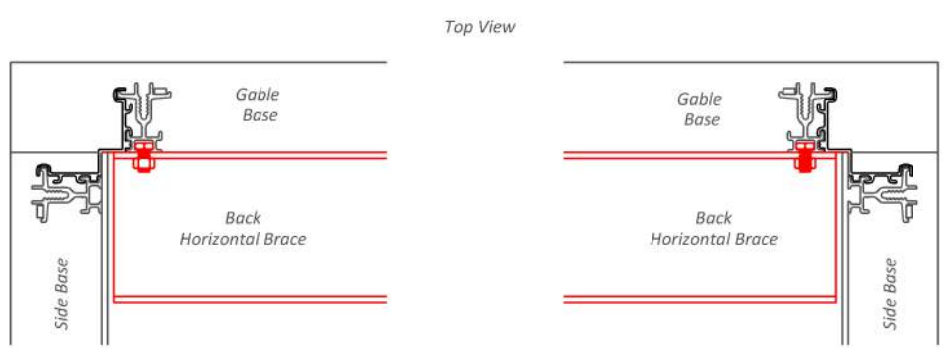



4




° Refer to the job-specific drawings provided for the recommended brace height .

### PRO TIPS

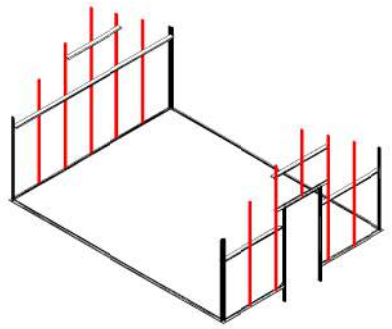
*Correct heights for your Horizontal Braces will be indicated on your job specific drawings.*

### Parts List:

*Typical Horizontal Brace options:*

1" x 2" Angle | 1" x 2" Channel | 1" x 3" Channel (illustrated) | $1\frac{1}{2}$" x 3" Channel | $\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts | $\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolts & Nuts (only on $1\frac{1}{2}$" x 3" Channel)

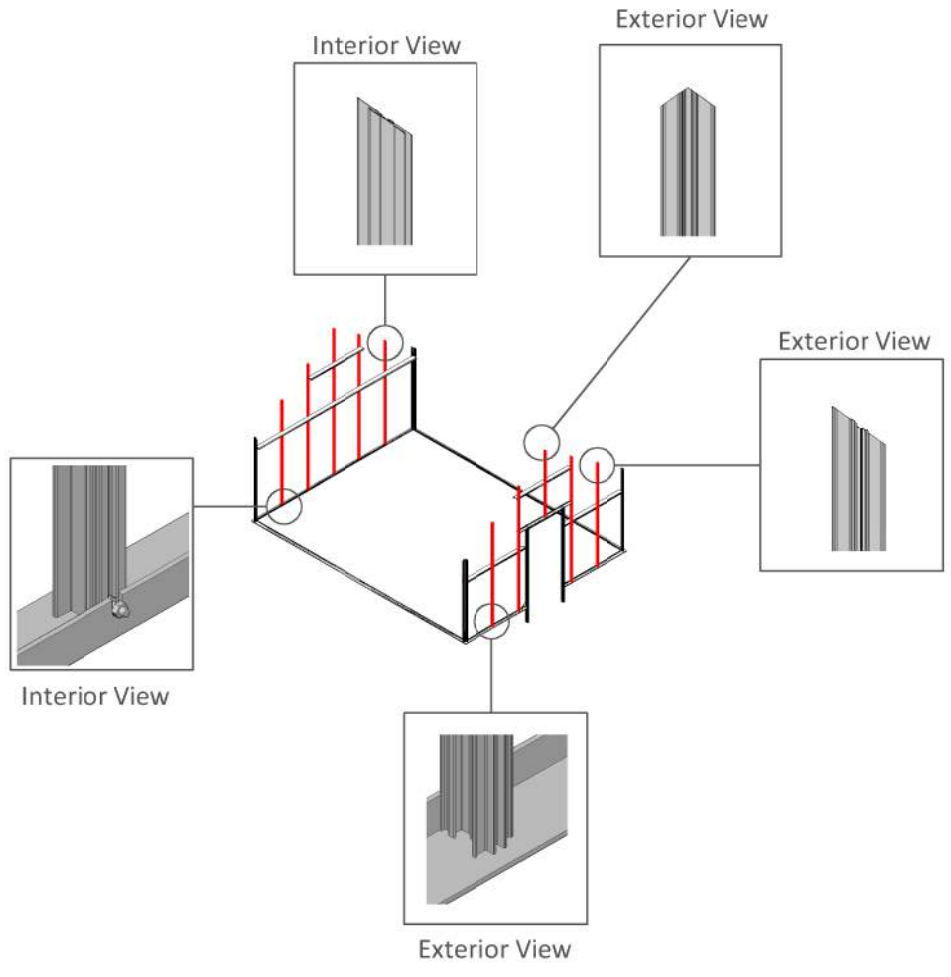
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

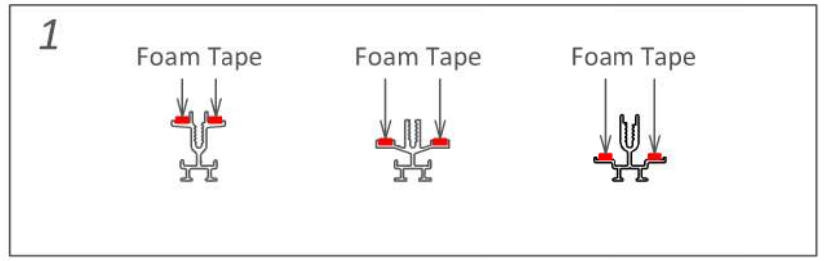


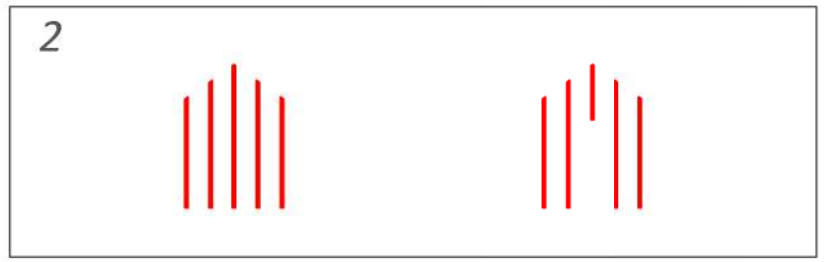
## STAGE 5: GABLE GLAZING BARS

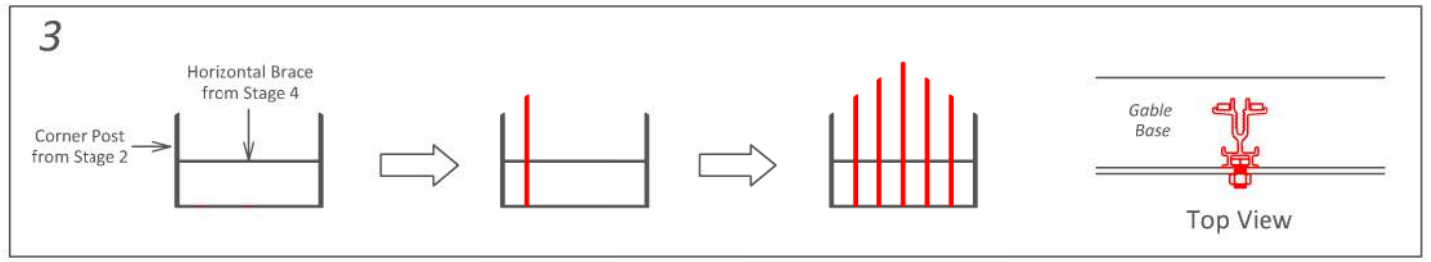
*STEPS:*

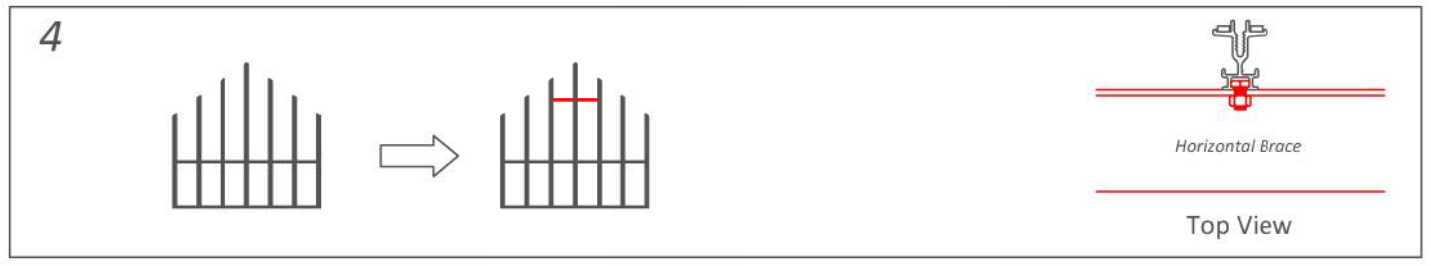
1. APPLY FOAM TAPE TO GLAZING BARS.
2. ARRANGE GLAZING BARS IN ORDER.
3. ATTACH THE FIRST GLAZING BAR TO THE BACK BASE / HORIZONTAL BRACE & REPEAT.
4. ATTACH ANY REMAINING HORIZONTAL BRACES (IF APPLICABLE).
5. REPEAT STEPS 3 & 4 FOR OPPOSITE END.

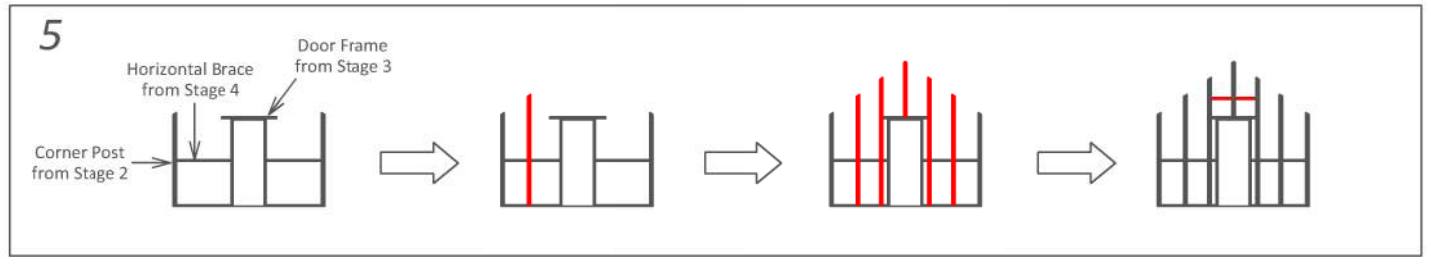


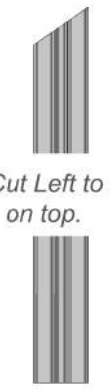




### PRO TIPS

*Apply Foam Tape to all Glazing Bars in advance to save yourself time during installation. (Just make sure you don't mix up your pieces)*

*Correct heights for your Horizontal Braces will be indicated on your job specific drawings.*

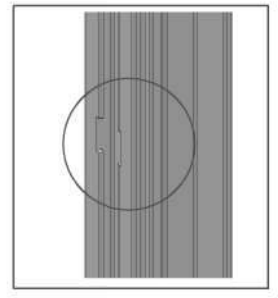
*Typical Gable Glazing Bar*



*Angle Cut Left to Right on top.*



*Straight Cut on bottom.*

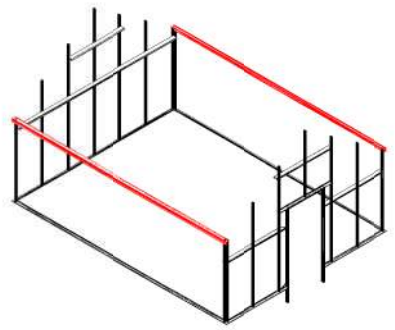


ALL GLAZING BARS ARE NOTCHED FOR INSERTING BOLT HEADS

*Parts List:*

*Glazing Bar (3mm Single Glass)*
*Glazing Bar (6mm Twinwall Poly.)*
*Glazing Bar (6mm Single Glass)*
*Glazing Bar (16mm Fivewall Poly.)*
*Glazing Bar (16mm Double Glass)*
*Foam Tape*
$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts

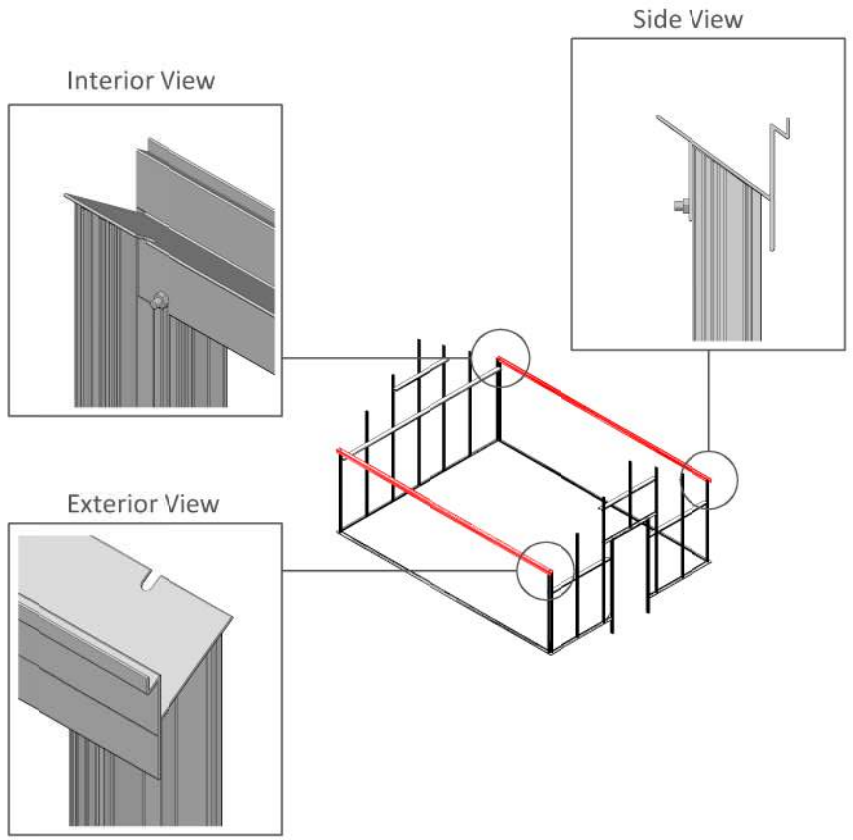
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

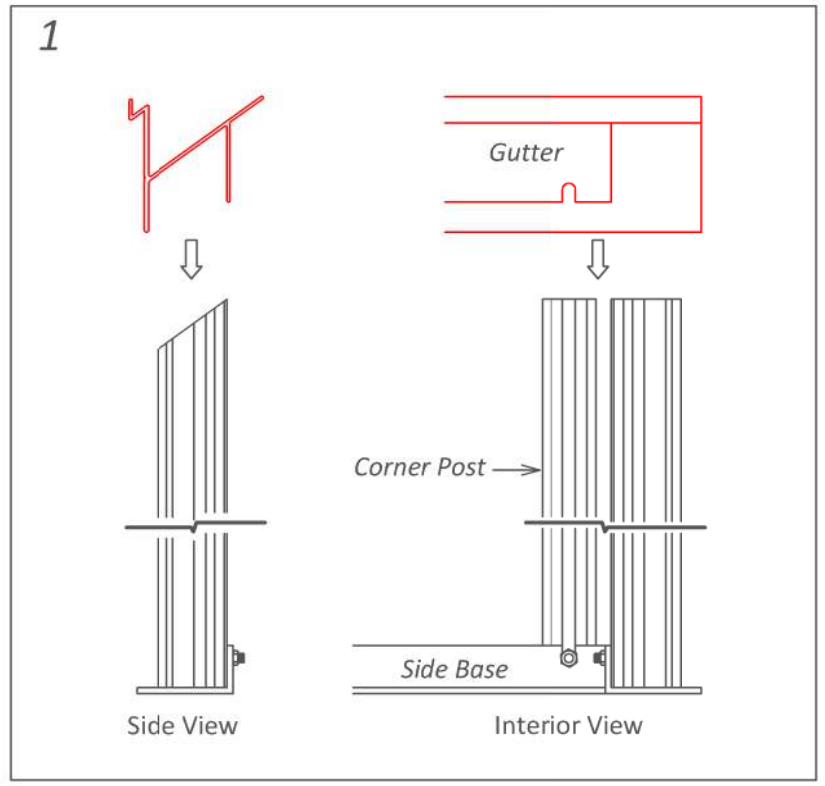


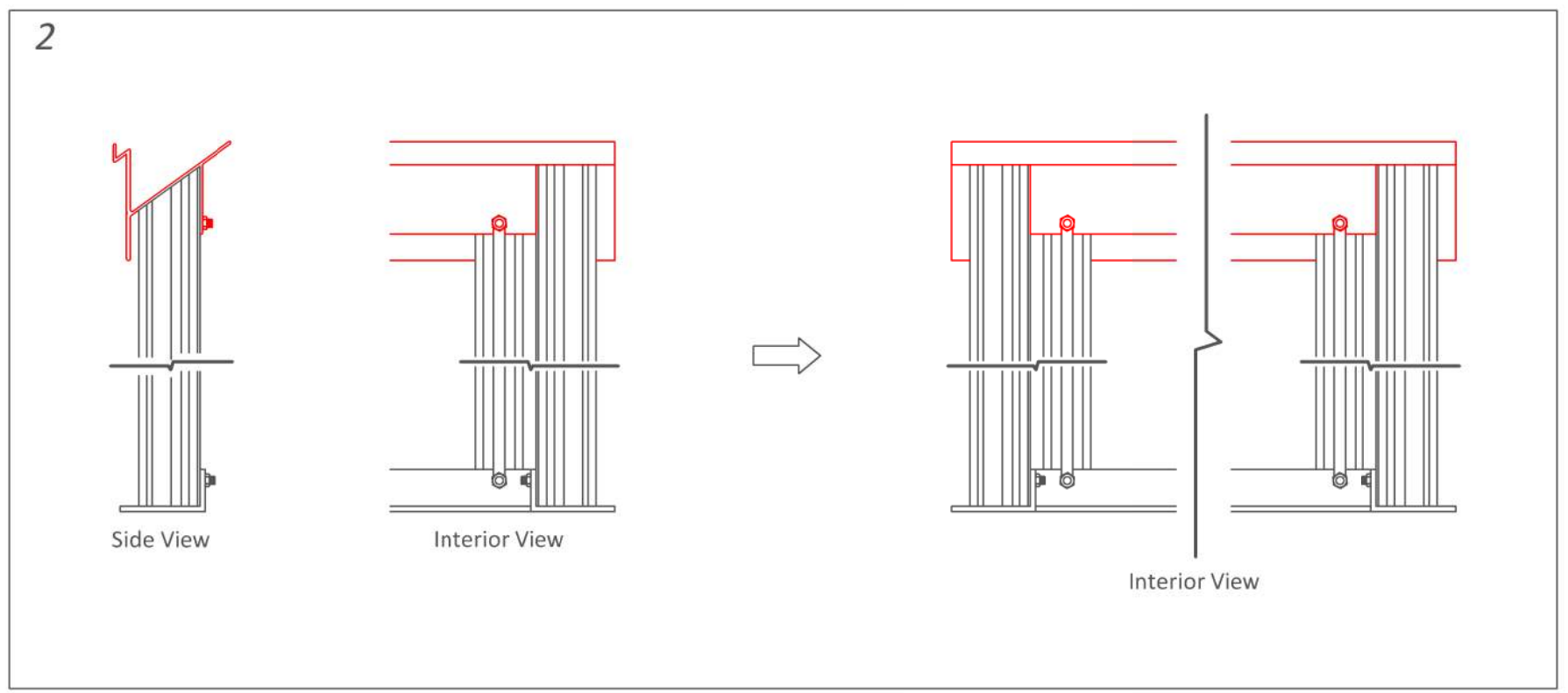
## STAGE 6: GUTTERS

*STEPS:*
1. LOWER ONE GUTTER ONTO THE CORNER POSTS.*
2. SECURE GUTTER TO CORNER POSTS.

REPEAT STEPS 1 & 2 FOR OPPOSITE GUTTER.



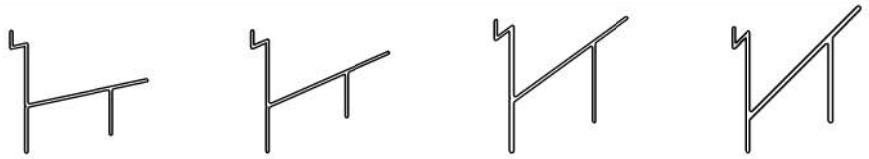




### PRO TIPS

*Make sure you have your gutters orientated in the right direction.*

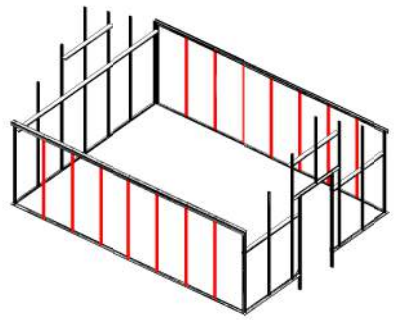
**On greenhouses over 12' in length, install one or two Side Wall Glazing Bars near the middle of the greenhouse to prevent the Gutters from sagging.*

*Parts List:*



*Gutter (2.5 / 12 Slope)* — *Gutter (5 / 12 Slope)* — *Gutter (8.5 / 12 Slope)* — *Gutter (12 / 12 Slope)* — *$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts*

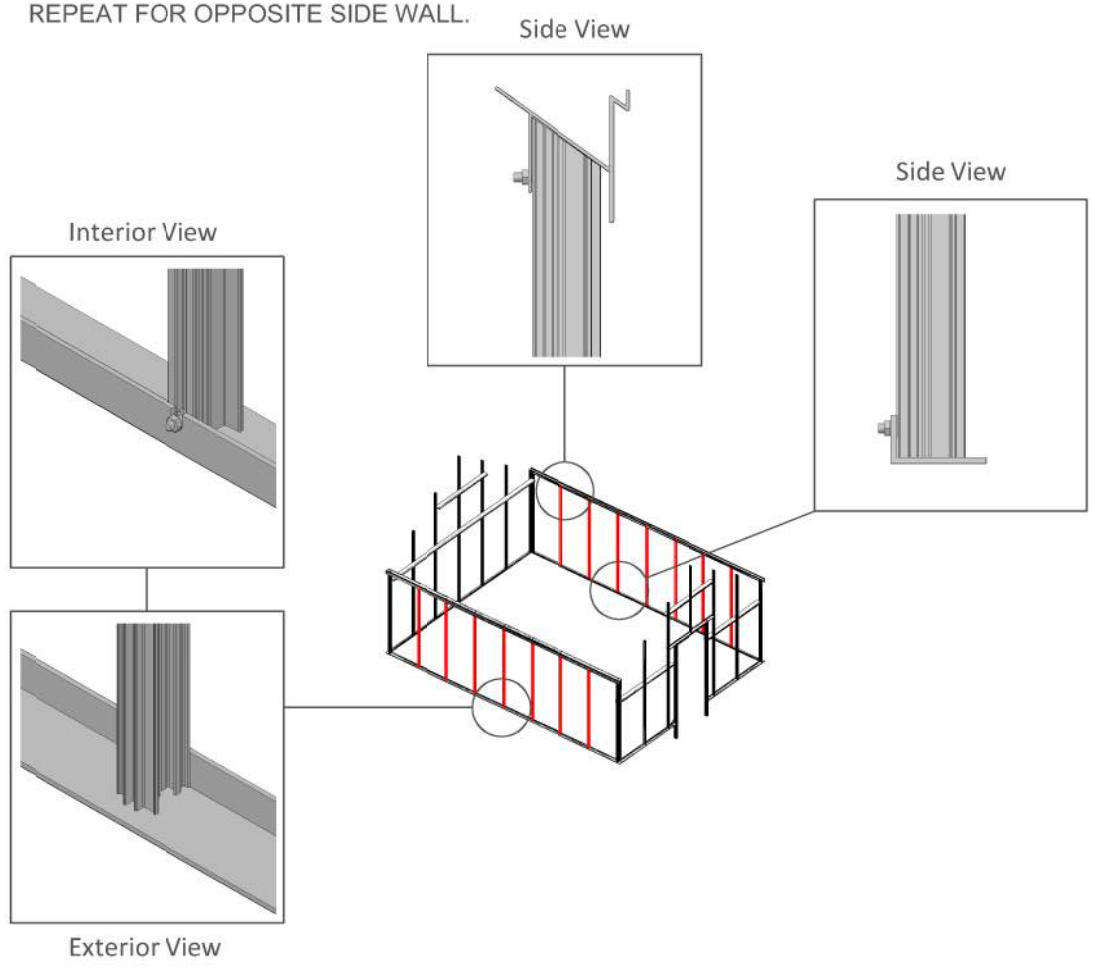
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

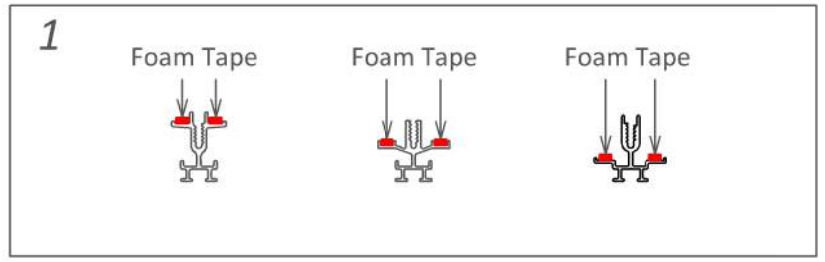


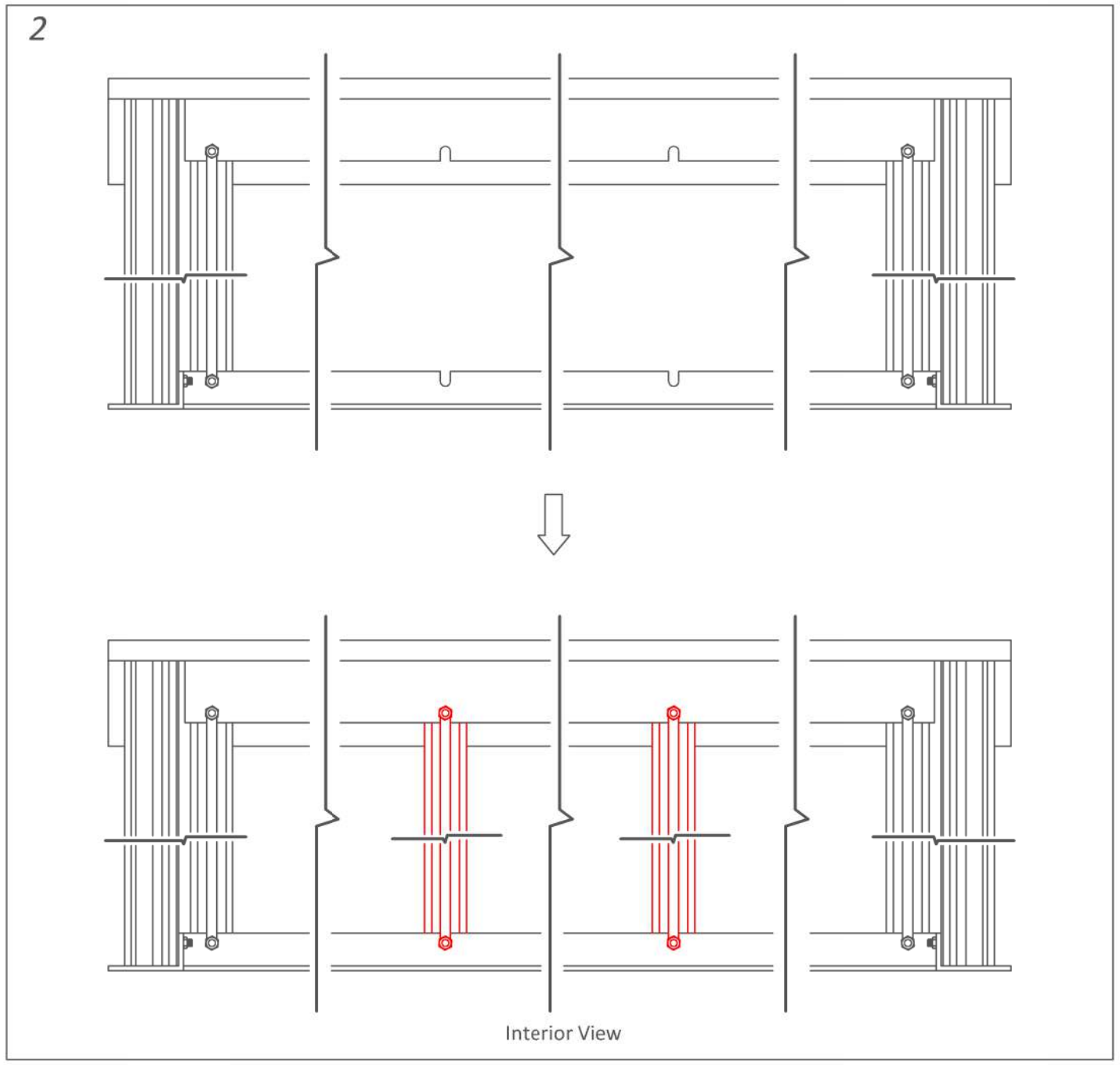
## STAGE 7: SIDE GLAZING BARS

*STEPS:*
1. APPLY FOAM TAPE TO GLAZING BARS.
2.CONNECT REMAINING SIDE GLAZING BARS TO BASE & GUTTER.
*(GLAZING BAR SHOULD BE TIGHT TO BASE & GUTTER)*

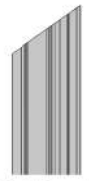
REPEAT FOR OPPOSITE SIDE WALL.



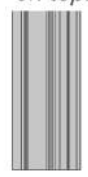




*Typical Side Wall Glazing Bar*



*Angle Cut Back to Front on top.*



*Square Cut on bottom.*

*Parts List:*


*Glazing Bar (3mm Single Glass)*


*Glazing Bar (6mm Twinwall Poly.)*


*Glazing Bar (6mm Single Glass)*

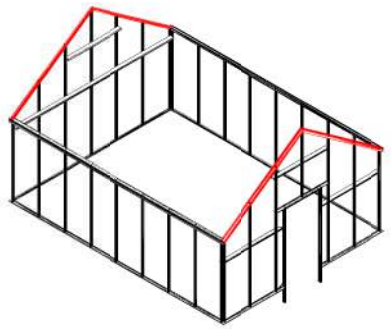

*Glazing Bar (16mm Fivewall Poly.)*


*Glazing Bar (16mm Double Glass)*


*Foam Tape*


*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

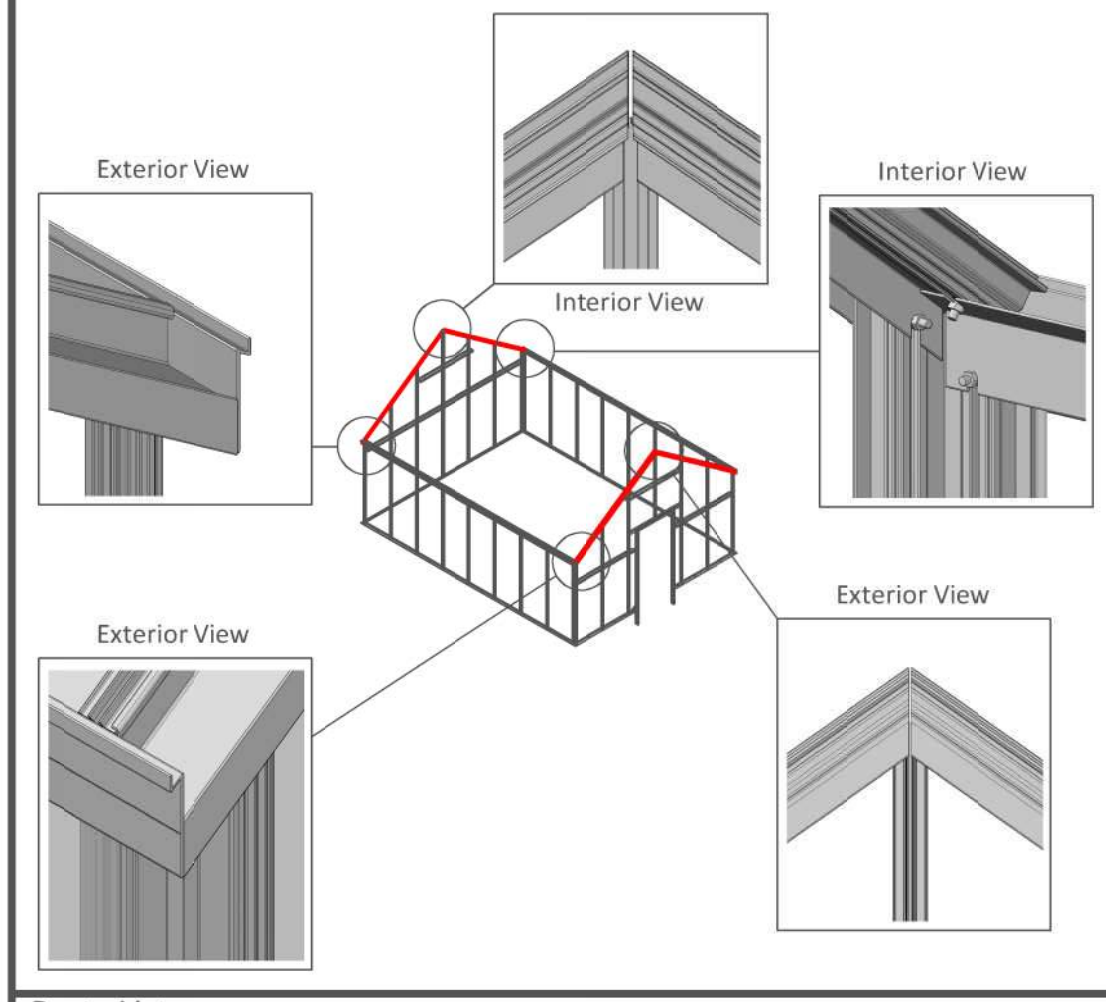


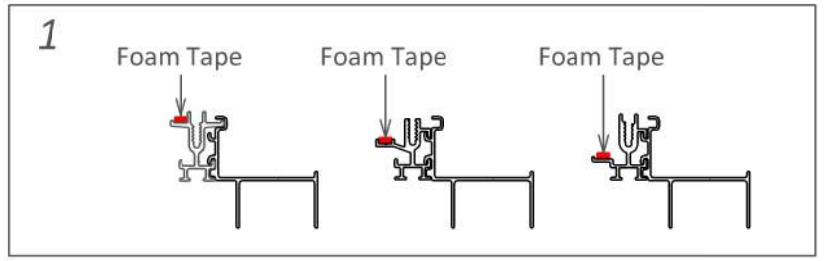
## STAGE 8: END RAFTERS

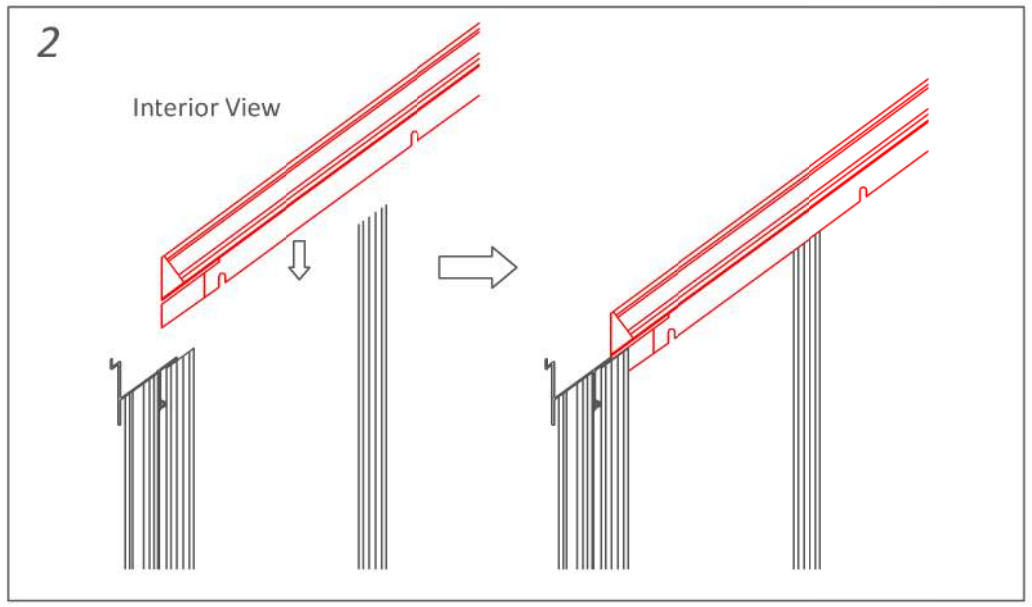
*STEPS:*

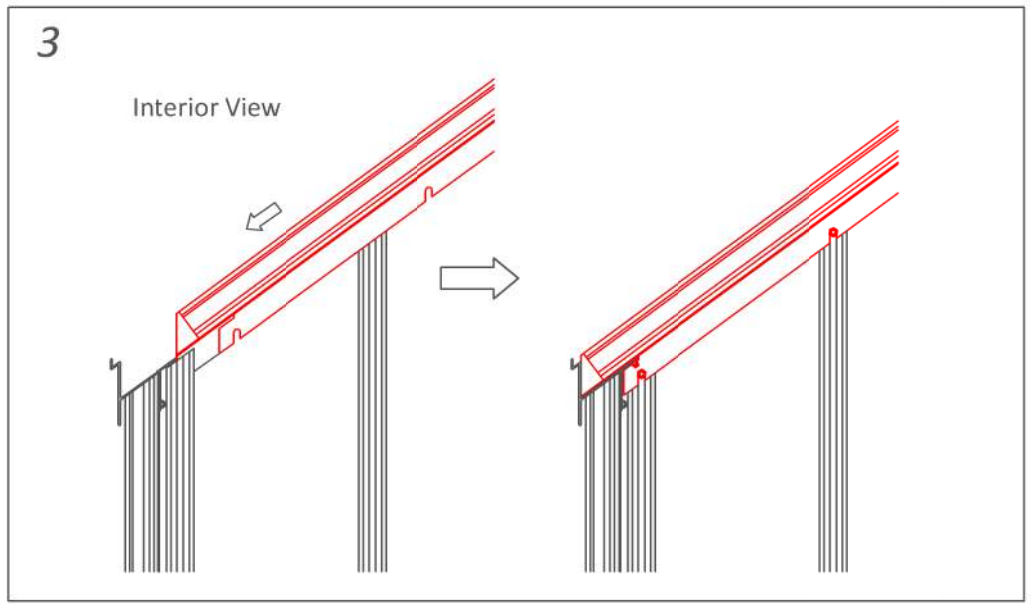
1. APPLY FOAM TAPE TO END RAFTER GLAZING BARS.
2. PLACE THE END RAFTER ON TOP OF THE GABLE GLAZING BARS.
3. SLIDE END RAFTER DOWN UNTIL IT FITS OVER GUTTER AND SECURE TO ALL BARS *EXCEPT* THE CENTER BAR (IF APPLICABLE) .

REPEAT STEPS 2 & 3 FOR REMAINING END RAFTERS.



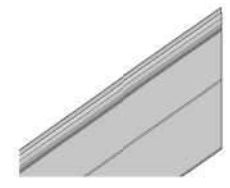



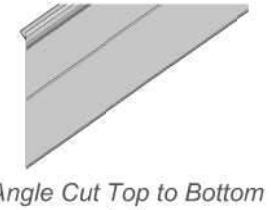

### PRO TIPS

*Leave a gap of approximately $\frac{1}{8}$" to $\frac{1}{4}$" where the End Rafters meet so that the Ridge will fit between. You can tighten the gap once the Ridge is installed.*

*Typical End Rafter*

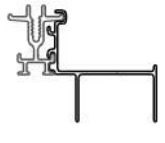


*Angle Cut Top to Bottom on top.*

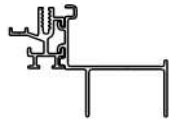


*Angle Cut Top to Bottom on bottom.*

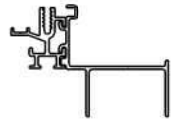
*Parts List:*



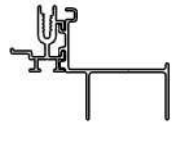
*End Rafter (3mm Single Glass)*



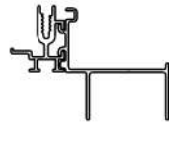
*End Rafter (6mm Twinwall Poly.)*



*End Rafter (6mm Single Glass)*



*End Rafter (16mm Fivewall Poly.)*

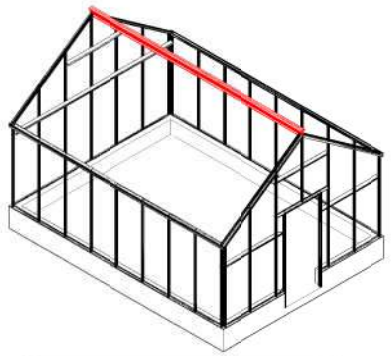


*End Rafter (16mm Double Glass)*

*Foam Tape*

$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



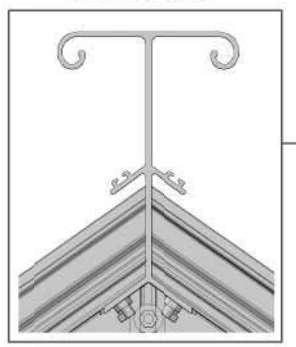
## STAGE 9: RIDGE

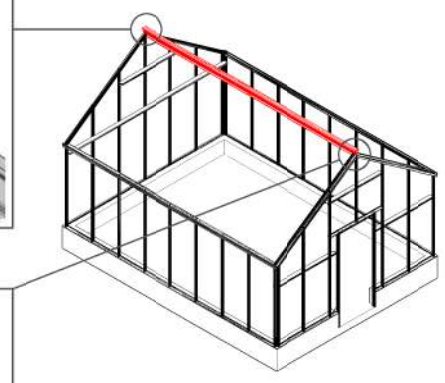
*STEPS:*

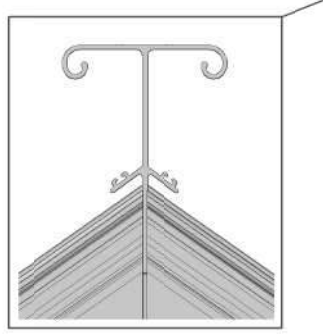
1. SLIP THE RIDGE IN BETWEEN THE END RAFTERS AT ONE END OF THE GREENHOUSE THROUGH THE SLOTS CUT INTO THE END RAFTER.
2. SECURE THE RIDGE TO THE END RAFTERS w/ (2) BOLTS & NUTS & SECURE END RAFTERS TO THE PEAK BAR w/ (1) BOLT, NUT & WASHER. (ENSURE THAT THE END RAFTER IS TIGHT TO THE RIDGE)

REPEAT FOR THE OPPOSITE END

Interior View

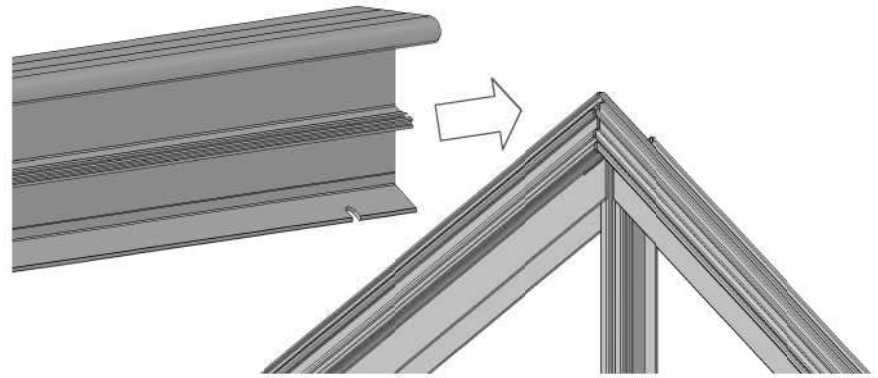




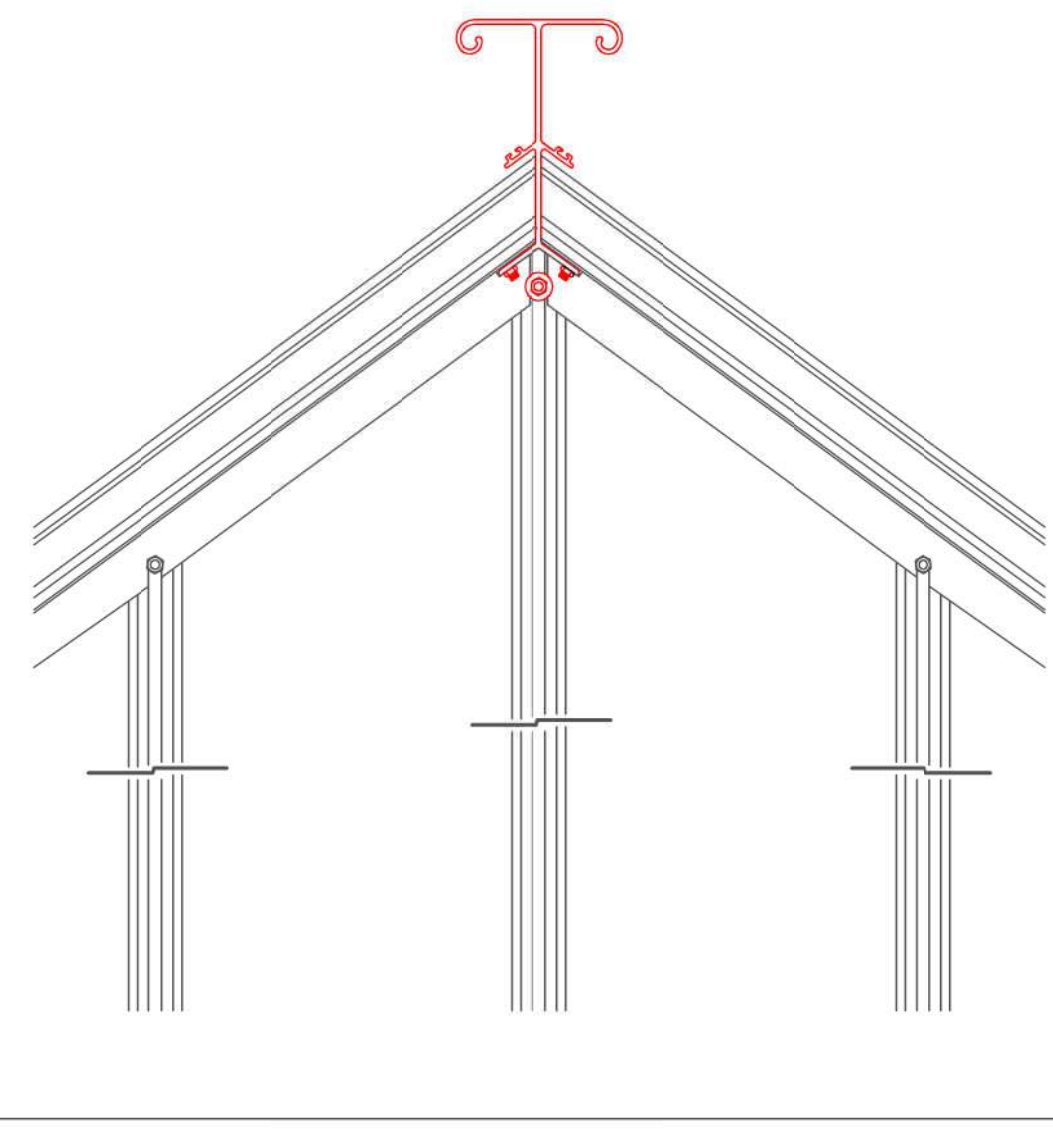


Exterior View

1

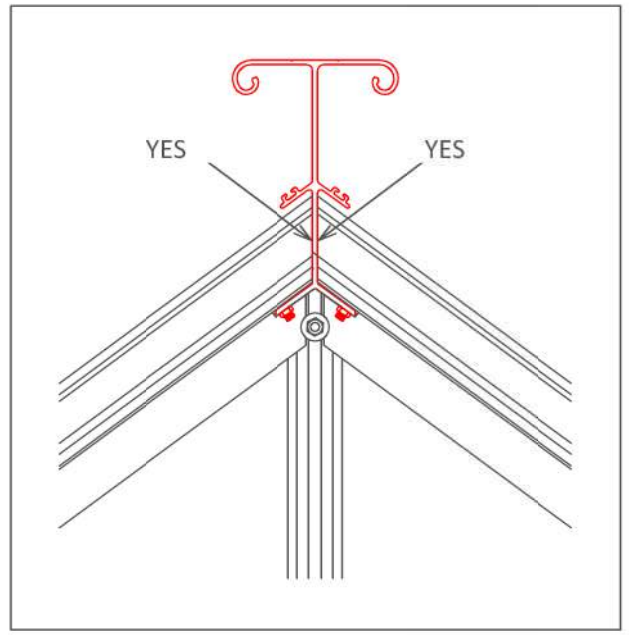


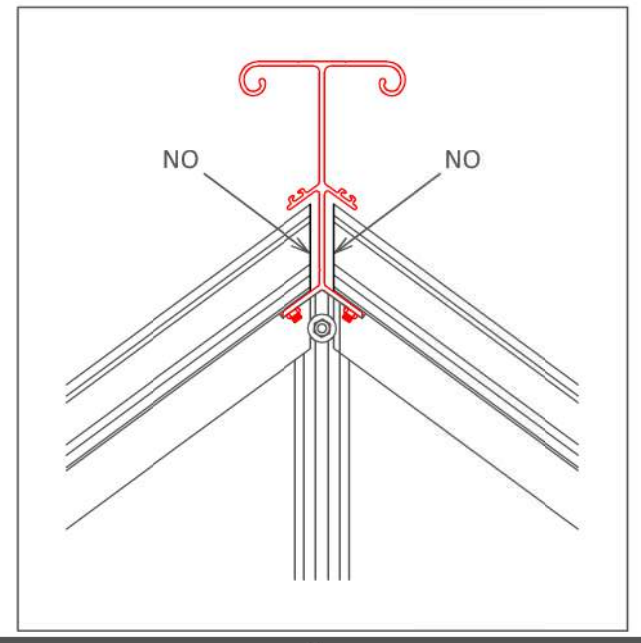
2



### PRO TIPS

*To make this step easier, position a ladder on each end of the greenhouse and work with a partner.*




*Parts List:*

*5 / 12 Ridge (3mm Single Glass)*

*8 / 12 Ridge (3mm Single Glass)*

*12 / 12 Ridge (3mm Single Glass)*

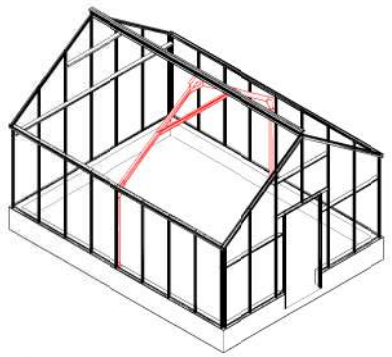
*Ridge (8.5 / 12 illustrated) (6mm Twinwall Poly or 6mm Single Glass)*

*Ridge (8.5 / 12 illustrated) (16mm Fivewall Poly or 16mm Double Glass)*

*¼" x ½" S.S. Bolts & Nuts*

*¼" Washer*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

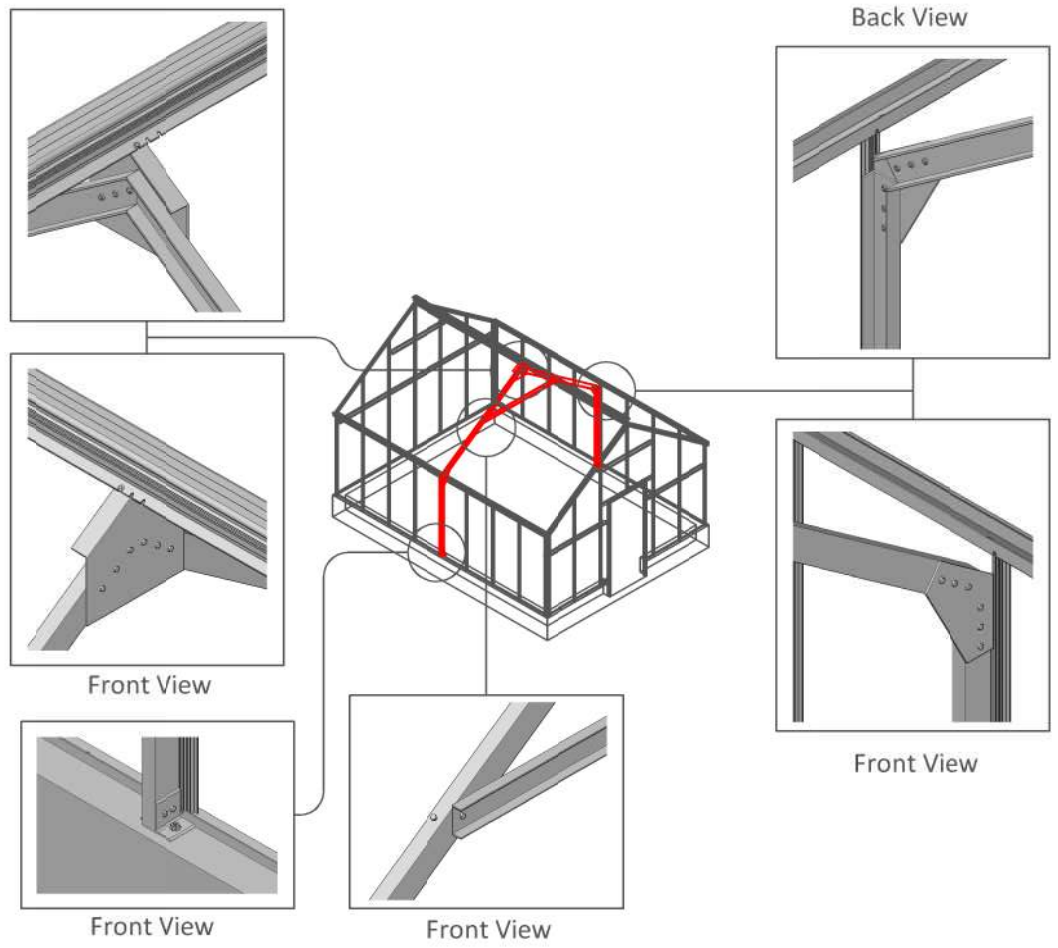


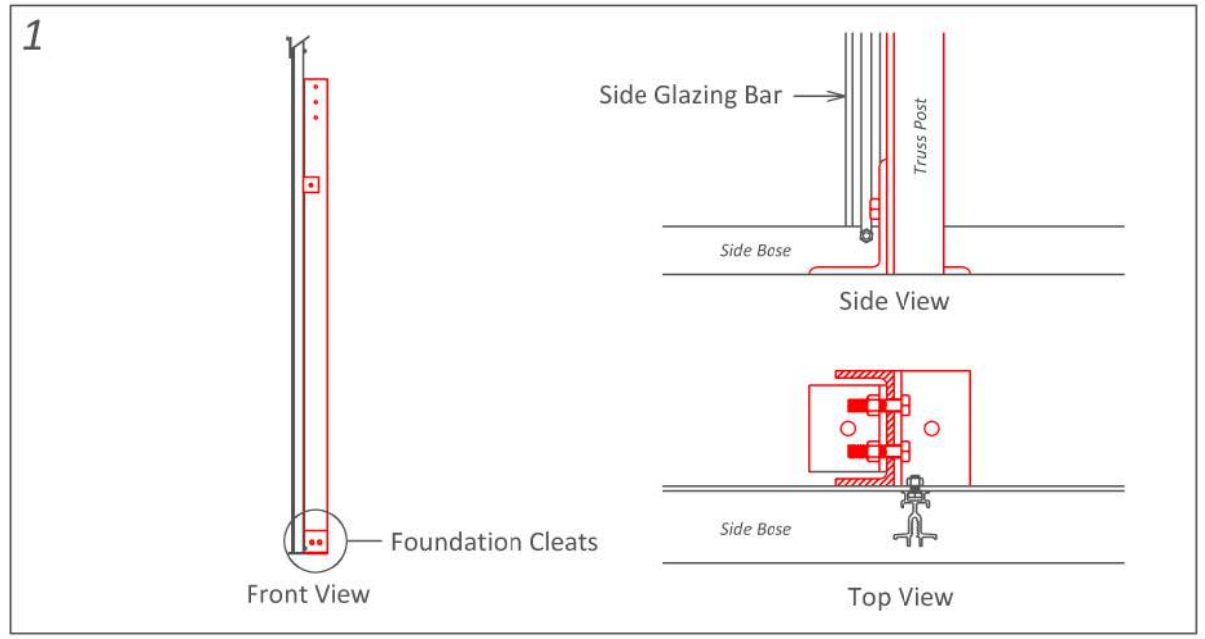
# STAGE 10A: TRUSS (if applicable)

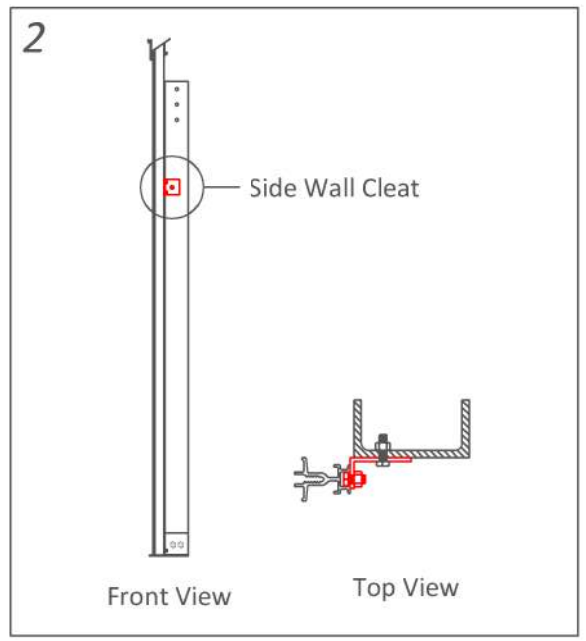
*STEPS:*

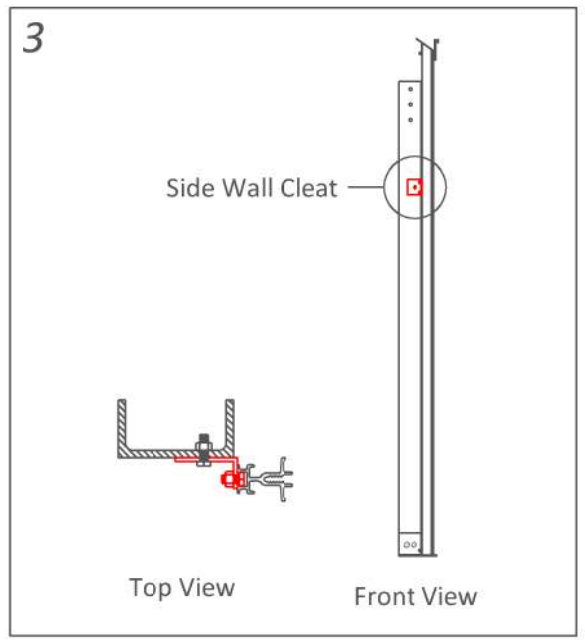
1. PLACE ONE TRUSS POST BESIDE THE APPROPRIATE SIDE GLAZING BAR.*
2. CONNECT THE SIDE WALL CLEAT TO THE SIDE GLAZING BAR w/ $\frac{1}{4}$" x $\frac{1}{2}$" BOLTS & NUTS.
3. REPEAT STEPS 1 & 2 FOR THE OPPOSITE SIDE.

TURN TO NEXT PAGE



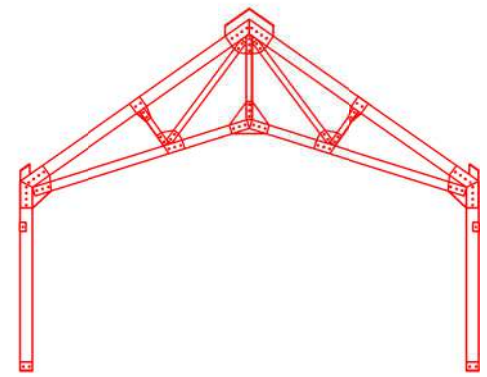




## PRO TIPS

*The Truss on every model of greenhouse is slightly different. Refer to your Job Specific drawings frequently during this stage.*



*If your Truss looks similar to this, refer to the "Commercial Truss" Instruction in the Accessories Section of the Manual*

## Parts List:

*(Typical non-commercial Truss)*

*Truss Post (x 2)*

*Top Chord (x 2)*

*Collar Tie (x 1)*

*Corner Plates (1 pair)*

*Peak Plates (x 1)*

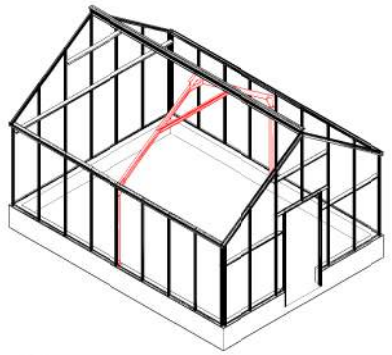
*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts (x 4)*

*$\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolts & Nuts (x 2)*

*$\frac{1}{4}$" Washer (x 2)*

*$\frac{3}{8}$" x $1\frac{1}{4}$" S.S. Bolts & Nuts (x 20)*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 10B: TRUSS (if applicable)

*STEPS:*

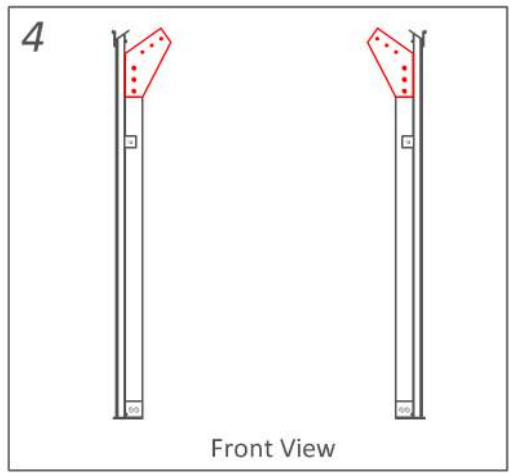
4. ATTACH CORNER PLATES TO POSTS w/ $\frac{3}{8}$" x $1\frac{1}{4}$" BOLTS & NUTS.

REPEAT FOR THE OPPOSITE SIDE.

5. ATTACH THE PEAK PLATE TO THE RIDGE
   w/ $\frac{1}{4}$" x $\frac{3}{4}$" BOLTS, NUTS & WASHERS.
6. ATTACH ONE TOP CHORD TO THE CORNER PLATE w/ $\frac{3}{8}$" x $1\frac{1}{4}$" BOLTS & NUTS.
7. ATTACH THE TOP TOP CHORD TO THE PEAK PLATE w/ $\frac{3}{8}$" x $1\frac{1}{4}$" BOLTS & NUTS.
8. REPEAT STEPS 6 & 7 FOR THE OPPOSITE SIDE.

TURN TO NEXT PAGE

4

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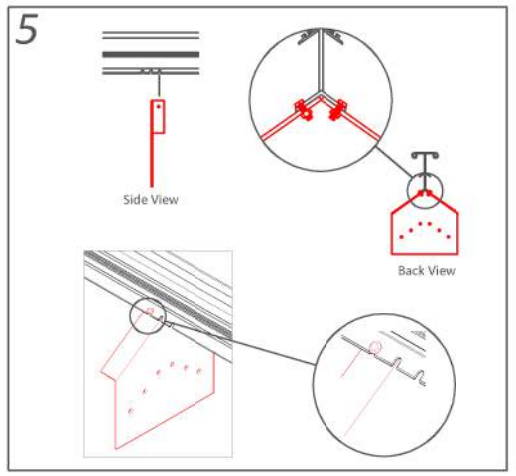
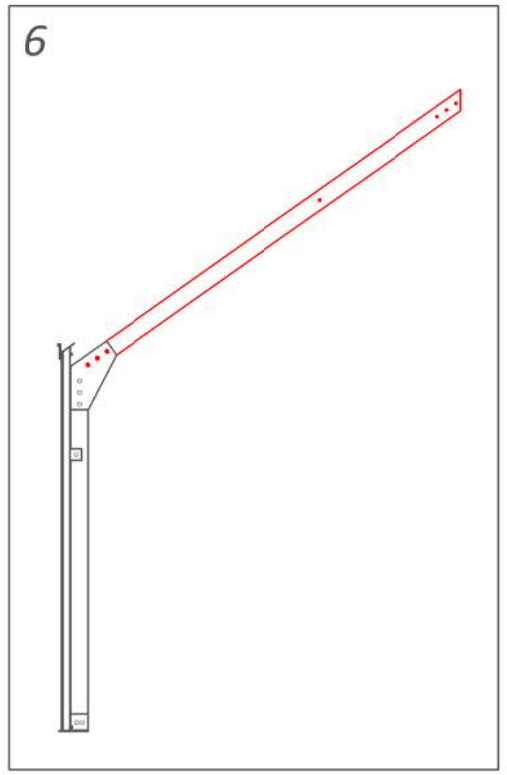



### PRO TIPS

*Do not tighten the bolts at this stage more than finger-tight. You may have to adjust the truss as you progress.*

6



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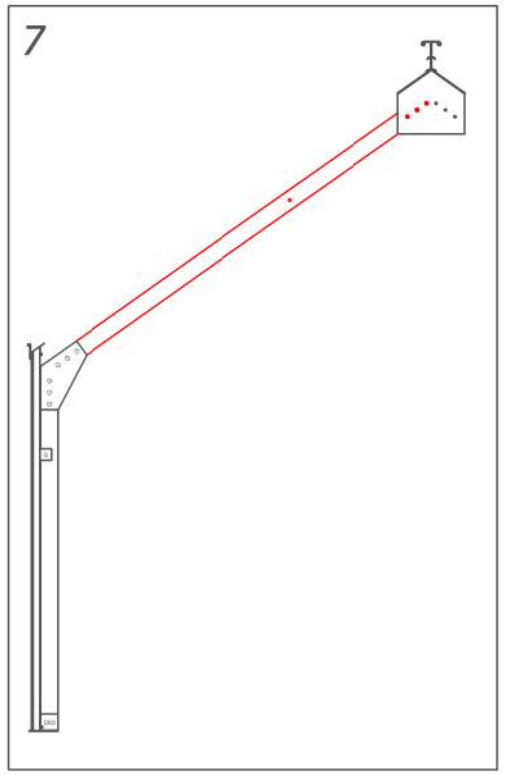

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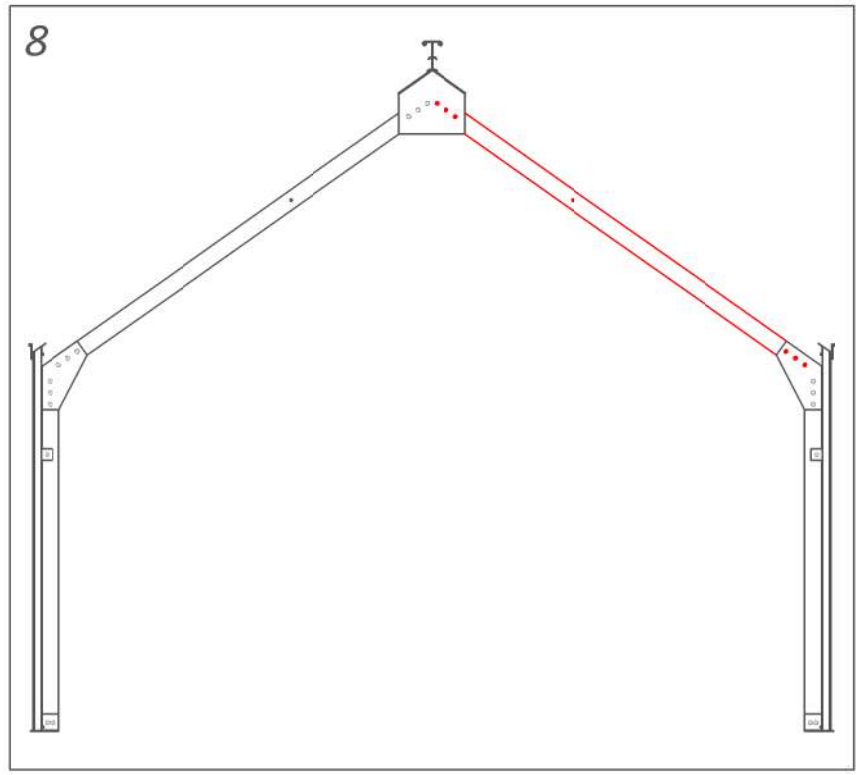


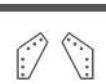
## Parts List:

*(Typical non-commercial Truss)*

*Truss Post (x 2)*

*Top Chord (x 2)*

*Collar Tie (x 1)*



*Corner Plates (1 pair)*

*Peak Plates (x 1)*

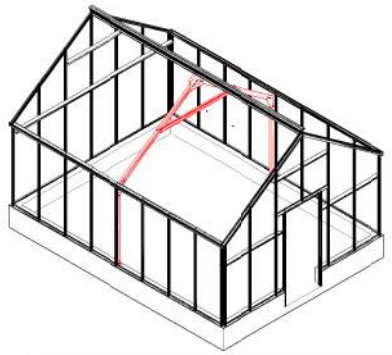
*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts (x 4)*

*$\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolts & Nuts (x 2)*

*$\frac{1}{4}$" Washer (x 2)*

*$\frac{3}{8}$" x $1\frac{1}{4}$" S.S. Bolts & Nuts (x 20)*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



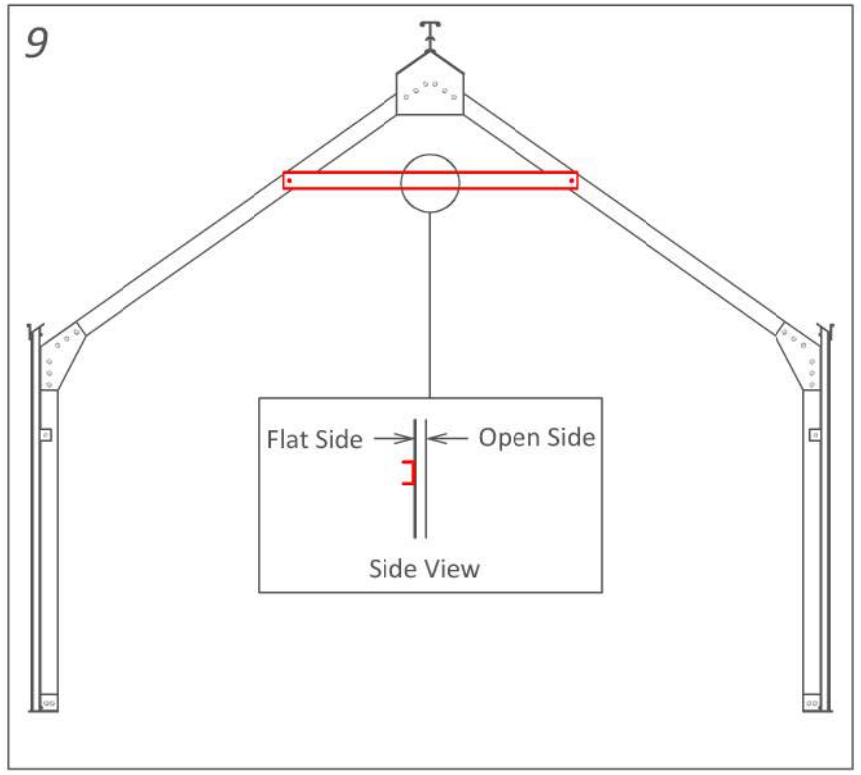
## STAGE 10C: TRUSS (if applicable)

*STEPS:*

9. ATTACH THE COLLAR TIE TO THE TOP CHORDS w/ $\frac{3}{8}$" x $1\frac{1}{4}$" BOLTS & NUTS.
10. VERIFY THAT TRUSS WIDTH IS EQUAL AT THE BASE AND GUTTER & MATCH JOB SPECIFIC DRAWINGS.

ONCE WIDTHS ARE EQUAL, TIGHTEN ALL BOLTS.

9

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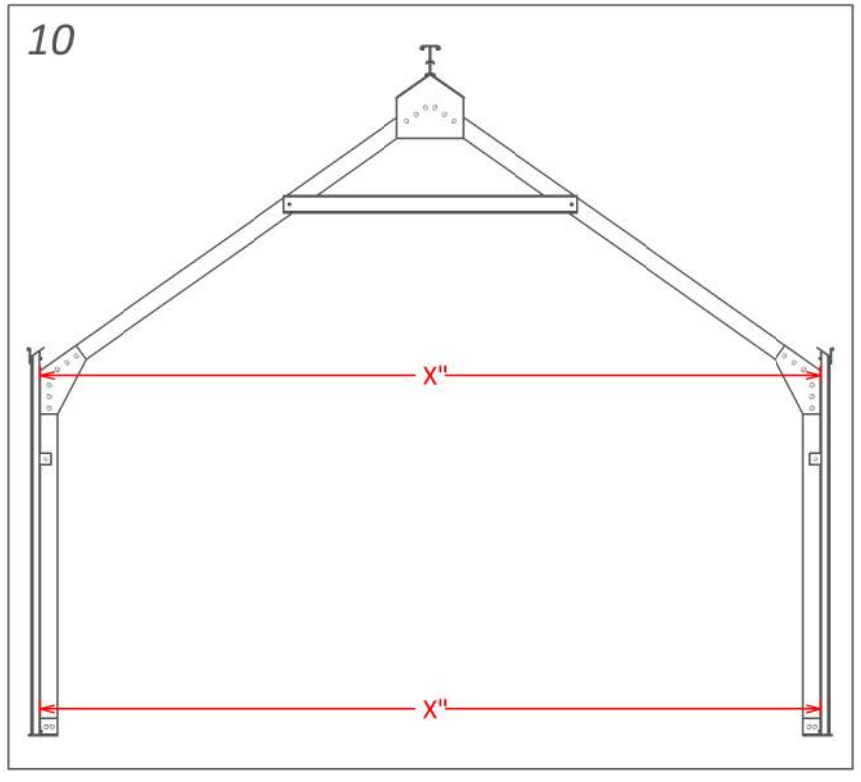



### PRO TIPS

*Do not use an Impact Driver when tightening your truss fasteners as it can cause the nuts to seize.*

### *Parts List:*

*(Typical non-commercial Truss)*

*Truss Post (x 2)*

*Top Chord (x 2)*

*Collar Tie (x 1)*

*Corner Plates (1 pair)*

*Peak Plates (x 1)*

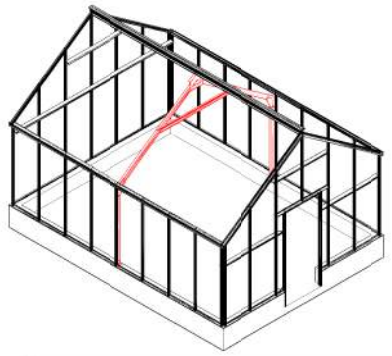
*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts (x 4)*

*$\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolts & Nuts (x 2)*

*$\frac{1}{4}$" Washer (x 2)*

*$\frac{3}{8}$" x $1\frac{1}{4}$" S.S. Bolts & Nuts (x 20)*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 10D: TRUSS ANCHORING (if applicable)
## VERTICAL POST ANCHORING (if applicable)

### PRO TIPS

*Refer to you Job Specific Drawings for your exact Anchor Dimensions.*

### Wood Foundation

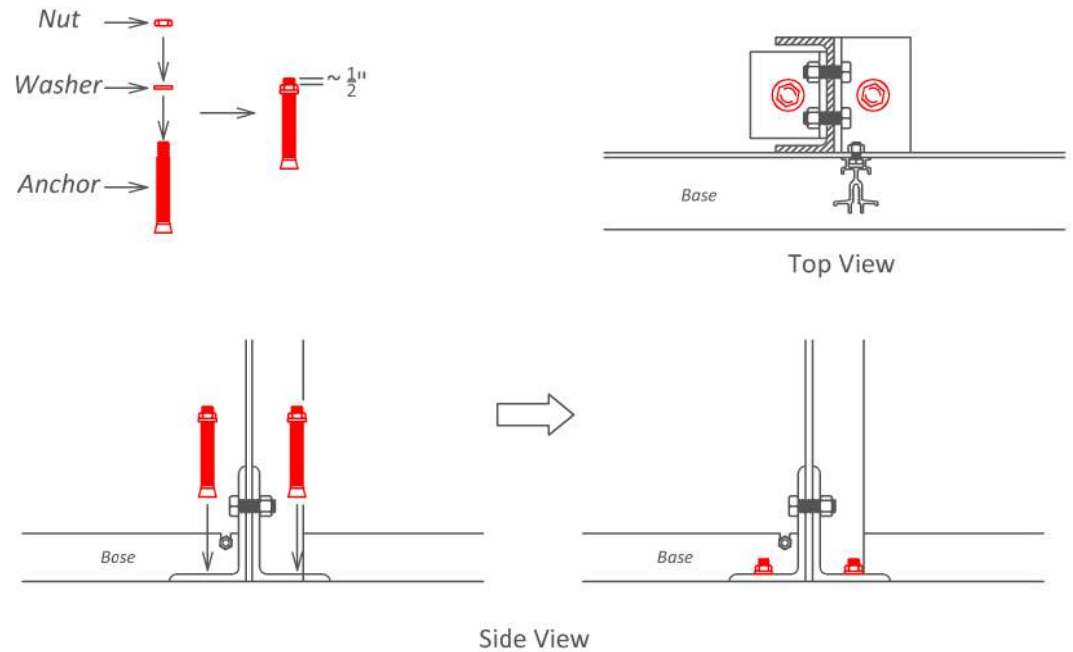
STEPS:
12. DRILL A HOLE IN FOUNDATION USING EXISTING HOLES IN TRUSS CLEAT AS A PILOT.
13. FASTEN TRUSS TO FOUNDATION w/ LAG BOLTS & WASHERS.




*3/8"DIAMETER ANCHOR BOLT = 3/8" DIAMETER HOLE*
*1/2" DIAMETER ANCHOR BOLT = 1/2" DIAMETER HOLE*

### Concrete Foundation

STEPS:
12. DRILL A HOLE IN FOUNDATION USING EXISTING HOLES IN TRUSS CLEAT AS A PILOT.
13. ATTACH NUT & WASHER TO ANCHOR.
14. HAMMER ANCHOR INTO FOUNDATION.
15. TIGHTEN NUTS.




*3/8"DIAMETER ANCHOR BOLT = 3/8" DIAMETER HOLE*
*1/2" DIAMETER ANCHOR BOLT = 1/2" DIAMETER HOLE*

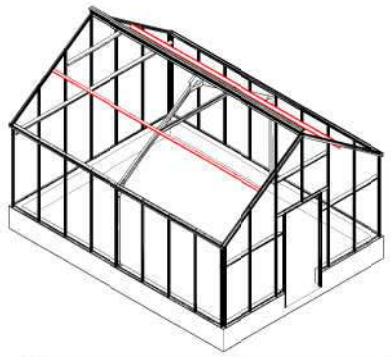
### Parts List:

*(Typical non-commercial Truss)*

*Lag Bolt & Washer*

*Concrete Anchor w/ Nut & Washer*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

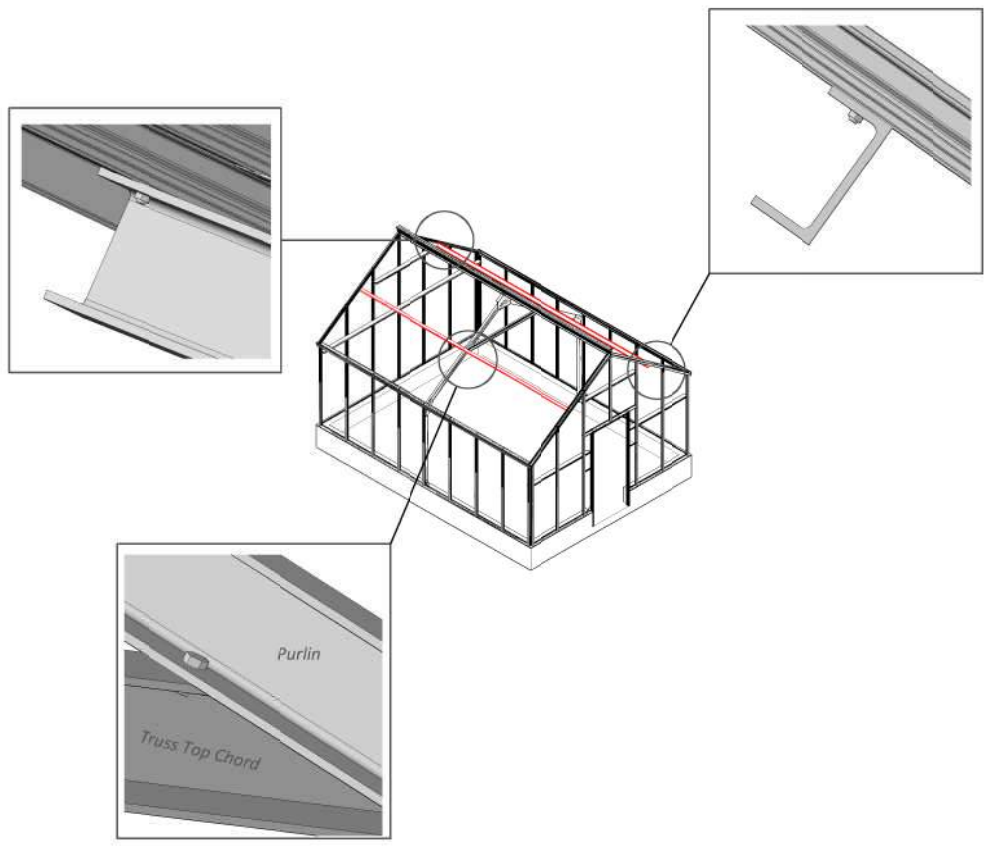


# STAGE 11: PURLINS

*STEPS:*

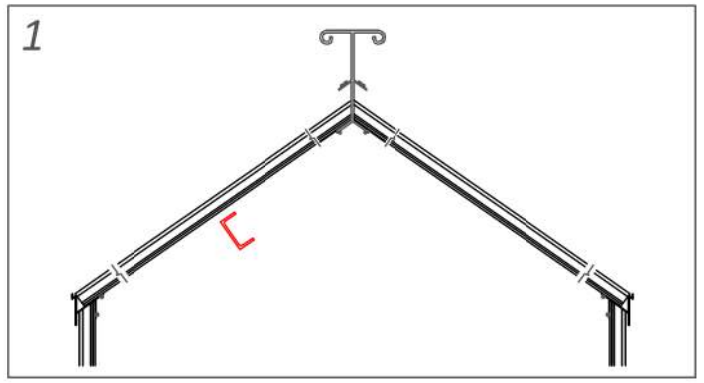
1. MOVE PURLIN INTO APPROXIMATE POSITION BELOW END RAFTERS (BUT ABOVE TRUSS).*
2. INSERT APPROPRIATE BOLT INTO THE TRACK ON THE UNDERSIDE OF THE END RAFTER & CONNECT THE PURLIN TO THE END RAFTER. (REPEAT FOR BOTH ENDS)
3. CONNECT PURLIN TO TRUSS TOP CHORD (IF APPLICABLE)

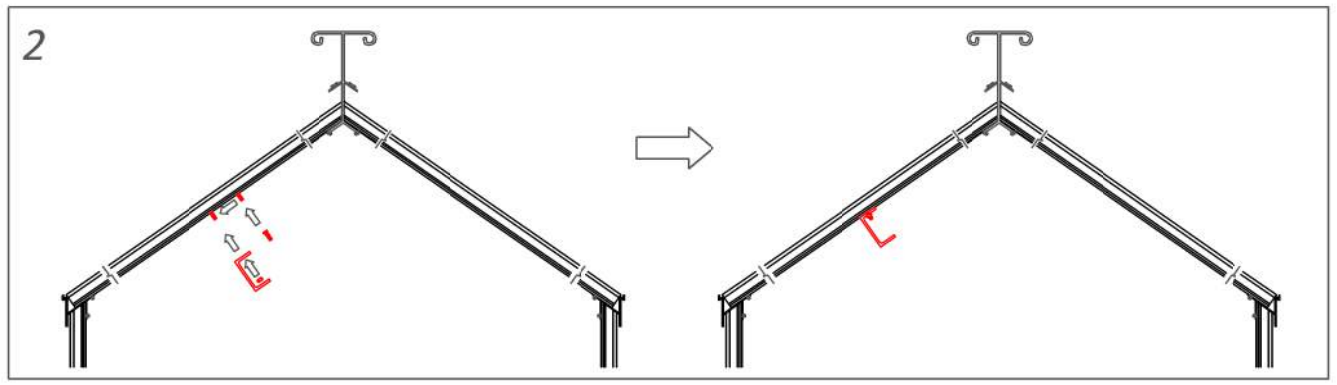
REPEAT FOR REMAINING PURLIN(S)

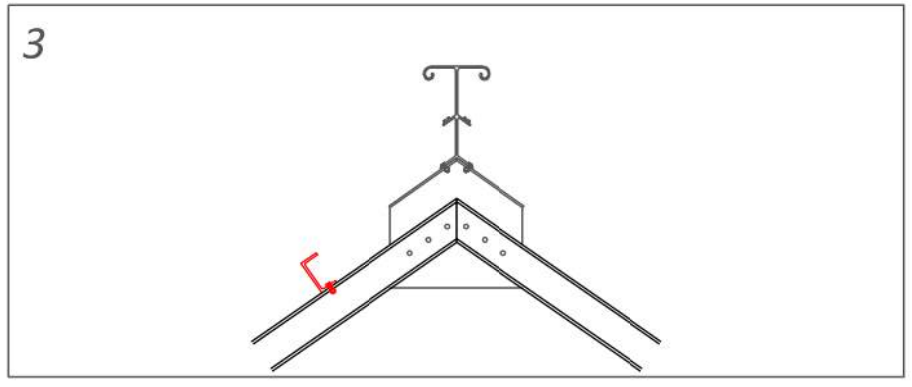



## PRO TIPS

*Not all greenhouses have Purlins and some have many. Refer to your job-specific drawings for the Purlin Type and Quantity that applies to your exact greenhouse.*



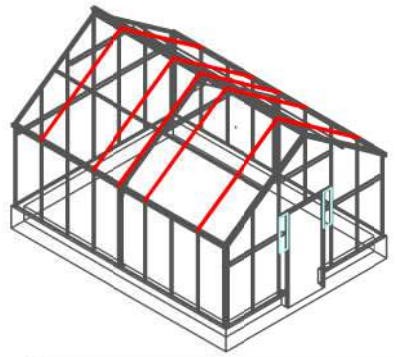

* Proper Purlin location is indicated on your job -specific drawings, generally as a measurement from the Ridge to the center of the Purlin. If your greenhouse has a Truss, the correct Purlin location can also be determined by the location of the holes drilled in the uppermost surface of the Truss Top Chord

## Parts List:

*Typical Purlin Options*

- 1" x 2" x $\frac{1}{8}$" Channel (Purlin)
- $\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts (Connecting to End Rafters)
- 1" x 3" x $\frac{1}{8}$" Channel (Purlin)
- $\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts (Connecting to End Rafters)
- $\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolts & Nuts (Connecting to Truss)
- $1\frac{1}{2}$" x 3" x $\frac{3}{16}$" Channel (Purlin)
- $\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolts & Nuts (Connecting to End Rafters)
- $\frac{3}{8}$" x $1\frac{1}{4}$" S.S. Bolts & Nuts (Connecting to Truss)

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 12: ROOF GLAZING BARS - UNDER RIDGE

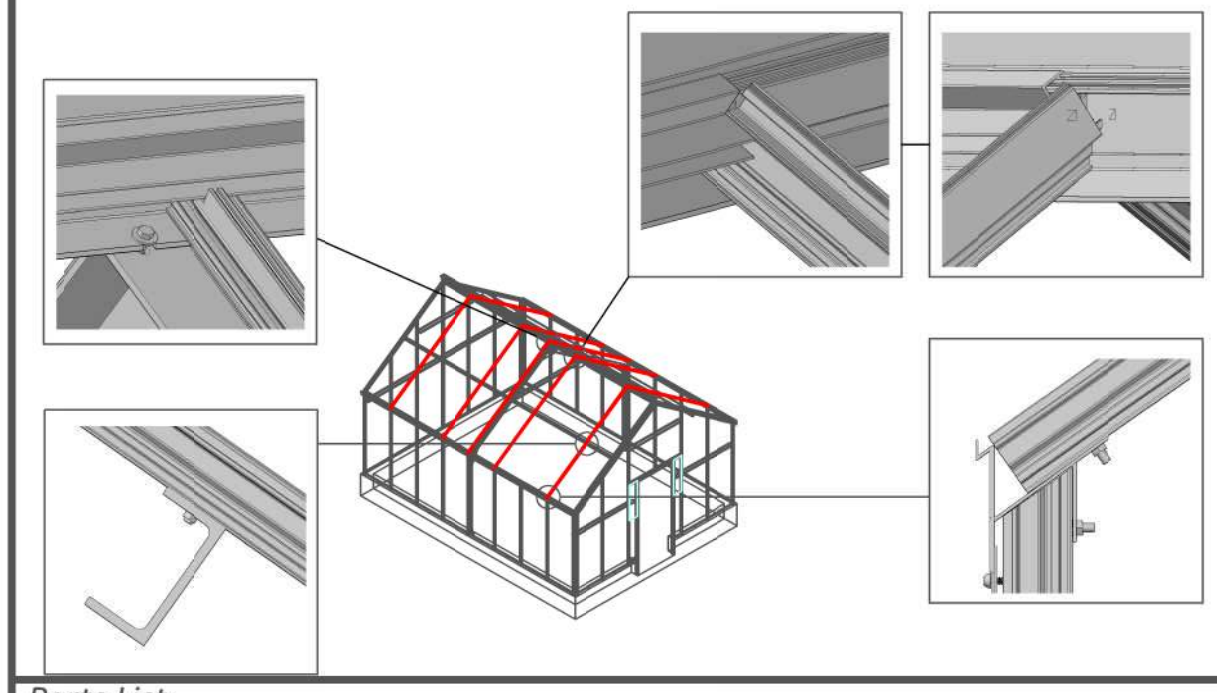
*STEPS:*

1. APPLY FOAM TAPE TO ALL GLAZING BARS .
2. ATTACH GLAZING BAR WITH VENT SLIDER #1 TO THE CORRESPONDING SPOT #1 ON THE RIDGE, PURLIN & GUTTER .
   *(Purlin & Gutter will not be numbered)*

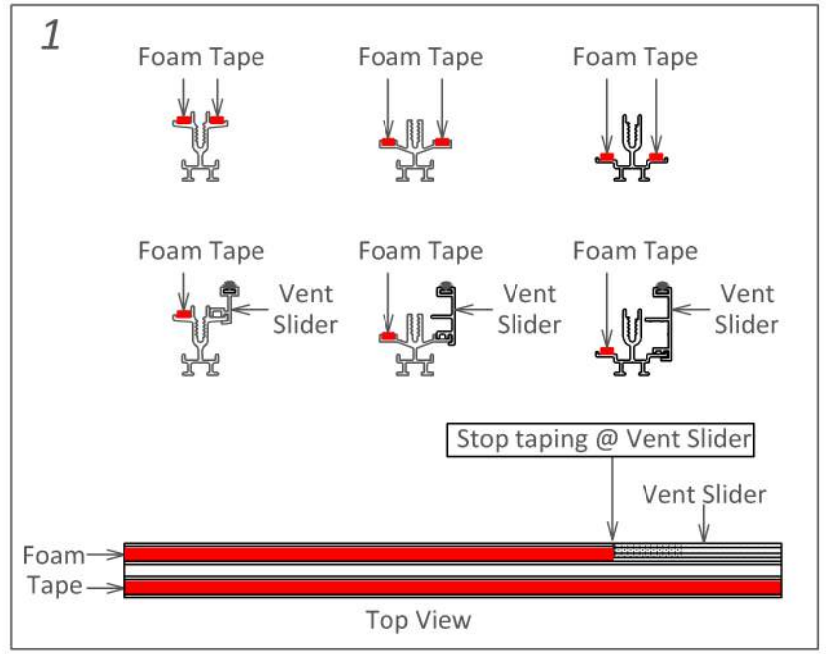
REPEAT FOR REMAINING GLAZING BARS WITH VENT SLIDERS

3. ATTACH GLAZING BARS WITHOUT VENT SLIDERS TO RIDGE, PURLIN & GUTTER

REPEAT FOR ALL REMAINING GLAZING BARS THAT CONNECT TO RIDGE.



1

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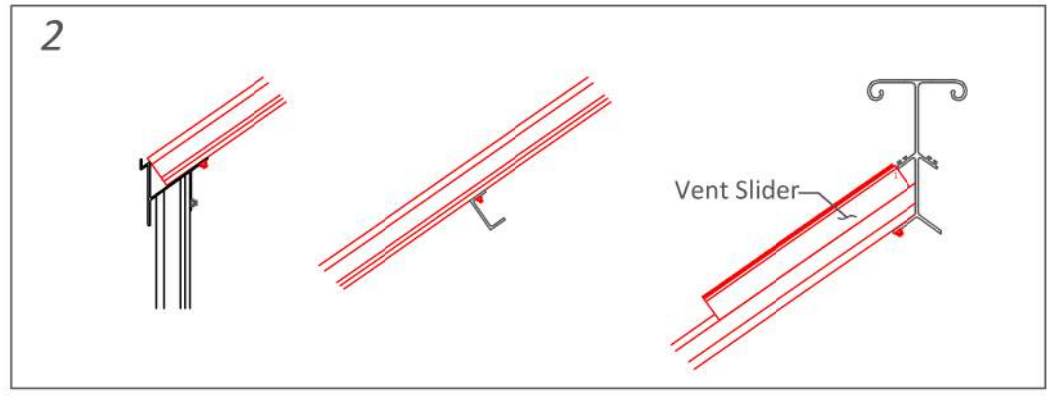


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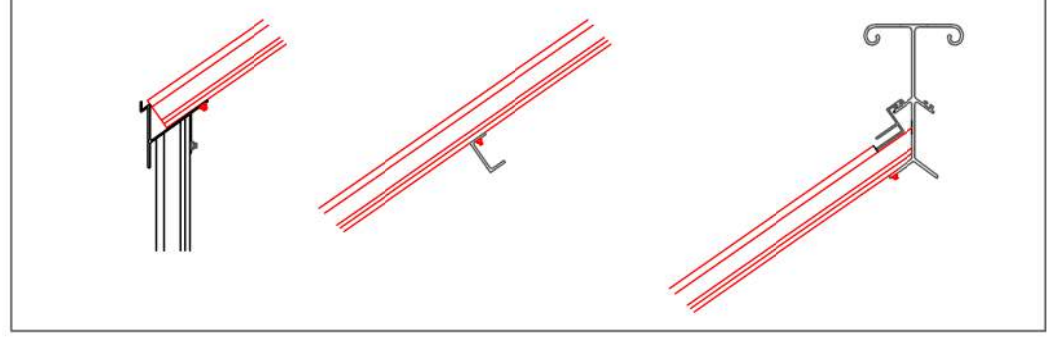


## PRO TIPS

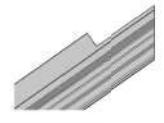
*The Roof Vent Slider Sliders will come pre-attached to the Roof Glazing Bars. Do not remove them.*

*Typical Glazing Bar (Under Ridge)*

*Angle Cut Top to Bottom on top.*

*Square Cut on bottom.*

*On Greenhouses with 6mm or 16mm Glazing in the roof, the Roof Glazing Bars that fasten to the Ridge and do not have Vent Sliders attached will have a notch cut out of the top end.*



*Parts List:*

*Glazing Bar (3mm Single Glass)*

*Glazing Bar w/ Slider (3mm Single Glass)*

*Glazing Bar (6mm Twinwall Poly.)*

*Glazing Bar (6mm Single Glass)*

*Glazing Bar w/ Slider (6mm )*

*Glazing Bar (16mm Fivewall Poly.)*

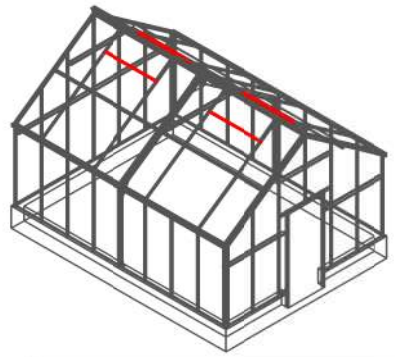
*Glazing Bar (16mm Double Glass)*

*Glazing Bar w/ Slider (16mm )*

*Foam Tape*

*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts*

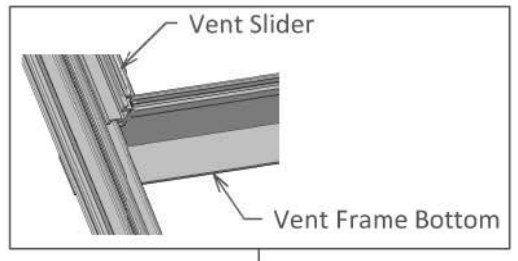
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

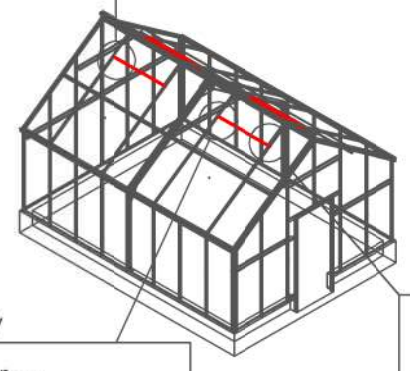


## STAGE 13: VENT FRAME BOTTOMS

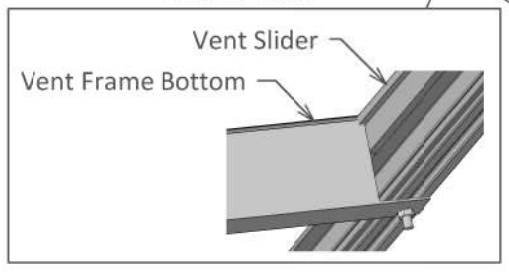
*STEPS:*

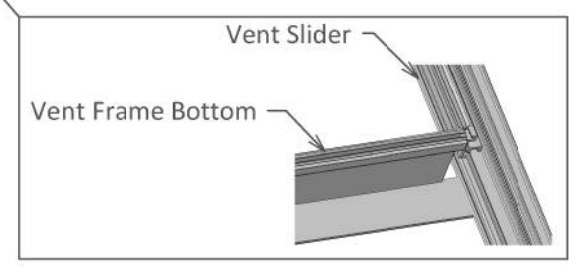
1. FIT THE VENT FRAME BOTTOM BETWEEN THE ROOF GLAZING BARS WHICH HAVE VENT SLIDERS ATTACHED.
2. SLIDE THE VENT FRAME BOTTOM TOWARDS THE RIDGE UNTIL IT IS TIGHT TO THE VENT SLIDERS.
3. SECURE THE VENT FRAME BOTTOM TO THE GLAZING BARS.

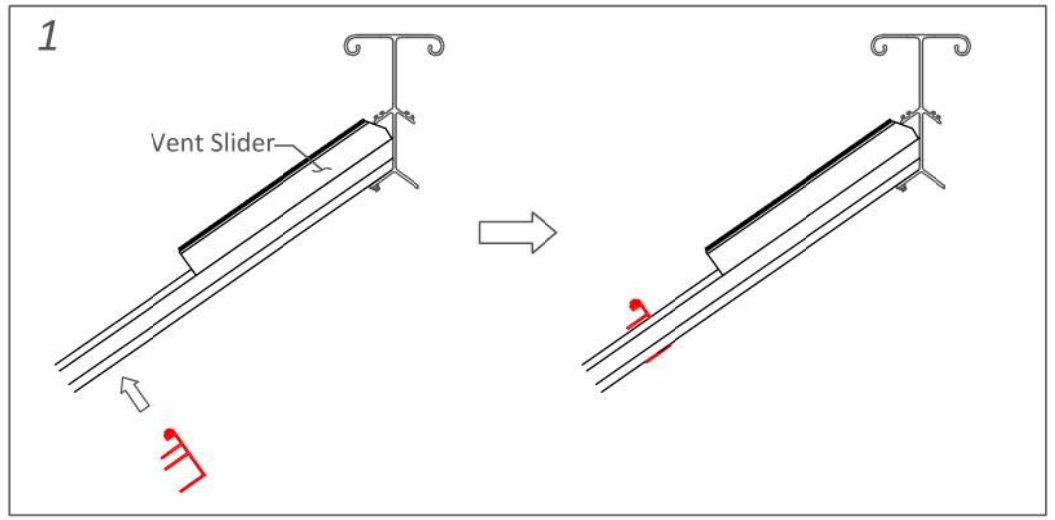


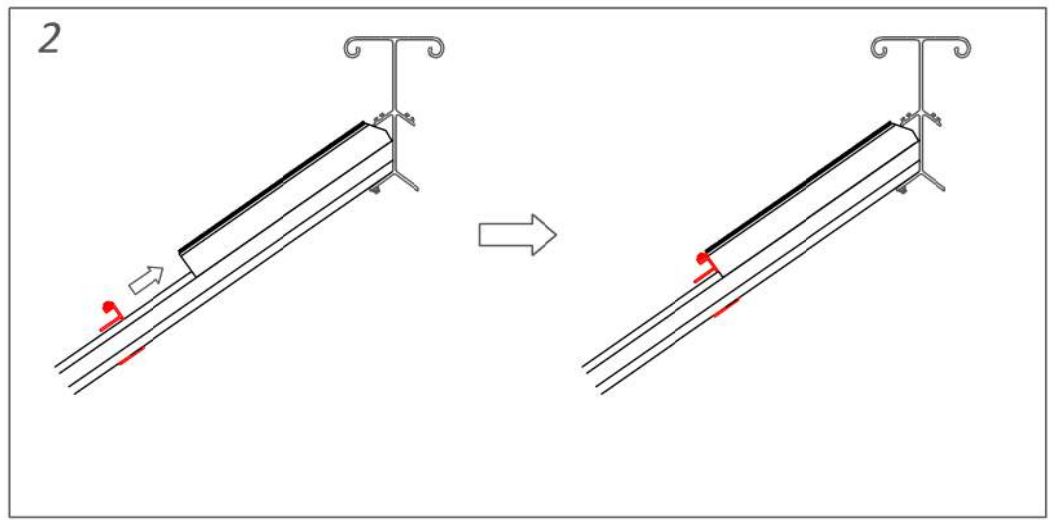



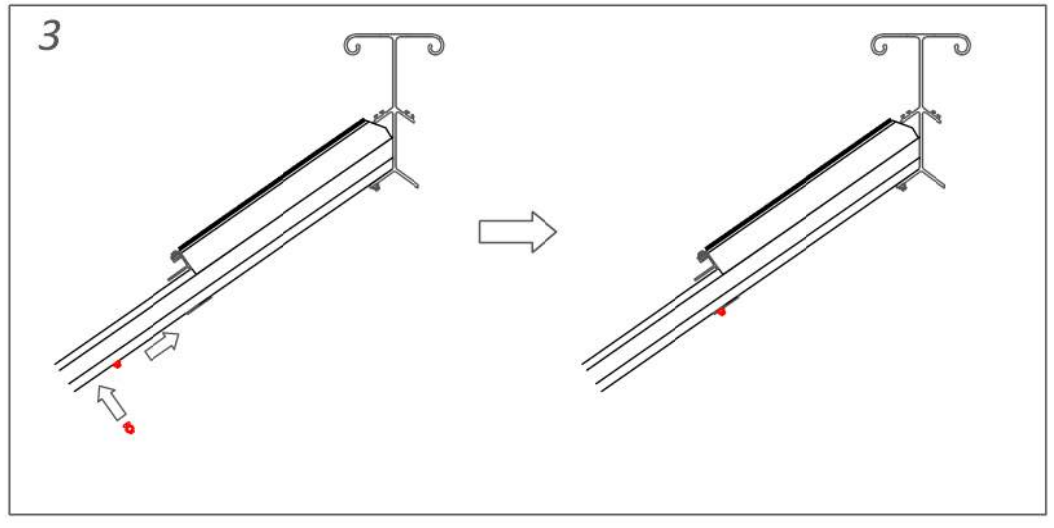
*Interior View*




### PRO TIPS

*Vent Sliders should be tight to the Ridge once the Vent Frame Bottoms have been installed.*

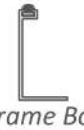
### Parts List:

*Vent Frame Bottom (3mm Single Glass)*

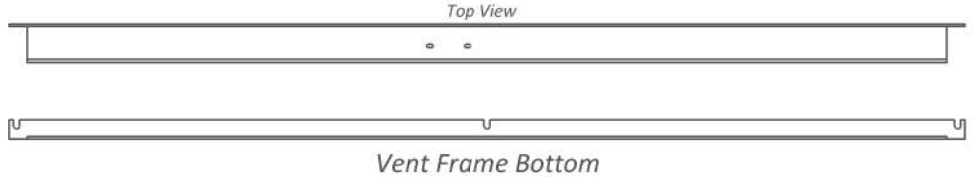
*Vent Frame Bottom (6mm Twinwall Poly.)*

*Vent Frame Bottom (6mm Single Glass)*

*Vent Frame Bottom (16mm Fivewall Poly.)*



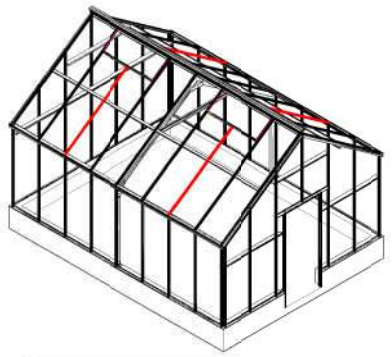
*Vent Frame Bottom (16mm Double Glass)*




*Vent Frame Bottom x 1*

*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



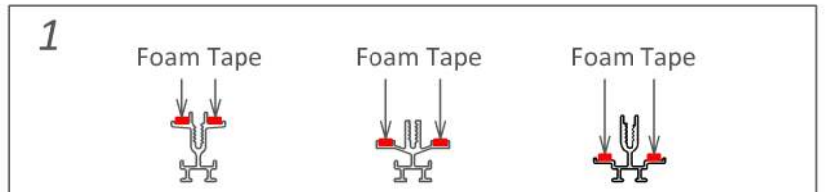
## STAGE 14: ROOF GLAZING BARS - UNDER VENT

*STEPS:*
1. APPLY FOAM TAPE TO ALL GLAZING BARS .
2. ATTACH GLAZING BAR TO VENT FRAME BOTTOM, PURLIN & GUTTER

REPEAT FOR ALL REMAINING GLAZING BARS.

*IF YOUR GREENHOUSE HAS SIDE WALL DIAGONAL BRACES, INSTALL THEM NOW BEFORE STARTING ON THE GLAZING INSTALLATION.*
*REFER TO PAGE ACC 7-8 AT THE BACK OF THIS MANUAL IF APPLICABLE.*

1

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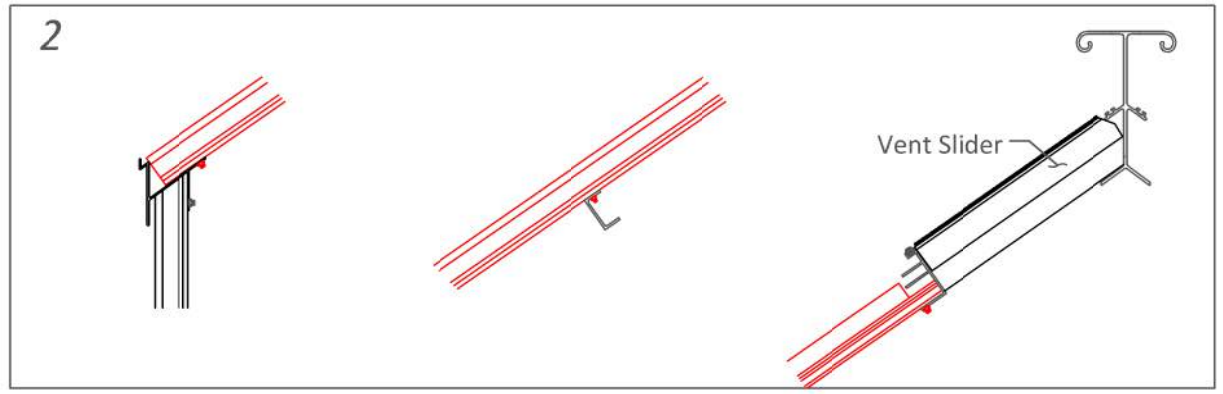
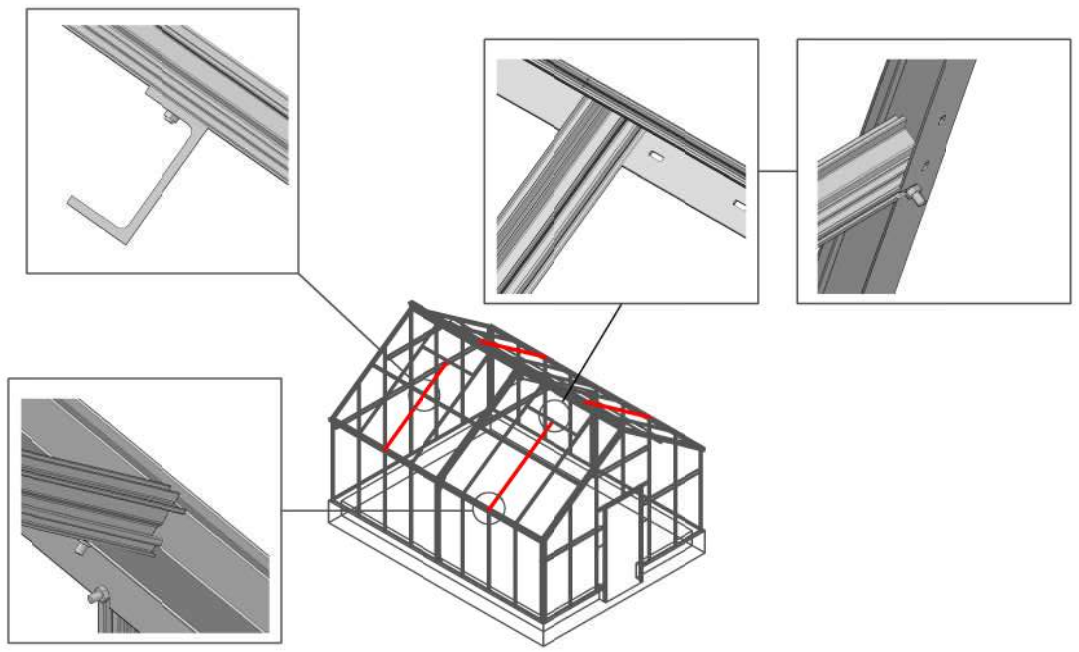


### PRO TIPS

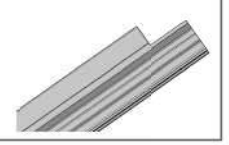
*Smile. You never know who's watching.*

*Typical Glazing Bar (Under Vent)*

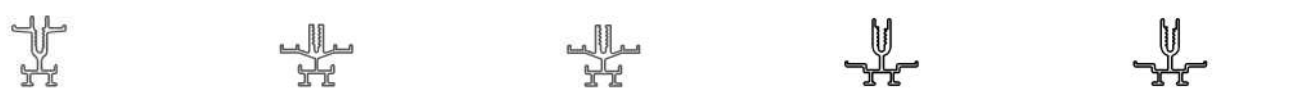
*Square Cut on top.*

*Square Cut on bottom.*

*On Greenhouses with 6mm Glazing in the roof, the Roof Glazing Bars below the Roof Vent will have a notch cut out of the top end.*

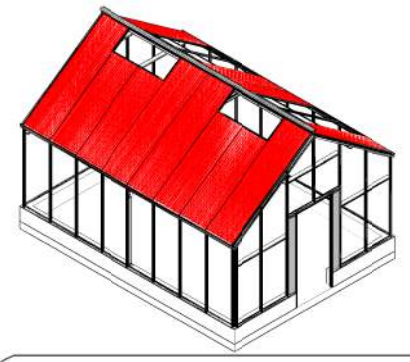


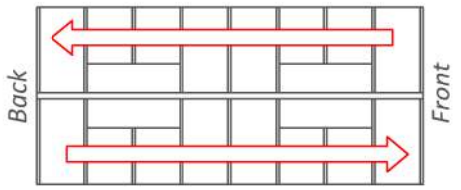
*Parts List:*



*Glazing Bar (3mm Single Glass)*
*Glazing Bar (6mm Twinwall Poly.)*
*Glazing Bar (6mm Single Glass)*
*Glazing Bar (16mm Fivewall Poly.)*
*Glazing Bar (16mm Double Glass)*
*Foam Tape*
*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolts & Nuts*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM






*GLAZE & CAP THE ROOF IN ORDER FROM BACK TO FRONT AND THEN FRONT TO BACK. COMPLETE ONE SIDE BEFORE BEGINNING THE NEXT.*

# STAGE 15A: ROOF GLAZING - (6MM TWINWALL POLYCARBONATE)

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE ROOF GLAZING BARS .
2. MARK ONE OUTSIDE CORNER OF THE POLYCARBONATE PANELS WITH A FELT PEN.
3. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL.
4. PLACE THE H-CHANNEL ONTO THE BOTTOM OF A POLYCARBONATE PANEL

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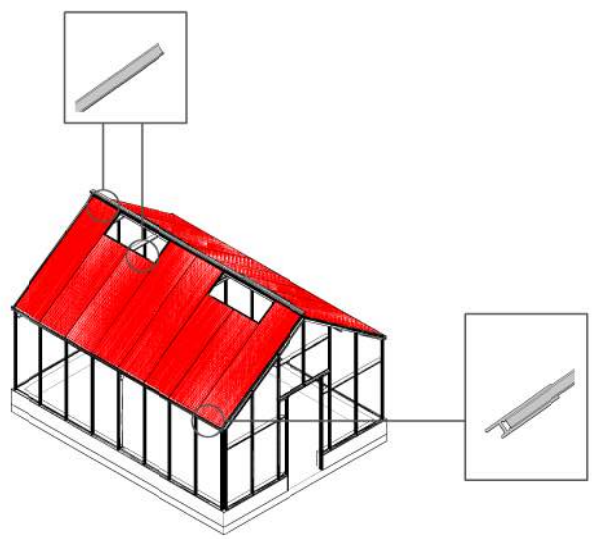
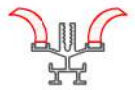
*If using a cordless drill to fasten the Caps, set your drill to a low Torque Setting. Screws should be snug to the cap plus a quarter turn.*



1

Peel paper from Foam Tape



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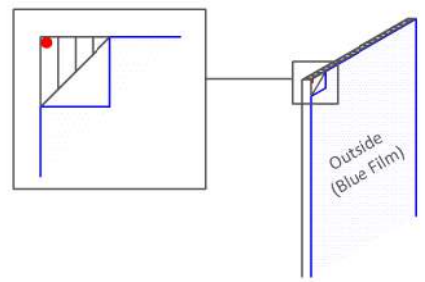


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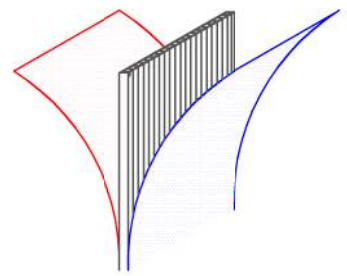

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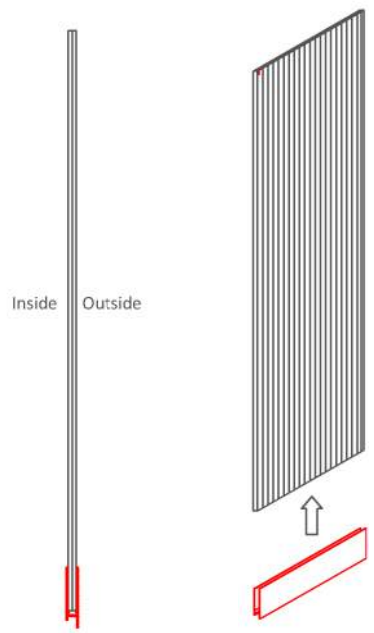



## PRO TIPS

*Have one person working outside the greenhouse and one on the inside to help fit the polycarbonate panels into the Ridge.*

*Typical Polycarbonate (Roof)*

*Square Cut on top.*

*Square Cut on bottom.*

*WARNINGS*
- DO NOT STORE POLYCARBONATE PANELS IN DIRECT SUNLIGHT-
The Plastic Film can melt onto the panels if they get too hot.
-DO NOT LAY POLYCARBONATE PANELS DIRECTLY ON THE GRASS-
Doing so can burn / kill the grass

*Due to circumstances beyond our control, the polycarbonate may not have Blue Film identifying the outside surface. In this situation, the outside surface will by identified with Text.*

*On hot days, you may find that the Glazing Foam is too sticky. Spraying the foam with a light soapy water will make installing the Polycarbonate easier.*

*Polycarbonate Panels, Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## Parts List:

*Glazing Caps*

*Glazing Caps (Ripped)*



*h-Channels*

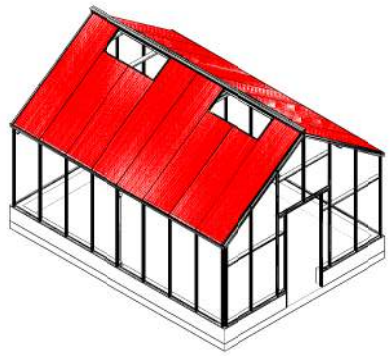


*Twinwall Polycarbonate Panels*



*#8 x $\frac{5}{8}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 15B: ROOF GLAZING - (6MM TWINWALL POLYCARBONATE)

*STEPS:*
5.INSERT THE TOP OF THE POLYCARBONATE PANEL INTO THE RIDGE.
6. INSERT THE H-CHANNEL AT THE BOTTOM OF THE PANEL INTO THE GUTTER.

REPEAT

7. INSERT THE TOP OF THE POLYCARBONATE PANEL INTO THE VENT FRAME BOTTOM.
8. REPEAT STEP 6.

REPEAT

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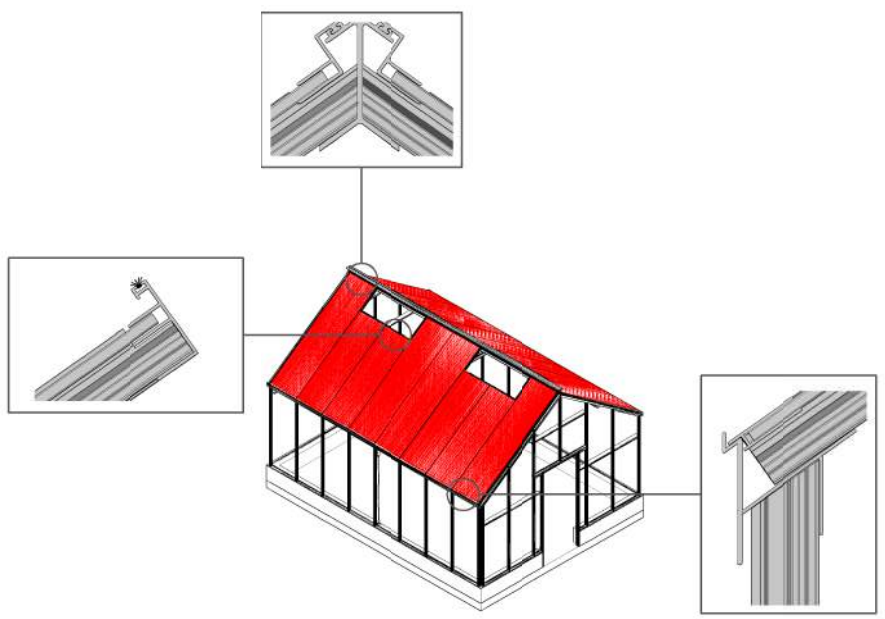

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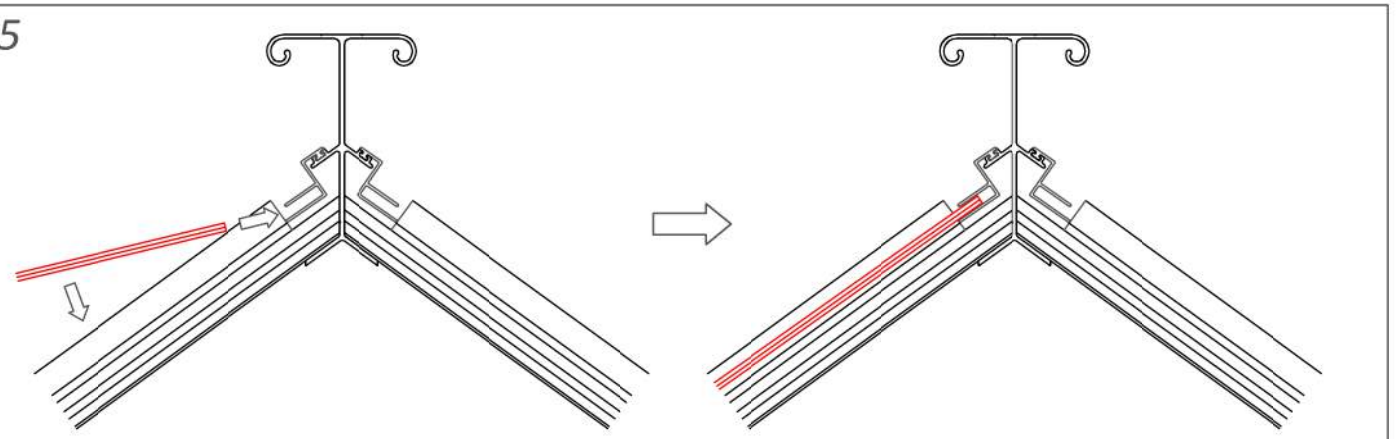

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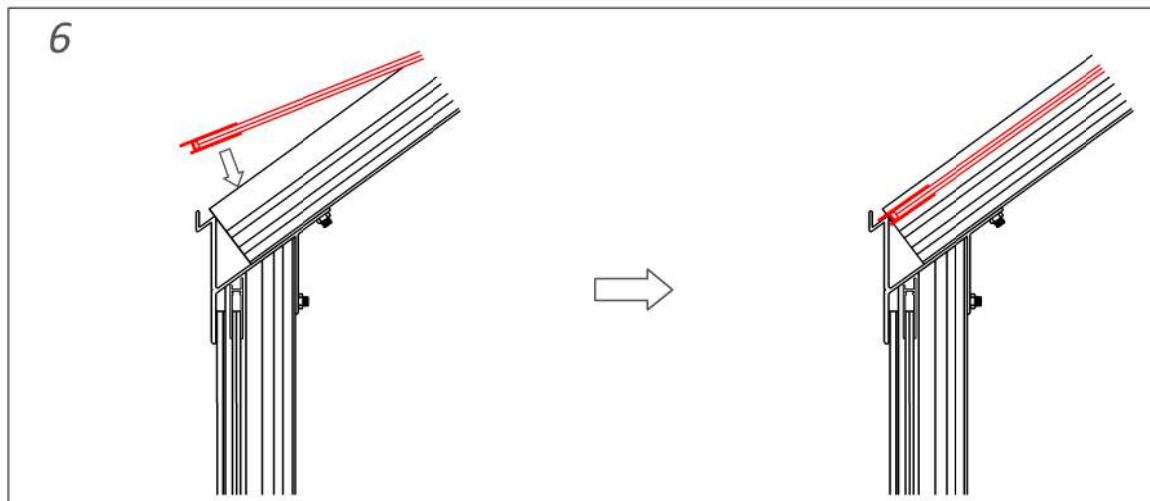

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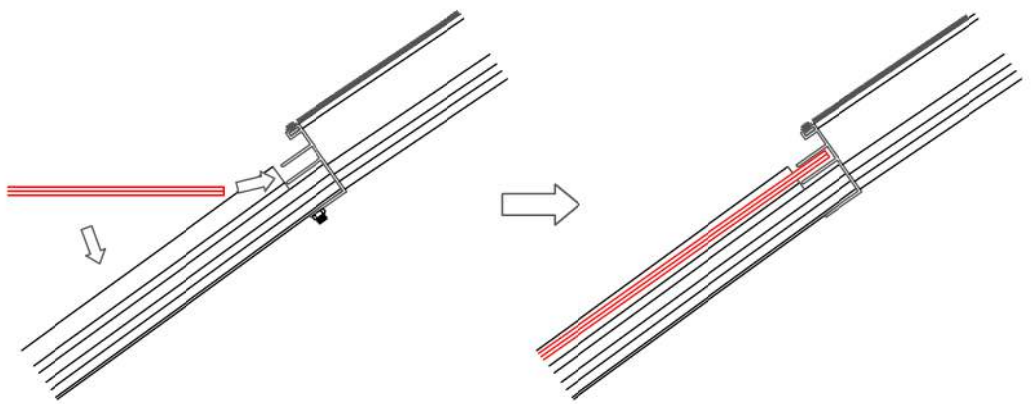

### PRO TIPS

*Have one person working outside the greenhouse and one on the inside to help fit the polycarbonate panels into the Ridge.*

*Typical Polycarbonate (Roof)*

*Square Cut on top.*

*Square Cut on bottom.*

### *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*



*Twinwall Polycarbonate Panels*



*#8 x $\frac{5}{8}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

## STAGE 15C: ROOF END CAPS- (6MM TWINWALL POLYCARBONATE)

*STEPS:*

9. LAY THE RIPPED CAP ON THE END GLAZING BAR AND TUCK BENEATH THE END RAFTER.(CAP SHOULD SIT TIGHT TO THE GUTTER)
10. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

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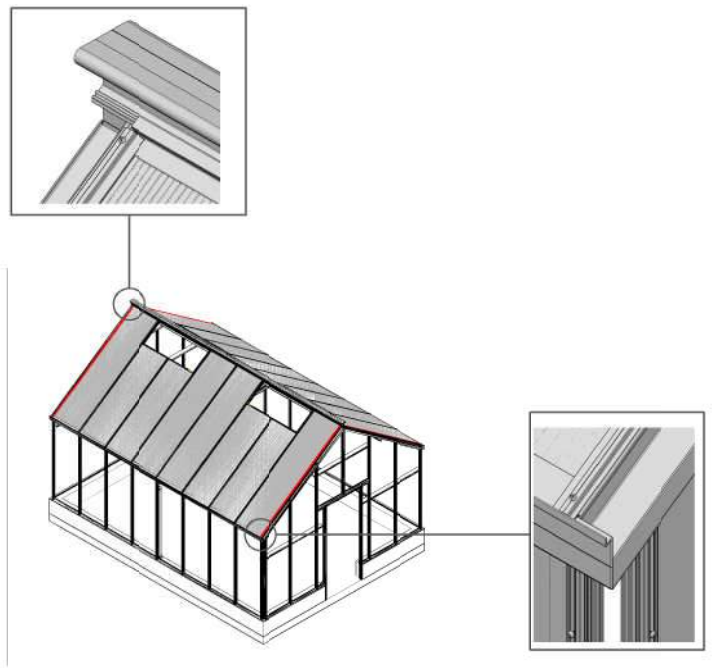

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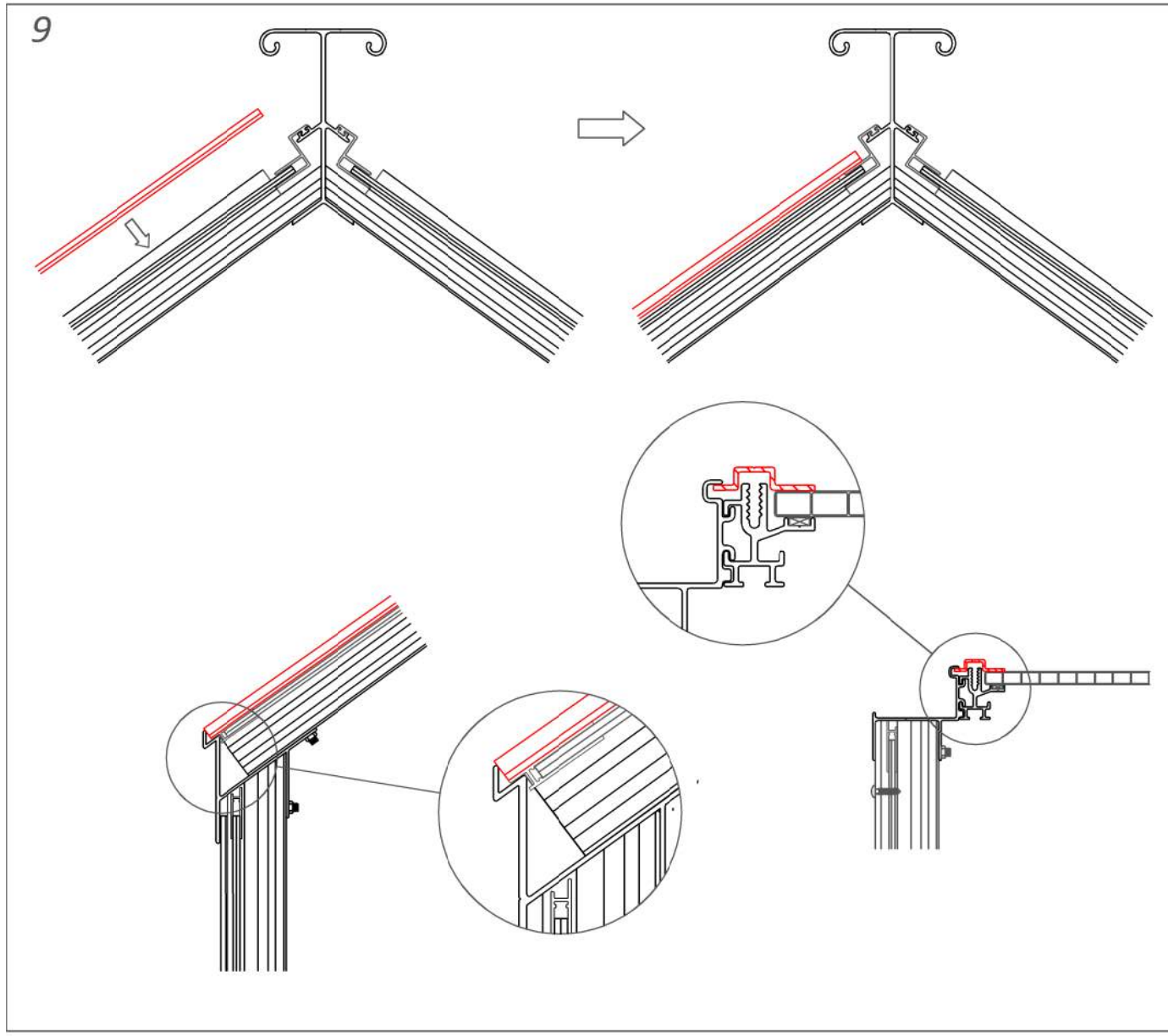

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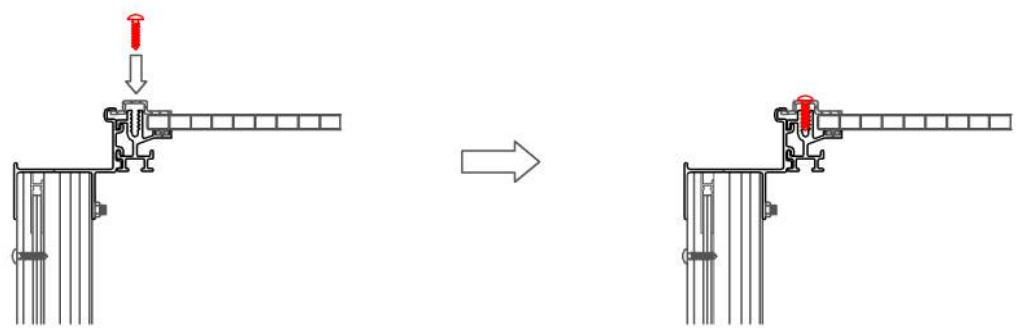
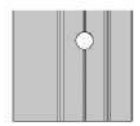


*Typical Ripped Glazing Cap (Roof)*

*Square Cut on top.*



*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

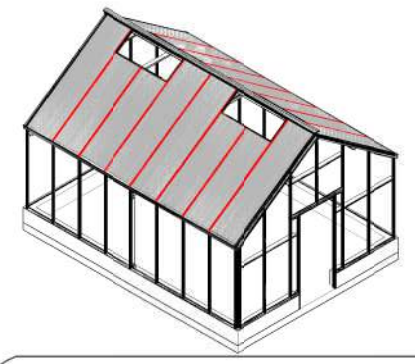


*Twinwall Polycarbonate Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

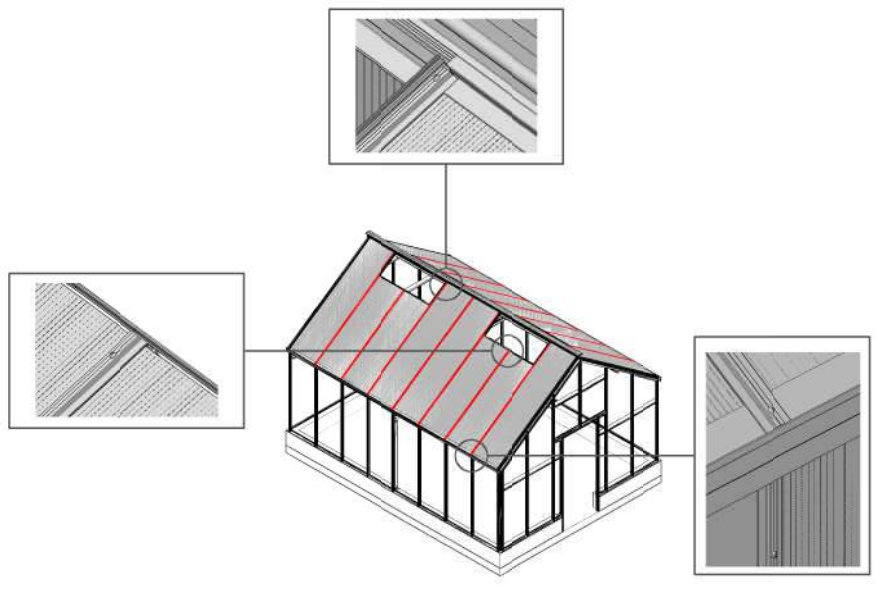


# STAGE 15D: ROOF GLAZING - (6MM TWINWALL POLYCARBONATE)

*STEPS:*

11. LAY THE CAP ON THE GLAZING BAR (CAP SHOULD SIT TIGHT TO THE GUTTER)
12. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING ROOF CAPS



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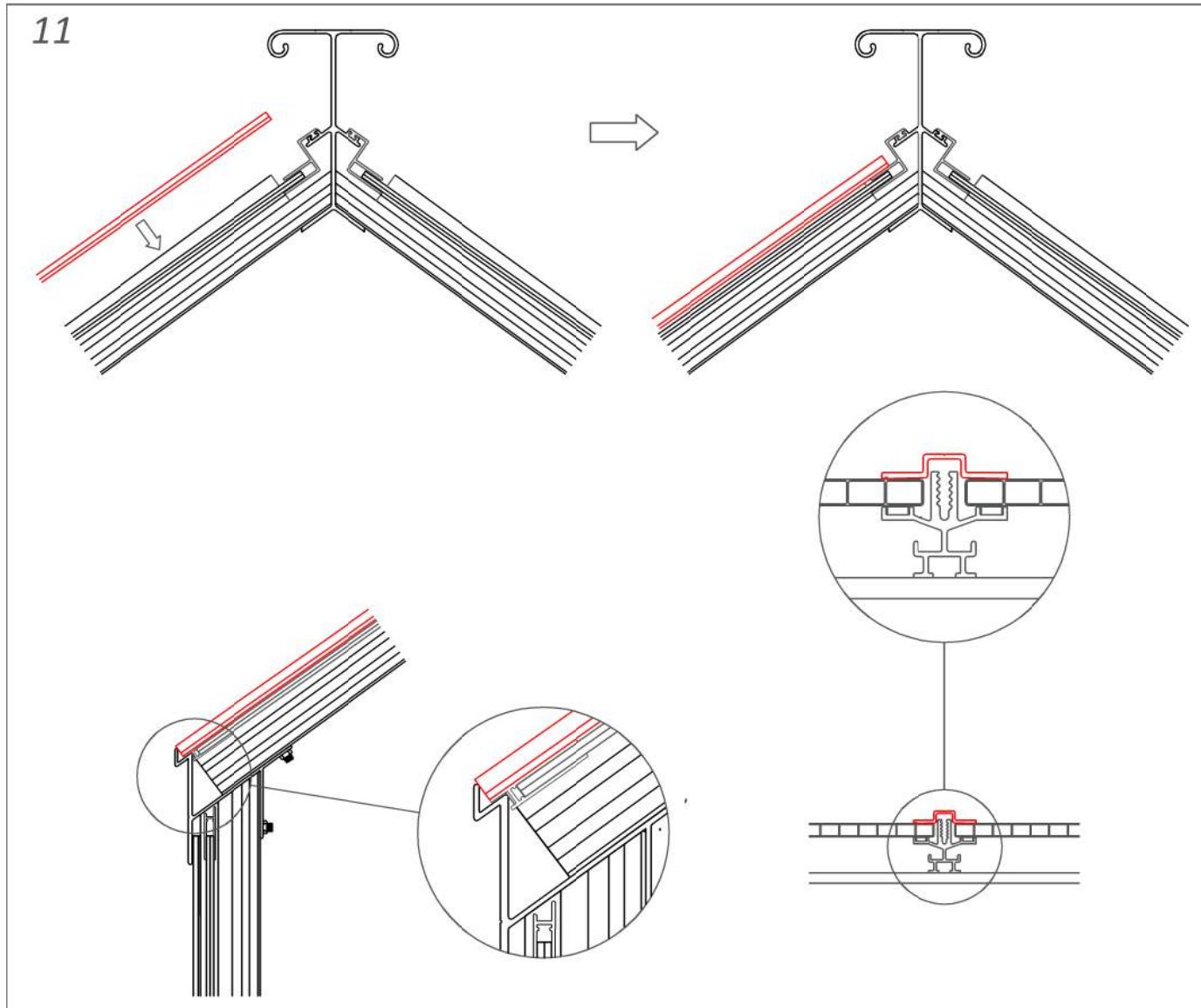

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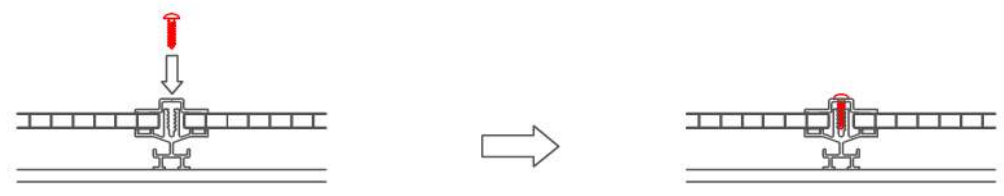


*Typical Glazing Cap (Roof)*

*Square Cut on top.*

*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

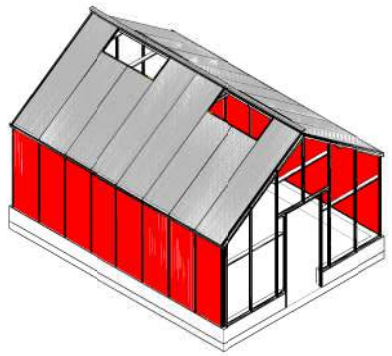


*Twinwall Polycarbonate Panels*

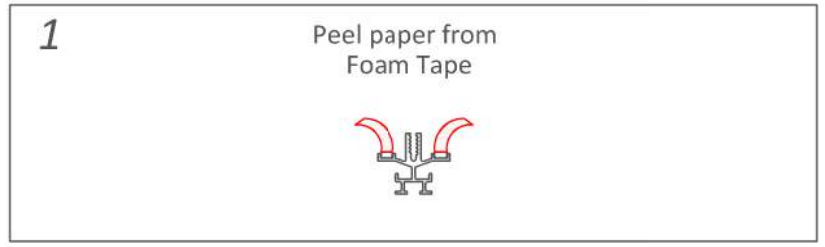


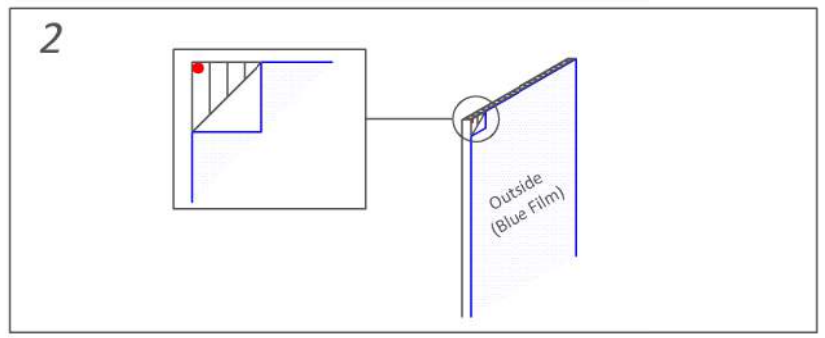
*#8 x 5/8" S.S. Screws*

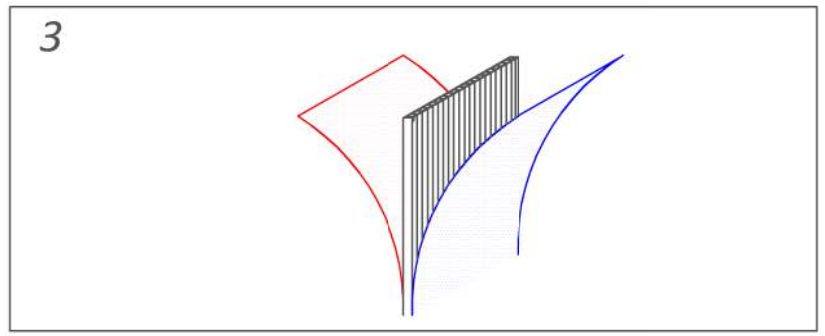
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

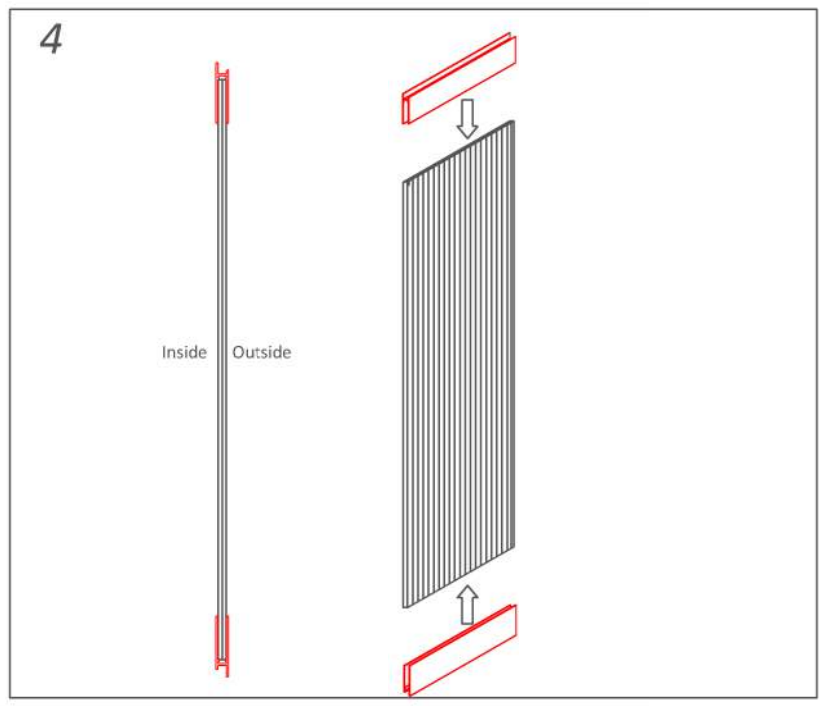


# STAGE 16A: SIDE WALL GLAZING - (6MM TWINWALL POLYCARBONATE)




*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. MARK ONE OUTSIDE CORNER OF THE POLYCARBONATE PANEL WITH A FELT PEN.
3. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL.
4. PLACE THE H-CHANNEL ONTO THE TOP & BOTTOM OF A POLYCARBONATE PANEL

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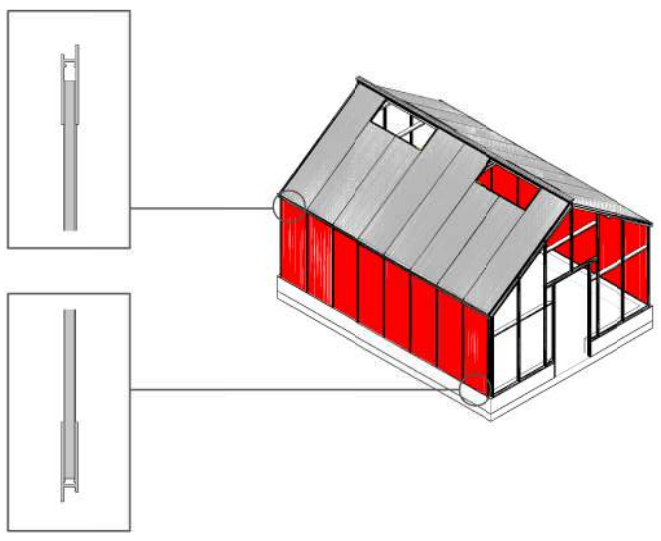
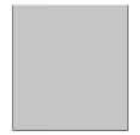


## PRO TIPS

*Marking the top outside corner of the polycarbonate panel will help you to identify the outside surface once the film is pealed..*

*Typical Polycarbonate (Side Wall)*

*Square Cut on top.*



*Square Cut on bottom.*

*WARNINGS*
- DO NOT STORE POLYCARBONATE PANELS IN DIRECT SUNLIGHT-
The Plastic Film can melt onto the panels if they get too hot.
-DO NOT LAY POLYCARBONATE PANELS DIRECTLY ON THE GRASS-
Doing so can burn / kill the grass

*Due to circumstances beyond our control, the polycarbonate may not have Blue Film identifying the outside surface. In this situation, the outside surface will by identified with Text.*

*On hot days, you may find that the Glazing Foam is too sticky. Spraying the foam with a light soapy water will make installing the Polycarbonate easier.*

*Polycarbonate Panels, Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## Parts List:

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

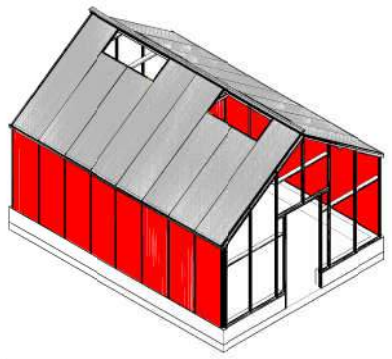


*Twinwall Polycarbonate Panels*



*#8 x $\frac{5}{8}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 16B: SIDE WALL GLAZING - (6MM TWINWALL POLYCARBONATE)

STEPS:

5. SLIP THE TOP OF THE POLYCARBONATE PANEL BENEATH THE GUTTER.
6. PUSH THE BOTTOM OF THE POLYCARBONATE PANEL INTO POSITION.
7. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE GUTTER.

REPEAT FOR ALL SIDE WALL GLAZING

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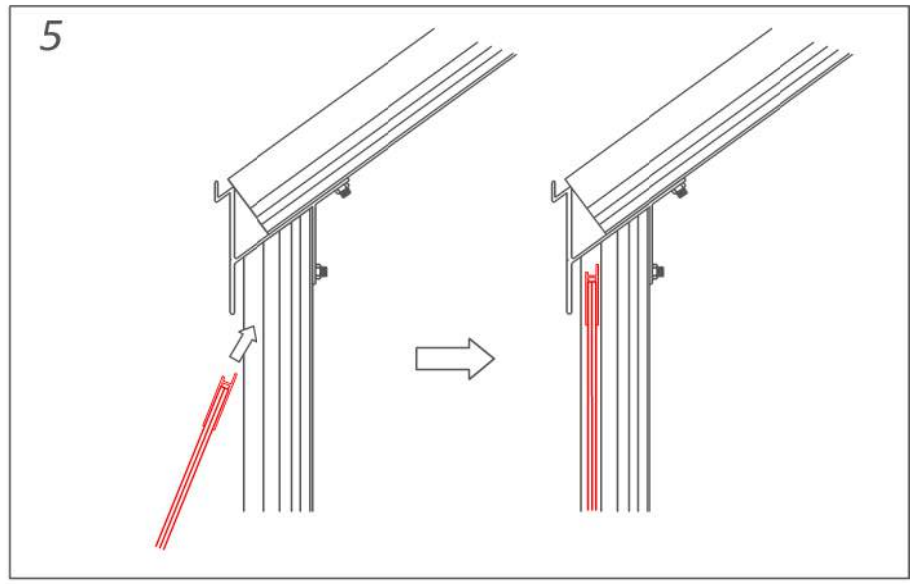

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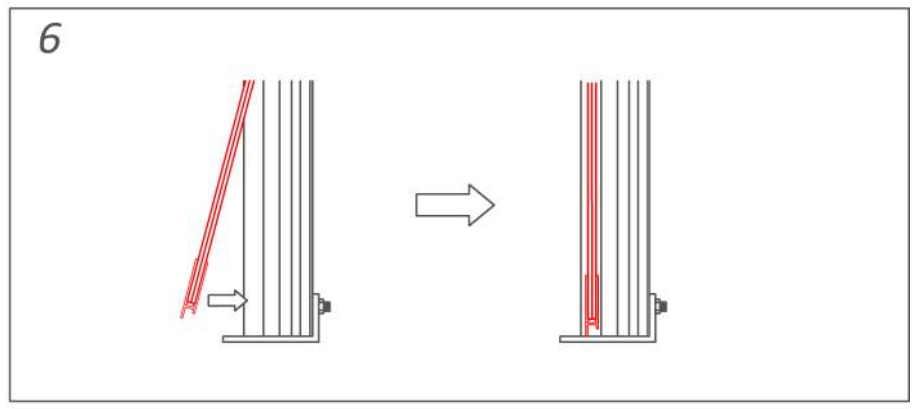

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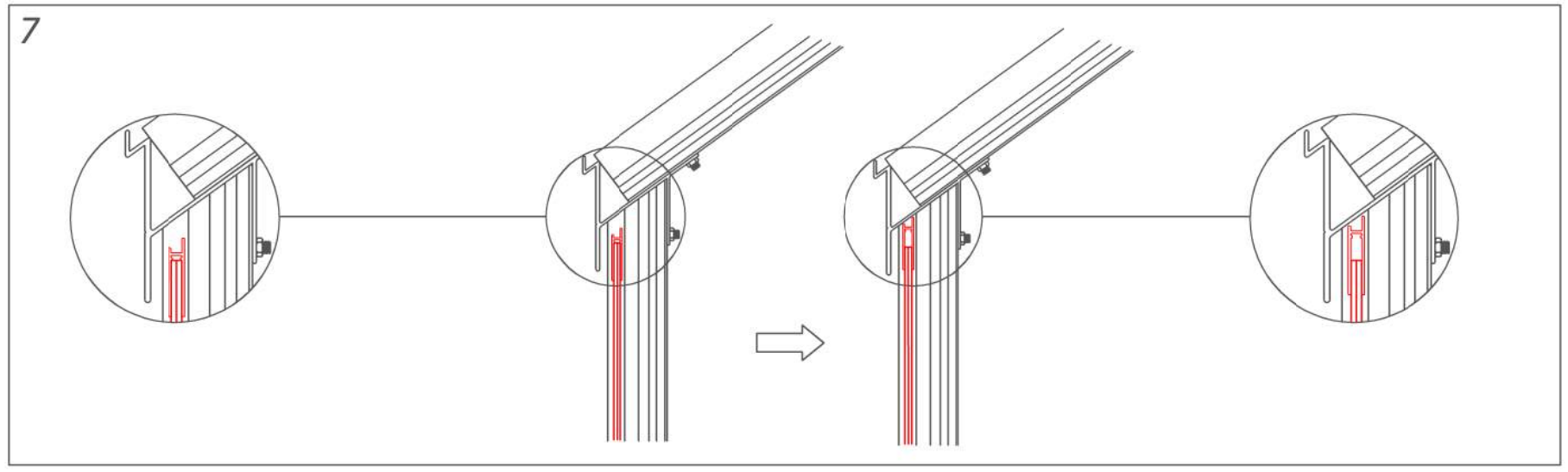
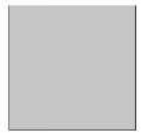


### PRO TIPS

*Start by glazing the 4 corners on the side walls of the greenhouse. This will help to square the frame from front to back. Don't be afraid to shift the Frame as necessary.*

*Typical Polycarbonate (Side Wall)*

*Square Cut on top.*



*Square Cut on bottom.*

### Parts List:

*Glazing Caps*

*Ripped Glazing Caps*

*h-Channels*

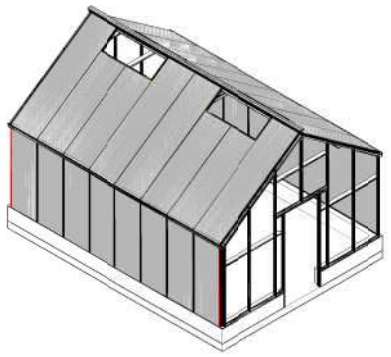


*Twinwall Polycarbonate Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 16C: SIDE WALL CORNER CAPS - (6MM TWINWALL POLYCARBONATE)

STEPS:

8. TUCK THE TOP OF THE RIPPED CAP BENEATH THE GUTTER AND INSIDE THE CORNER POST.
9. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

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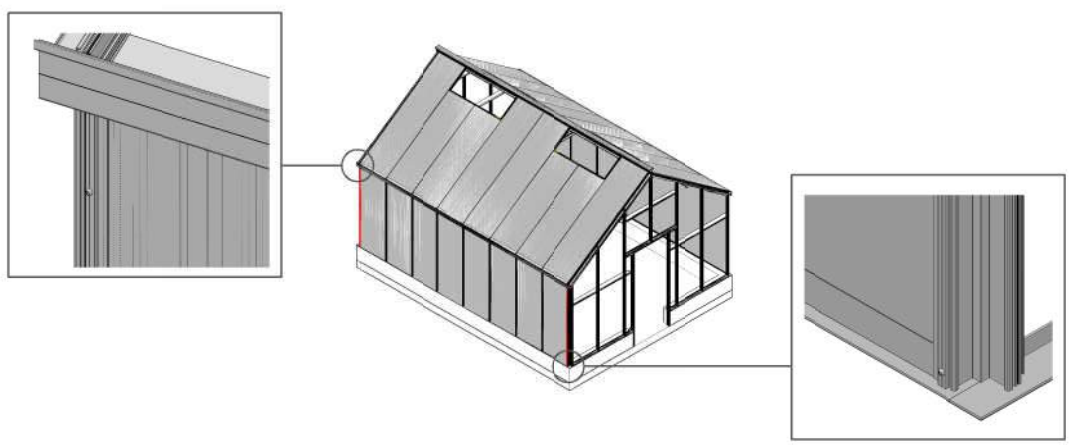

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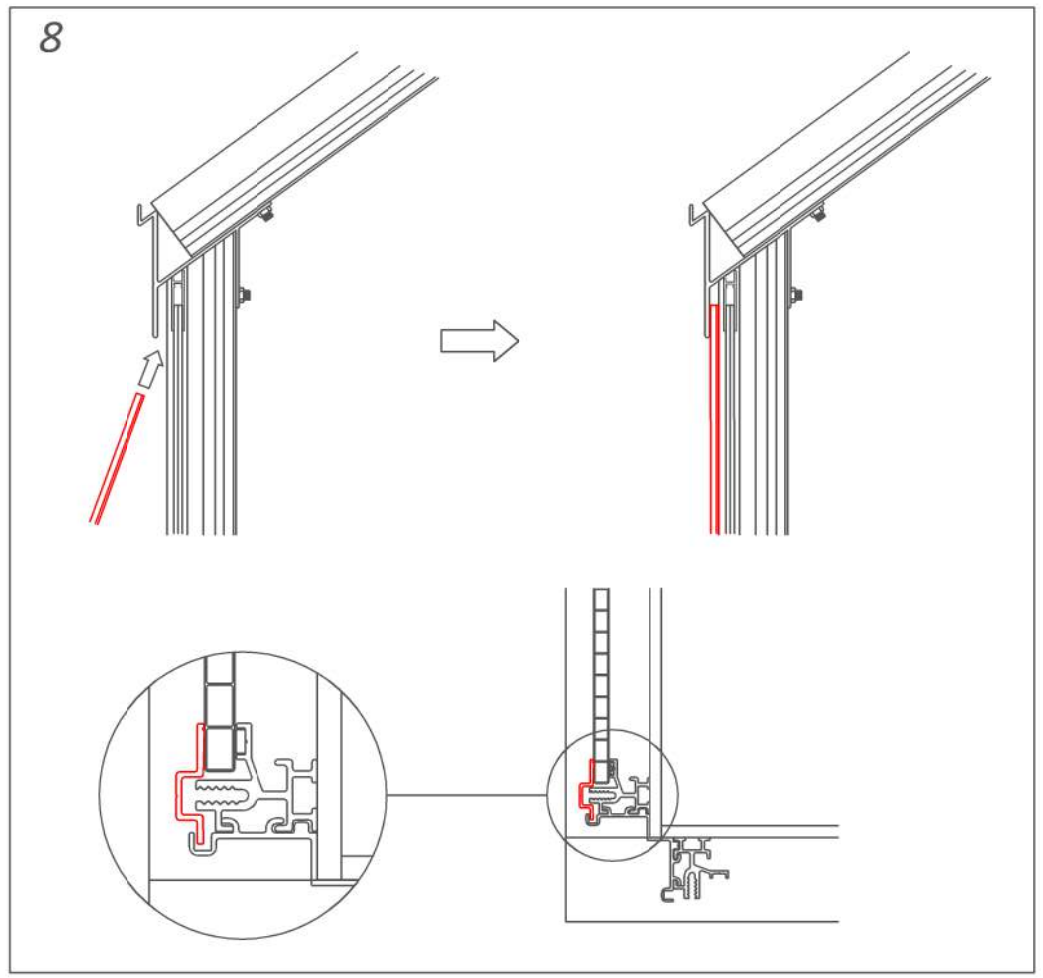

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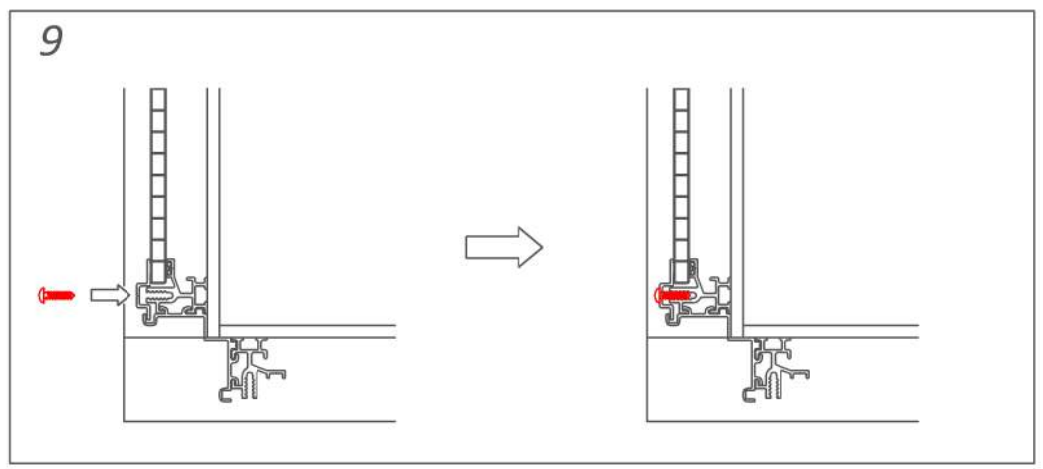
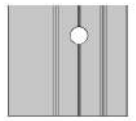


## PRO TIPS

*All Glazing Caps are cut and punched so that the holes will line up horizontally if installed right side up.*

*Typical Ripped Glazing Cap (Side Wall)*

*Square Cut on top.*



*Square Cut on bottom.*

## Parts List:

*Glazing Caps*

*Ripped Glazing Caps*

*h-Channels*

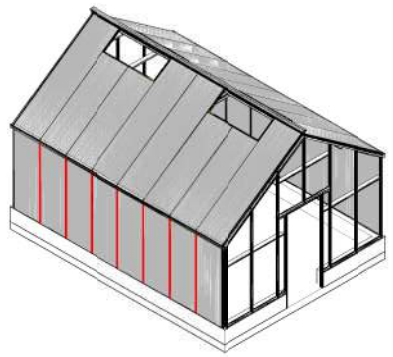


*Twinwall Polycarbonate Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

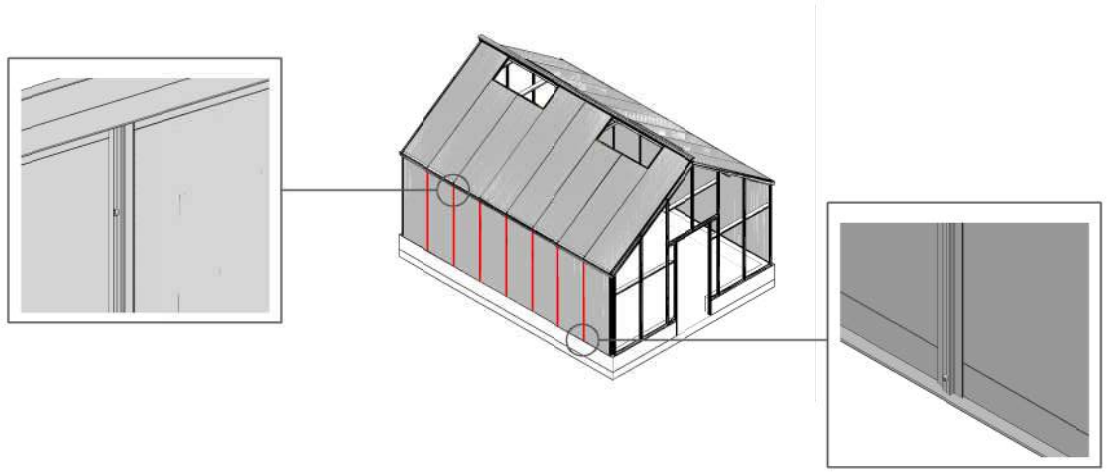


## STAGE 16D: SIDE WALL CAPS - (6MM TWINWALL POLYCARBONATE)

*STEPS:*

10. TUCK THE TOP OF THE CAP BENEATH THE GUTTER.
11. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS



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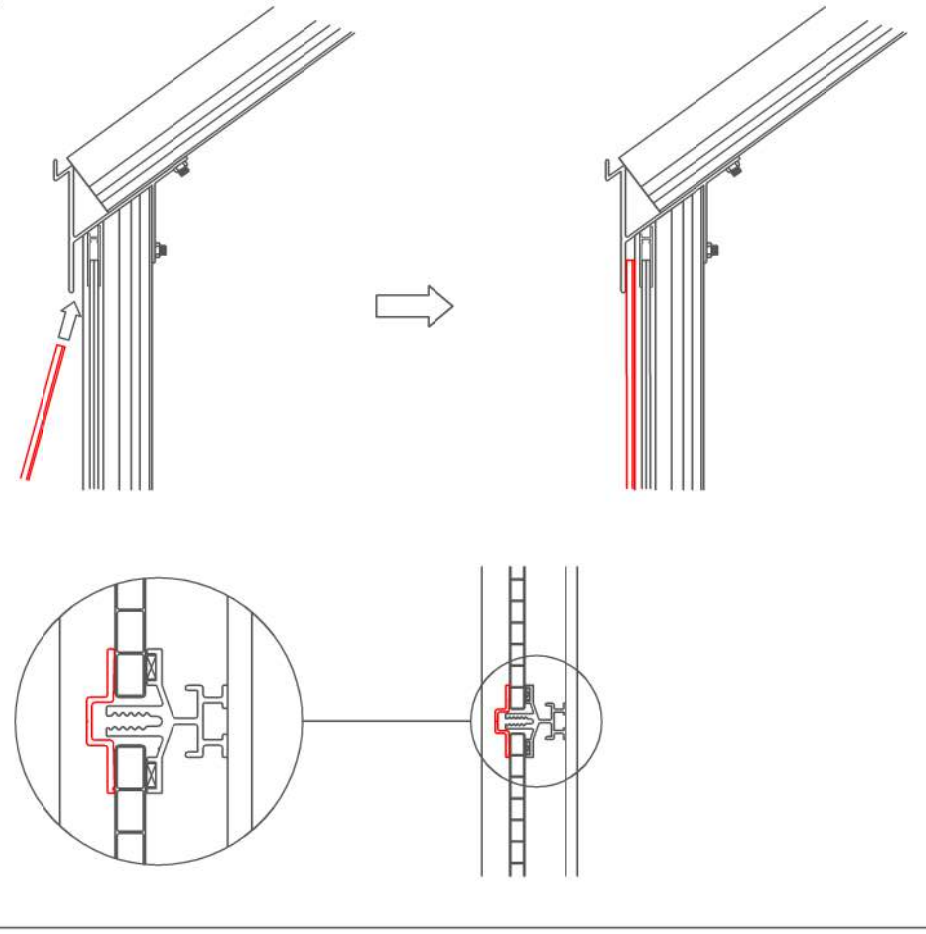

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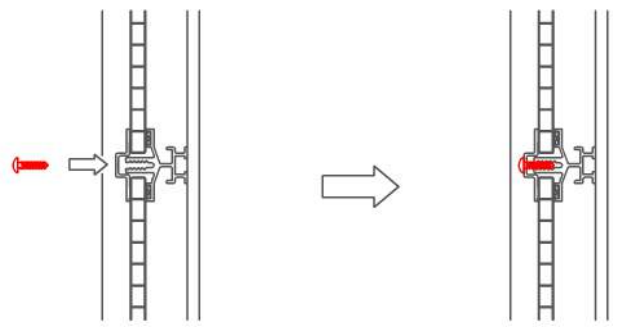


### PRO TIPS

*All Side Wall Caps should sit flush on top of the Base and be tucked underneath the gutter.*

*Typical Glazing Cap (Side Wall)*

*Square Cut on top.*

*Square Cut on bottom.*

### *Parts List:*

*Glazing Caps*

*Ripped Glazing Caps*

*h-Channels*

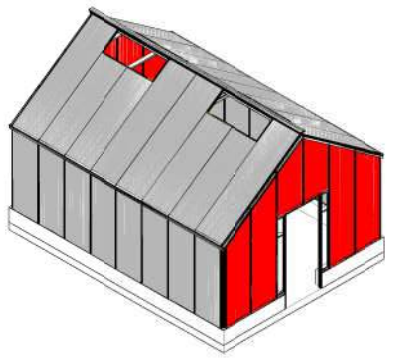


*Twinwall Polycarbonate Panels*



*#8 x $\frac{5}{8}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 17A: GABLE GLAZING - (6MM TWINWALL POLYCARBONATE)

STEPS:
1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE GABLE WALL GLAZING BARS .
2. MARK ONE OUTSIDE CORNER OF THE POLYCARBONATE PANEL WITH A FELT PEN.
3. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL.
4. PLACE THE H-CHANNEL ONTO THE TOP & BOTTOM OF A POLYCARBONATE PANEL

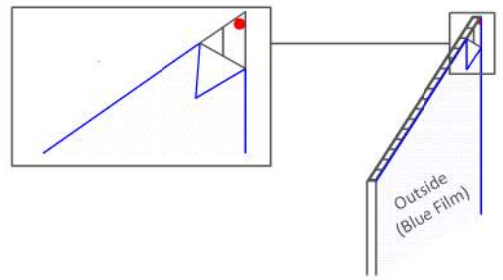
CONTINUE ON NEXT PAGE



1

Peel paper from Foam Tape

2

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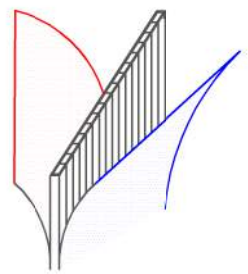

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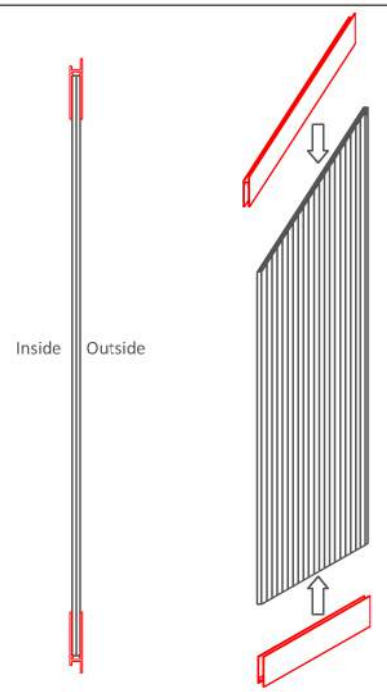
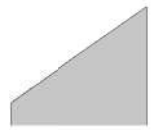



## PRO TIPS

*h-Channels for the top of the Polycarbonate are cut at angle on both ends to match the roof pitch of the greenhouse.*

*Typical Polycarbonate (Gable Wall)*



*Angle Cut Left to Right on top.*

*Square Cut on bottom.*

*Polycarbonate Panels, Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## Parts List:

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

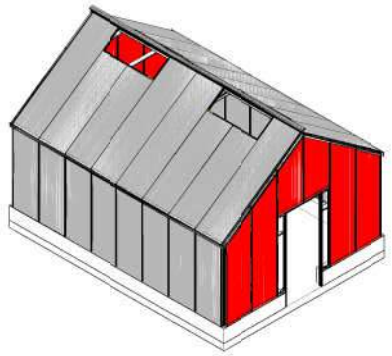


*Twinwall Polycarbonate Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 17B: GABLE GLAZING - (6MM TWINWALL POLYCARBONATE)

*STEPS:*

5. SLIP THE TOP OF THE POLYCARBONATE PANEL BENEATH THE END RAFTER.
6. PUSH THE BOTTOM OF THE POLYCARBONATE PANEL INTO POSITION.
7. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE END RAFTER.

REPEAT FOR ALL ANGLE-CUT GABLE GLAZING

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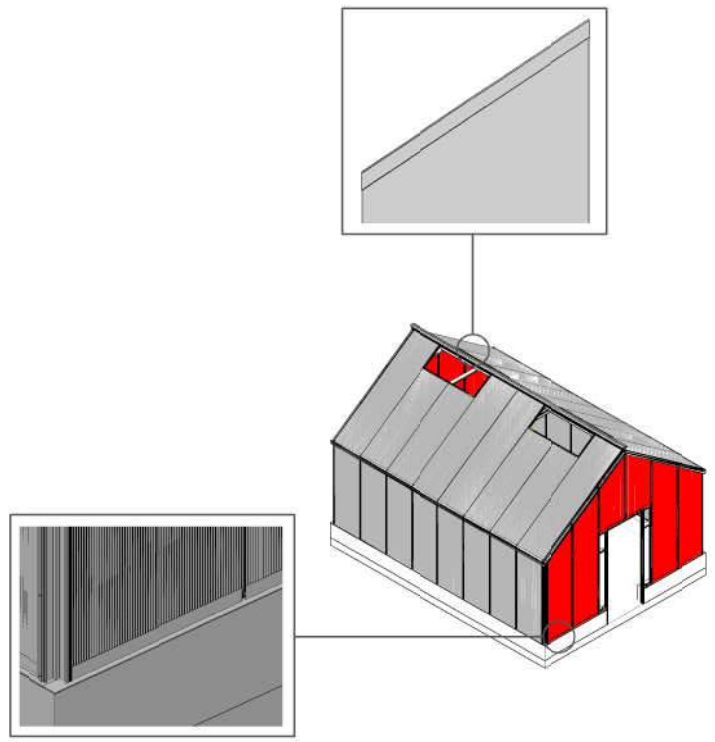

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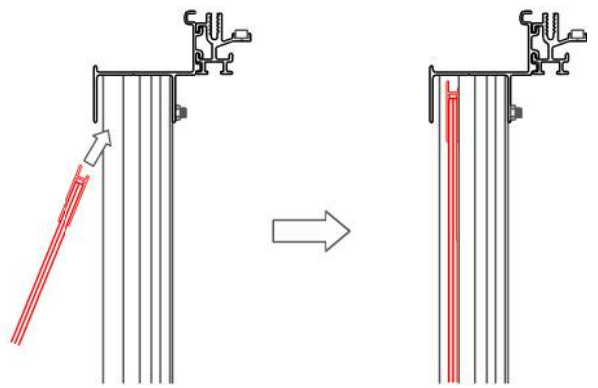

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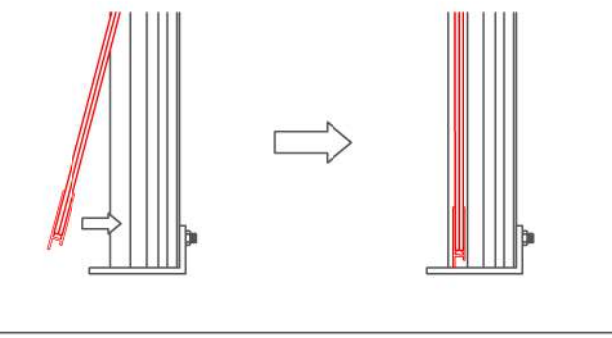

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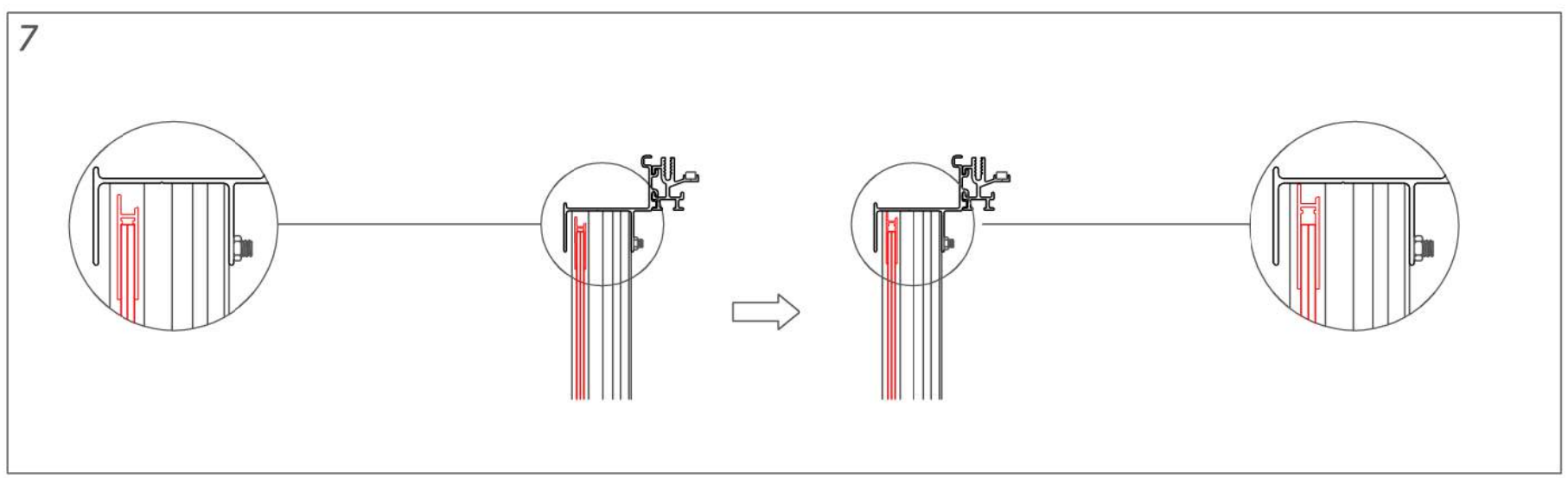
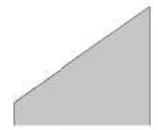


## PRO TIPS

*Start by glazing the 4 corners on the gable walls of the greenhouse. This will help to square the frame from left to right. Don't be afraid to shift the Frame as necessary.*

*Typical Polycarbonate (Gable Wall)*



*Angle Cut Left to Right on top.*

*Square Cut on bottom.*

## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

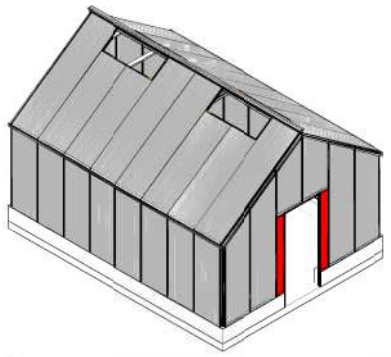


*Twinwall Polycarbonate Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 17C: BESIDE DOOR GLAZING - (6MM TWINWALL POLYCARBONATE)

*STEPS:*

8. PLACE THE H-CHANNELS ONTO THE TOP & BOTTOM OF THE NARROW POLYCARBONATE PANELS INTENDED FOR BESIDE THE DOOR.
9. FILL THE GAP BETWEEN THE BASE AND THE DOOR FRAME WITH CAULKING.
10. SLIP THE POLYCARBONATE PANELS INTO THE TRACK ON THE SIDE OF THE DOOR FRAME & ROTATE INTO POSITION.
11. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE BOTTOM OF THE DOOR HEADER.

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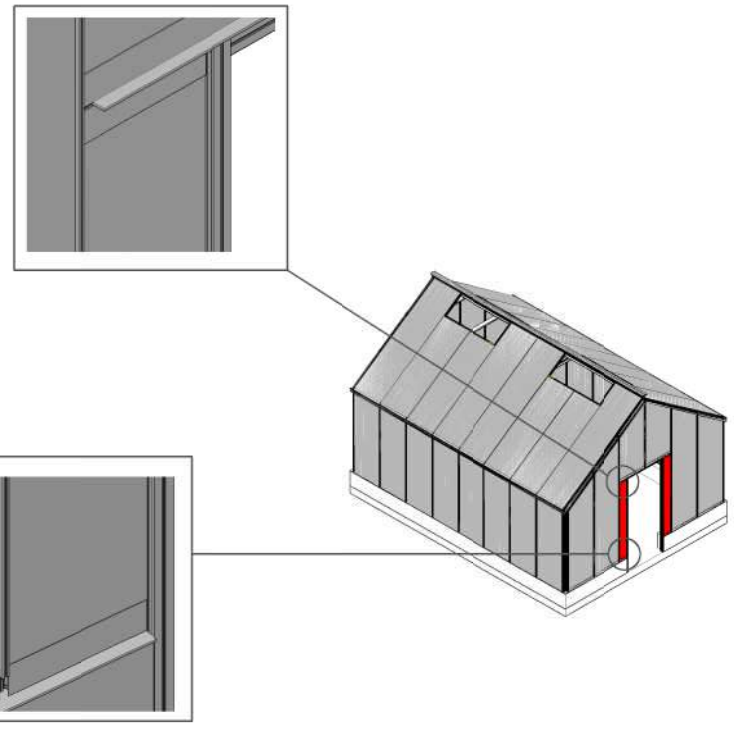

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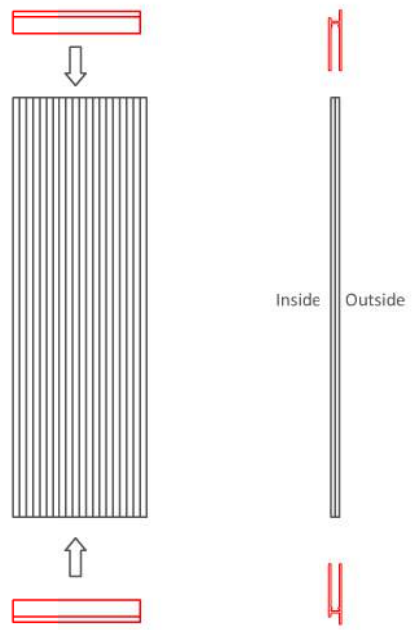


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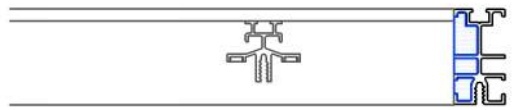

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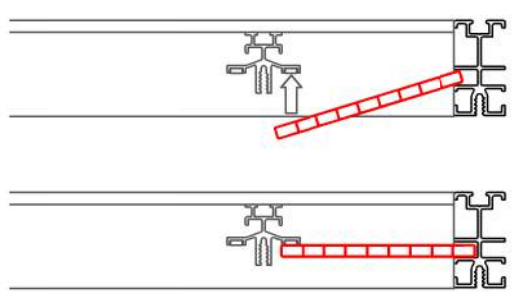

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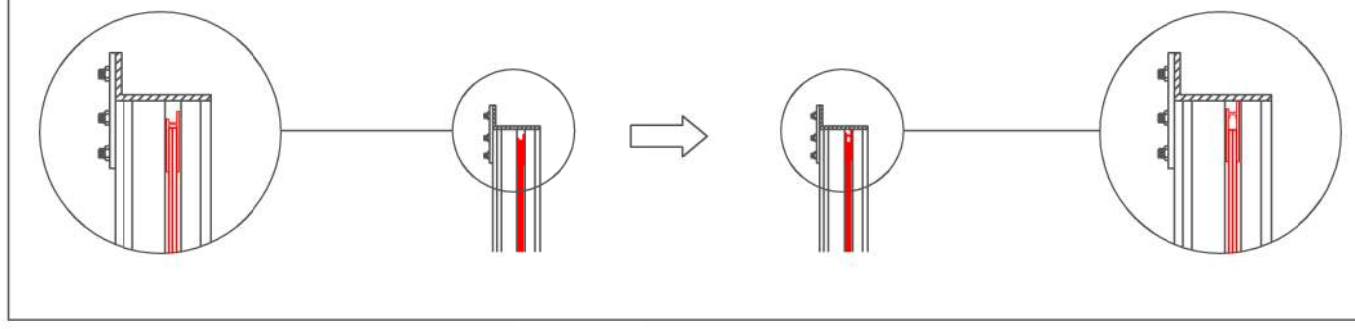


## PRO TIPS

*Marking the top outside corner of the polycarbonate panel will help you to identify the outside surface once the film is pealed..*

*Typical Polycarbonate (Beside Door)*

*Square Cut on top.*

*Square Cut on bottom.*

## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*


*Caulking*



*Twinwall Polycarbonate Panels*

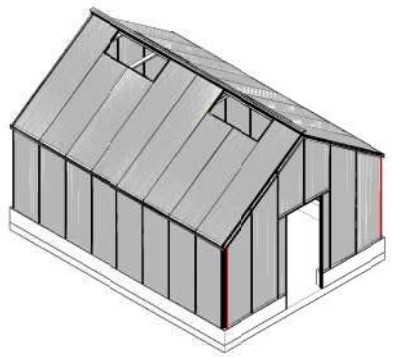


*Twinwall Polycarbonate Panels (Narrow - Beside Door)*



*#8 x $\frac{5}{8}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 17D: GABLE CORNER CAPS - (6MM TWINWALL POLYCARBONATE)

*STEPS:*

12. TUCK THE TOP OF THE RIPPED CAP BENEATH THE END RAFTER AND INSIDE THE CORNER POST.
13. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

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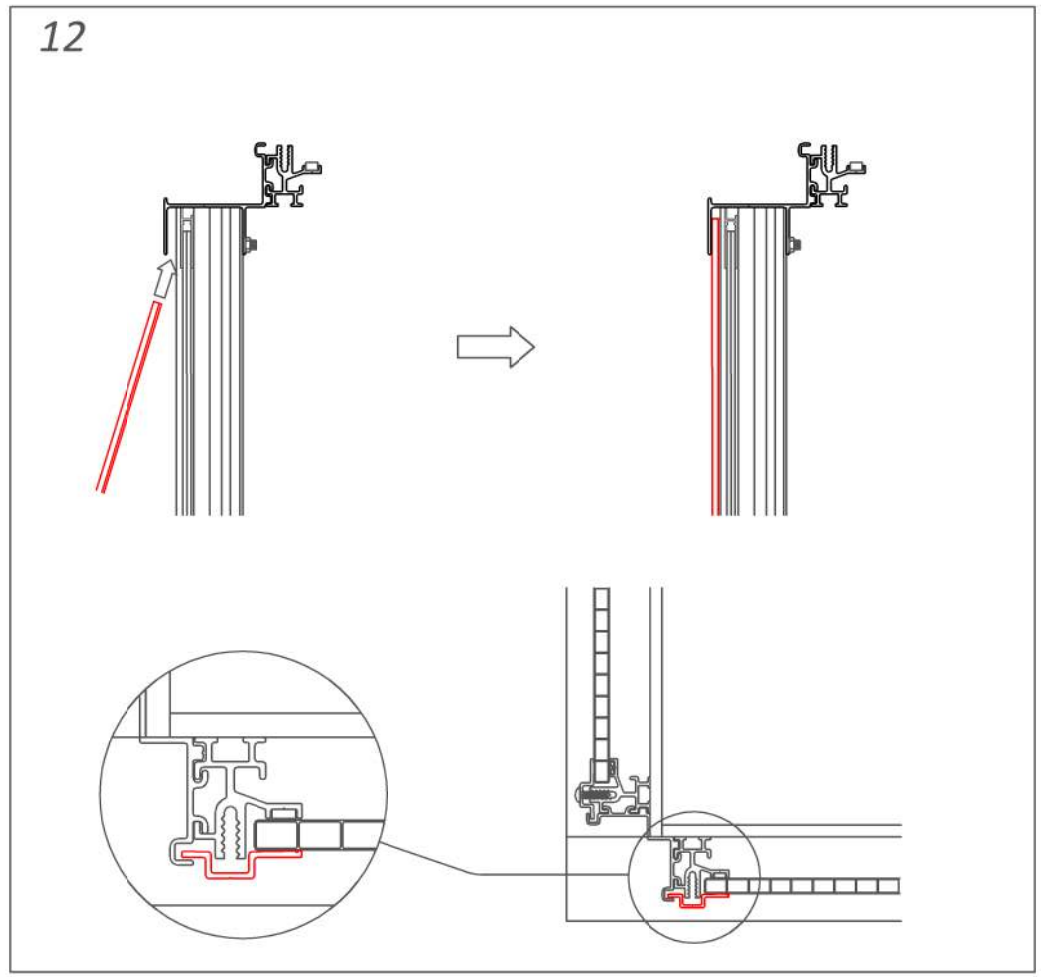
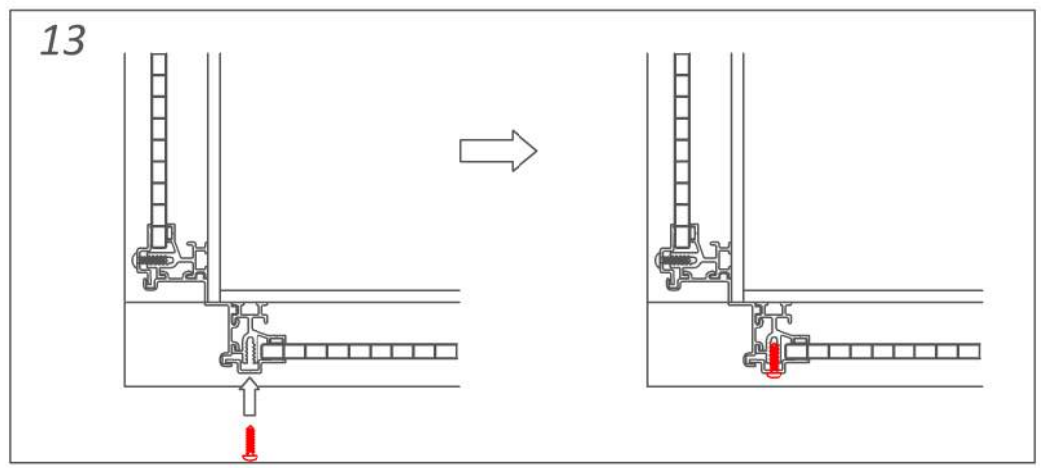
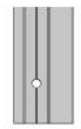


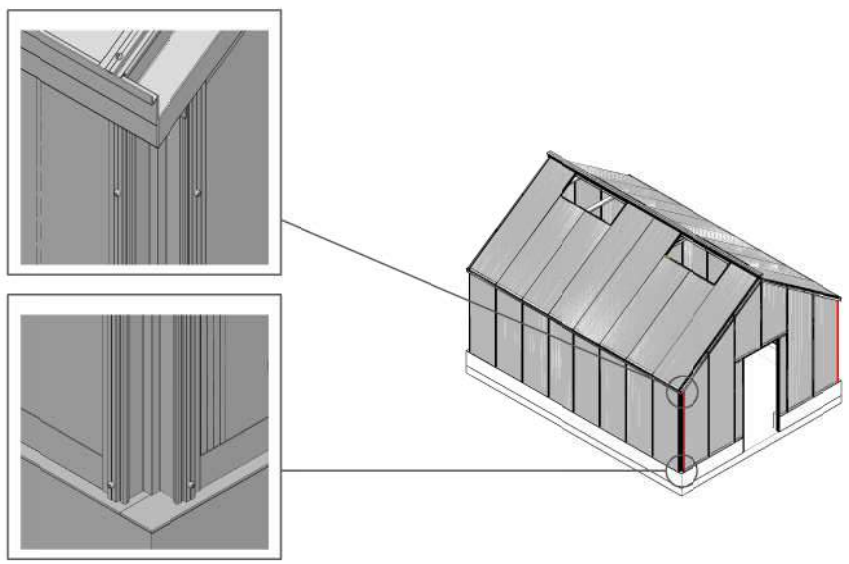




*Typical Ripped Glazing Cap (Gable Wall)*

*Angle Cut Left to Right on top.*



*Square Cut on bottom.*



## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

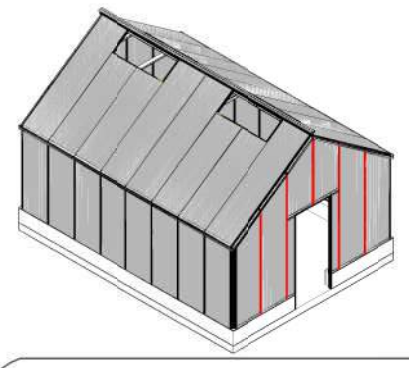


*Twinwall Polycarbonate Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

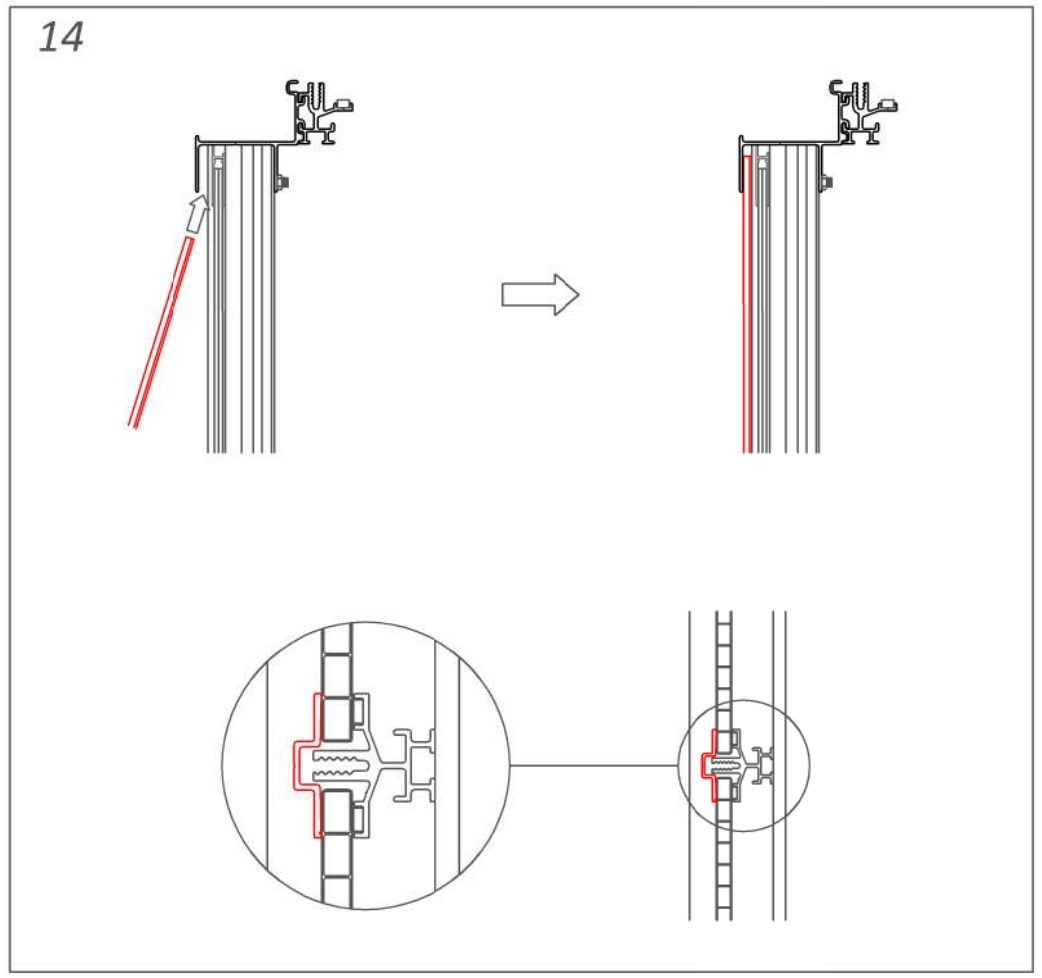


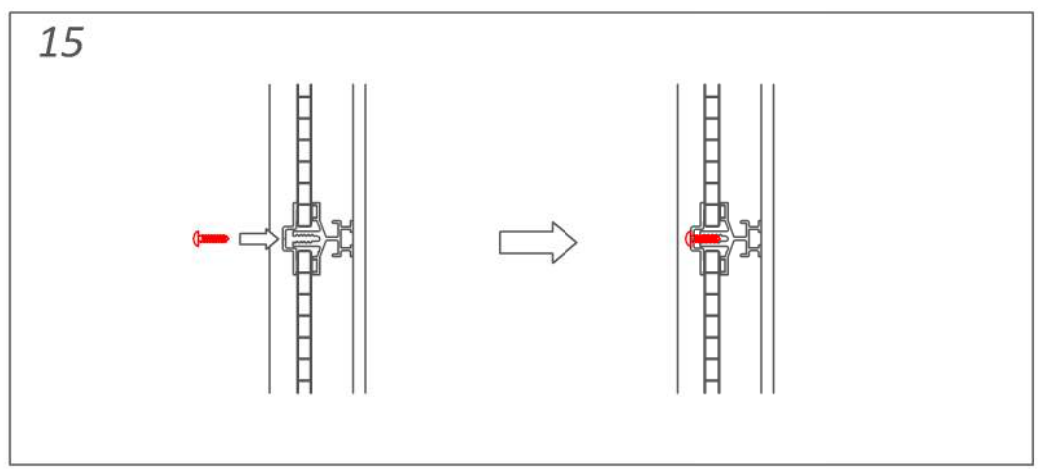
# STAGE 17E: GABLE CAPS - (6MM TWINWALL POLYCARBONATE)

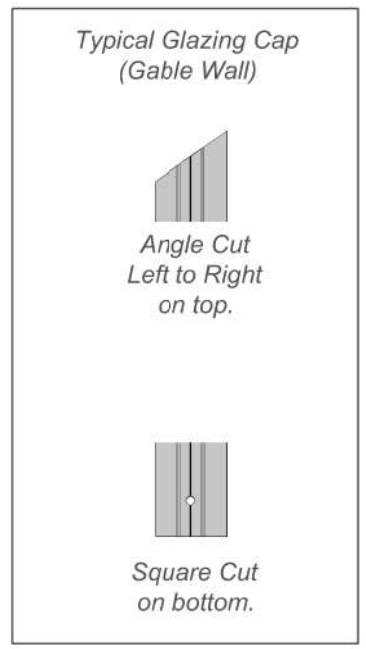
STEPS:

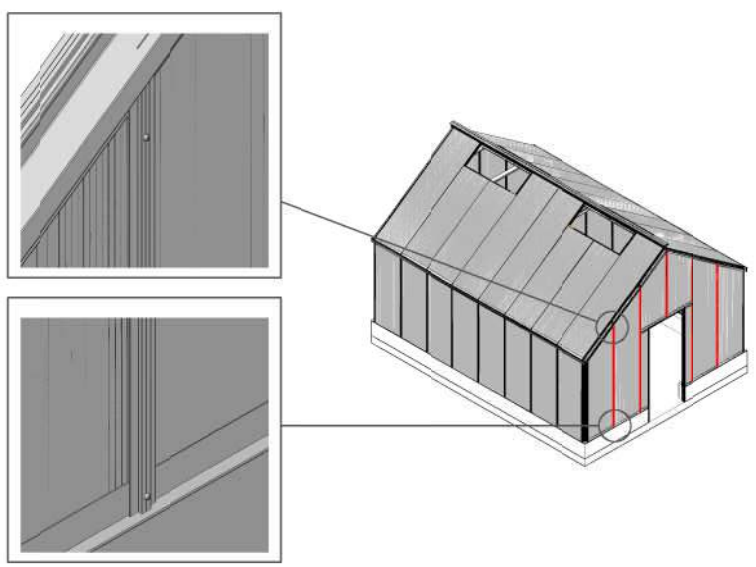
14. TUCK THE TOP OF THE CAP BENEATH THE END RAFTER.
15. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS



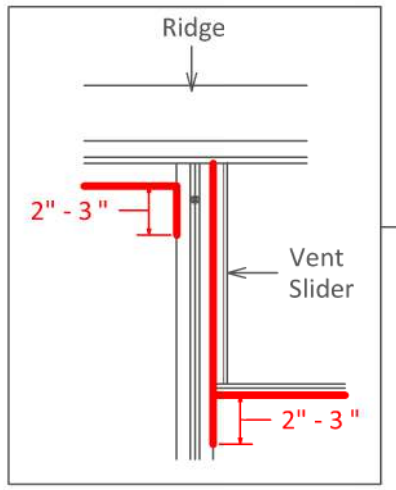



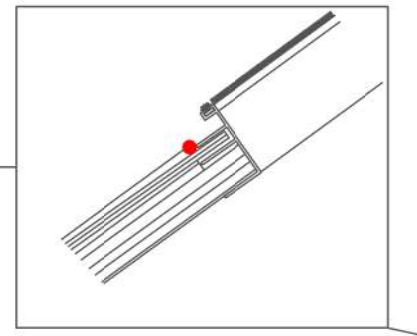
## Parts List:

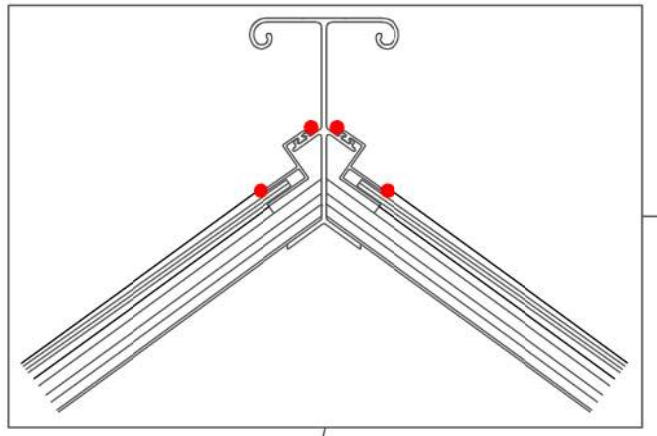

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

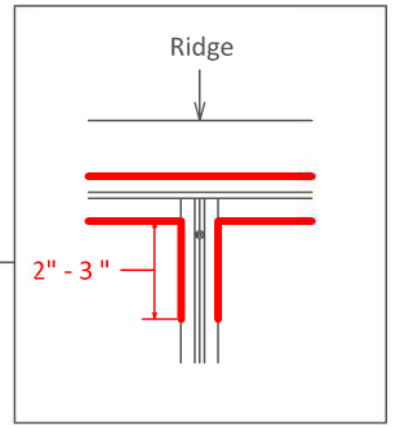
# STAGE 18: SEALING - (6MM TWINWALL POLYCARBONATE)

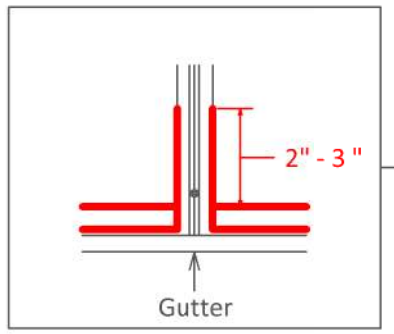
- CLEAR SILICONE (PROGLAZE)
- COLORED CAULKING (TREMCO 830)

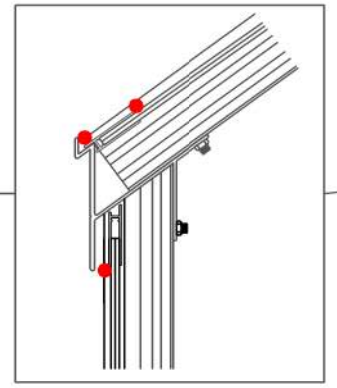


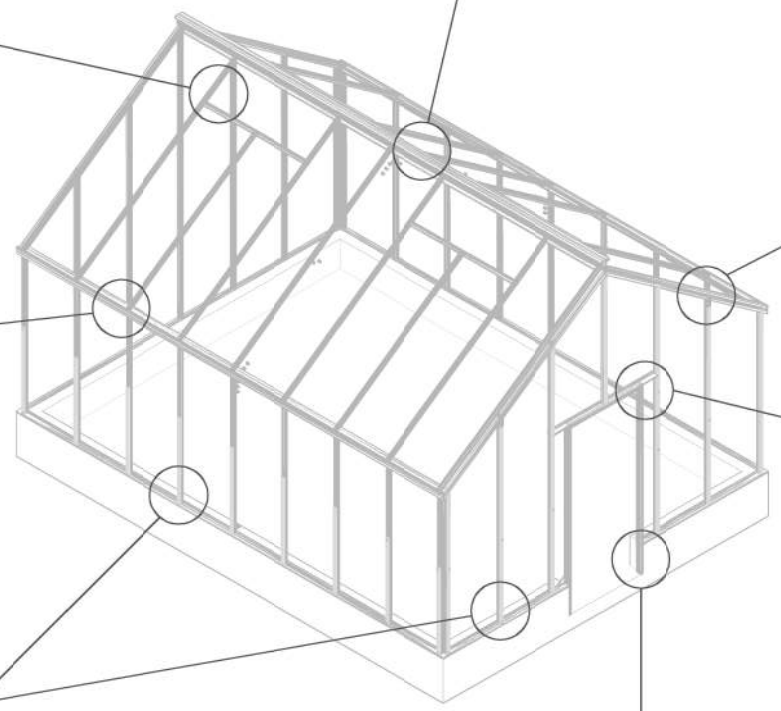



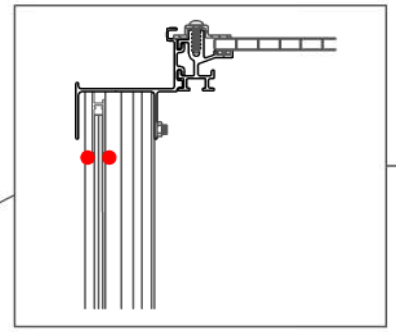


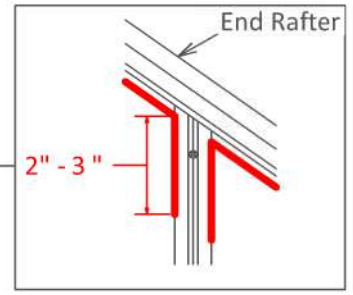


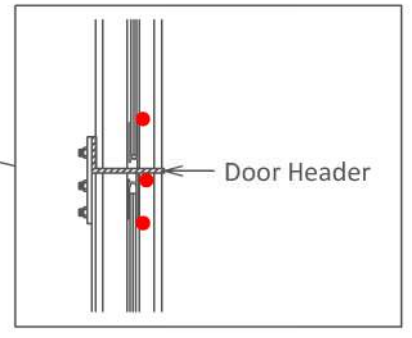



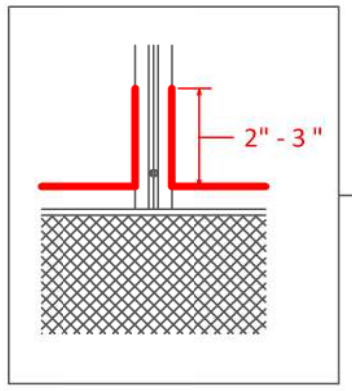



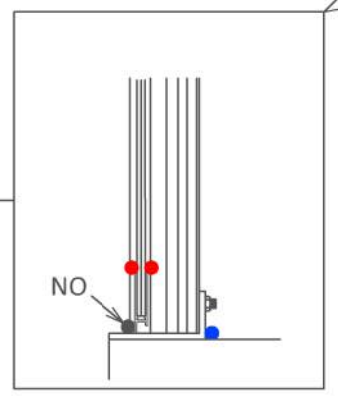


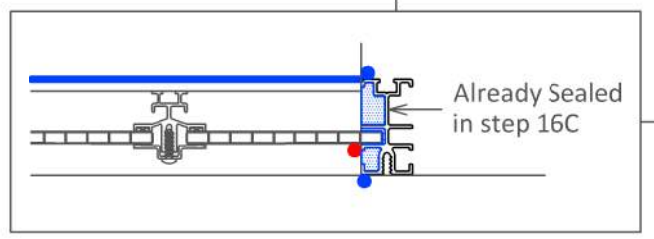


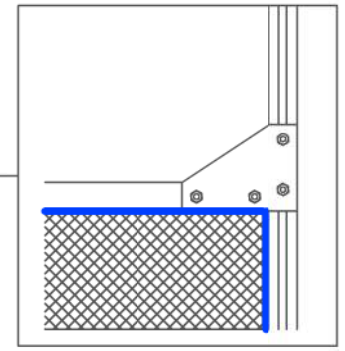


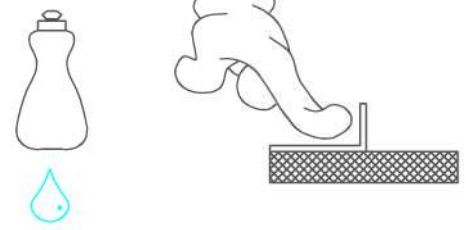



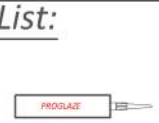


TOOL SEALANTS WITH A SOAPY GLOVED FINGER OR A CAULK-SMOOTHING TOOL.

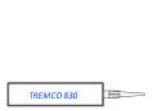
## PRO TIPS

*Sealants are best applied when warm (Room temperature or better)*

## Parts List:




*Silicone*




*Caulking*

*Caulking Gun*

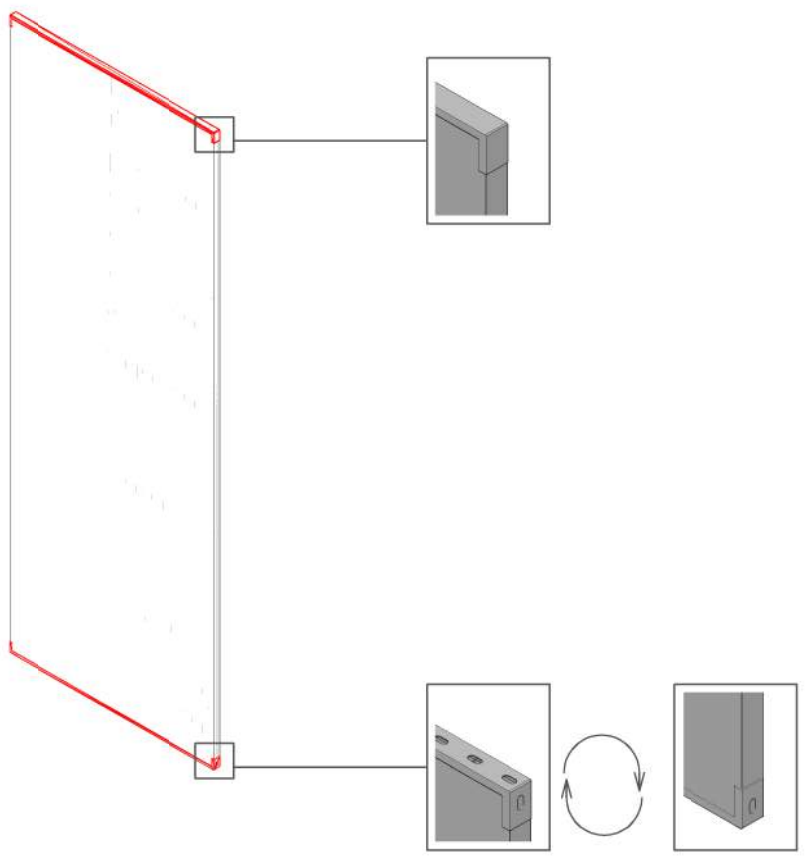
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

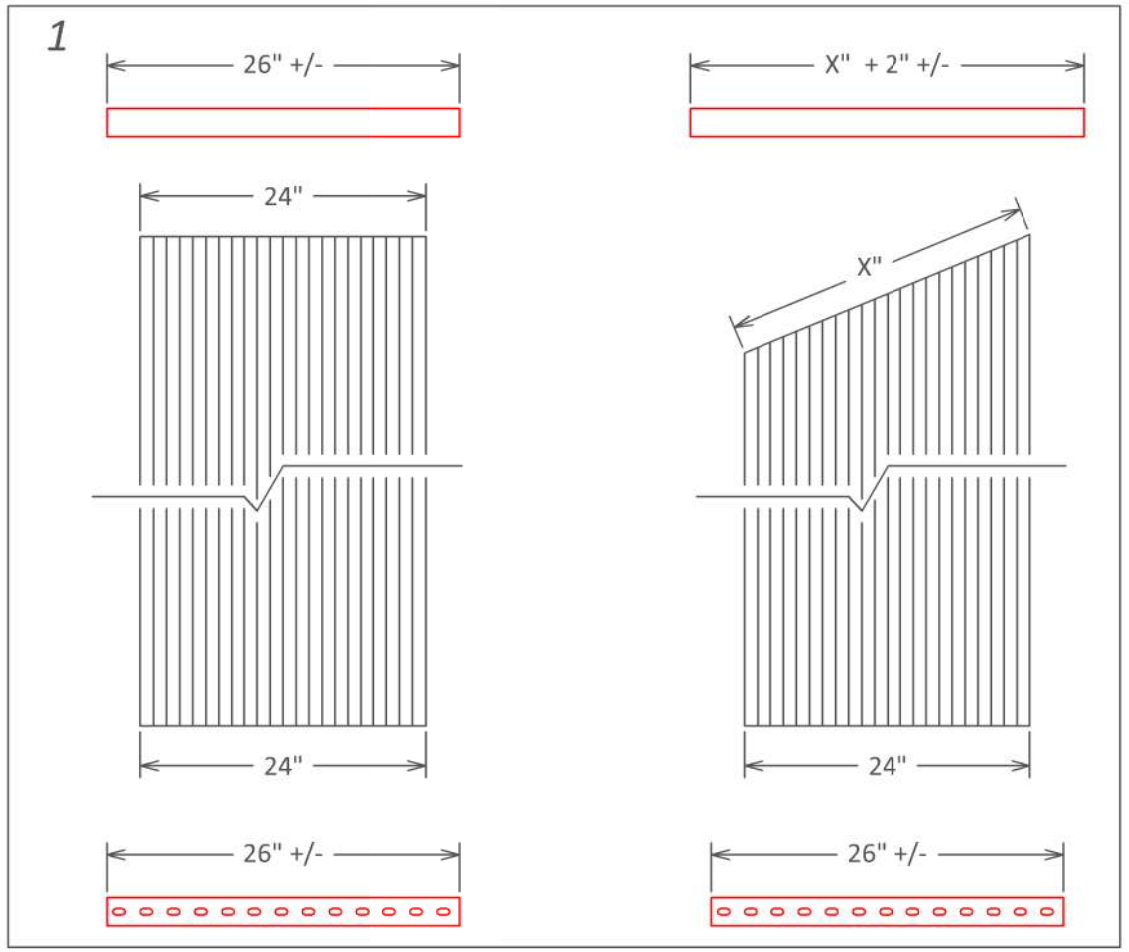
# STAGE 19A: FOIL TAPE - (16MM 5WALL POLYCARBONATE)

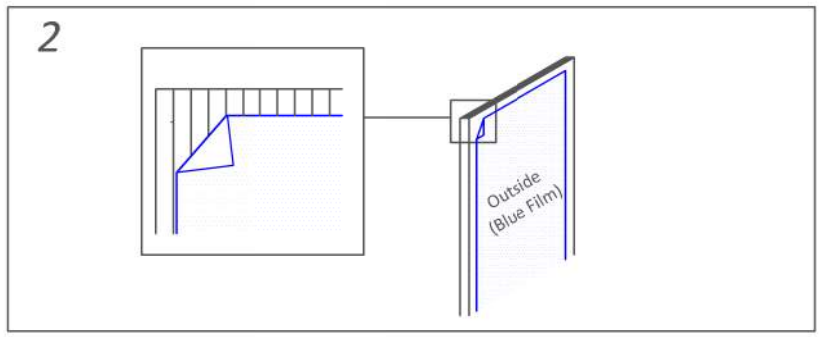
*STEPS:*

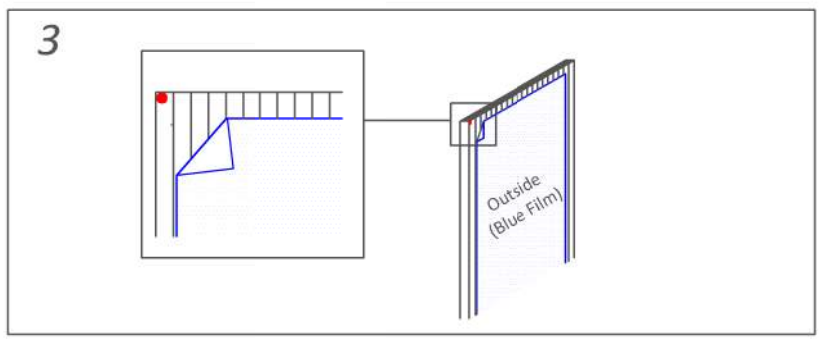
1. CUT SOLID & VENTED FOIL TAPES INTO APPROPRIATE LENGTHS .
2. PEEL THE FILM BACK FROM THE EDGES OF THE POLYCARBONATE PANELS.
3. MARK ONE OUTSIDE CORNER OF THE POLYCARBONATE PANELS WITH A FELT PEN.

CONTINUE ON NEXT PAGE





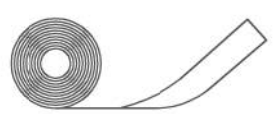



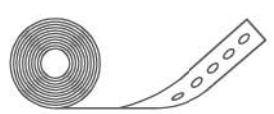

## PRO TIPS

*When marking the corner of the panels, do so as close to the edge of that panel as possible so that the mark is hidden once installed.*

## Parts List:



*Solid Foil Tape*



*Vented Foil Tape*

*5 Wall Polycarbonate Panels*

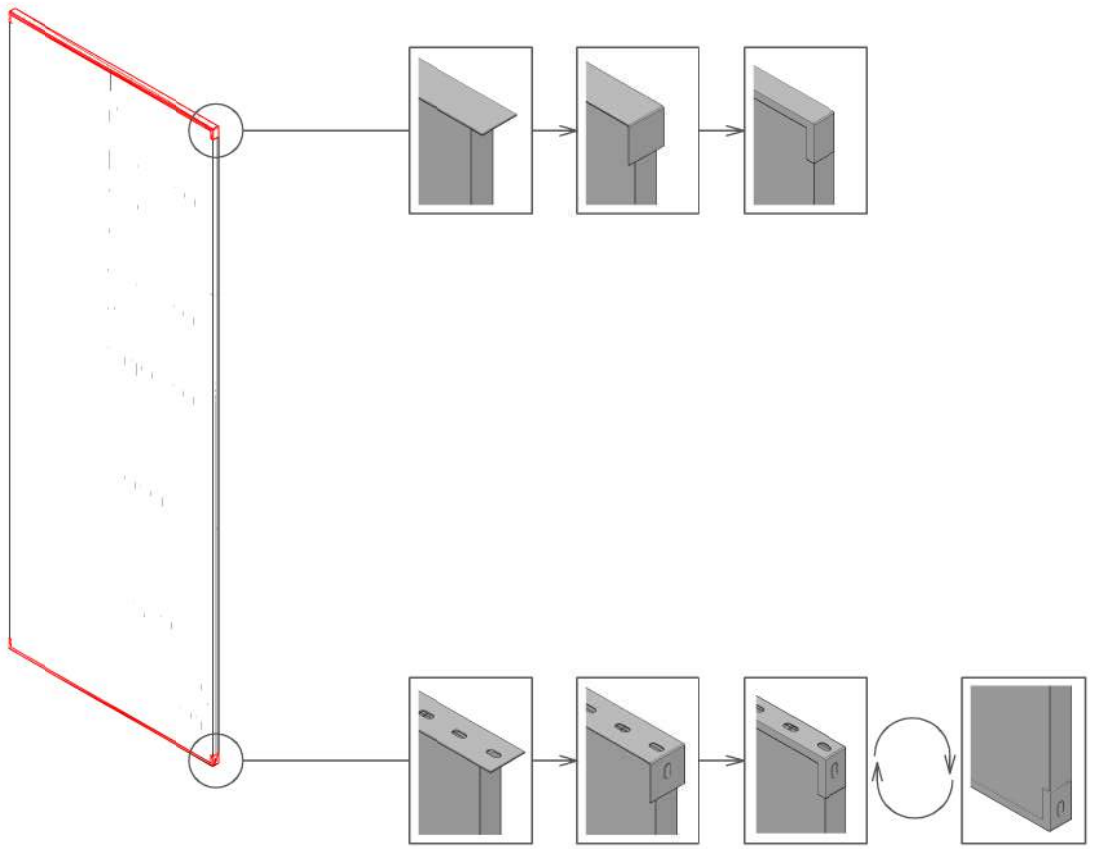
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

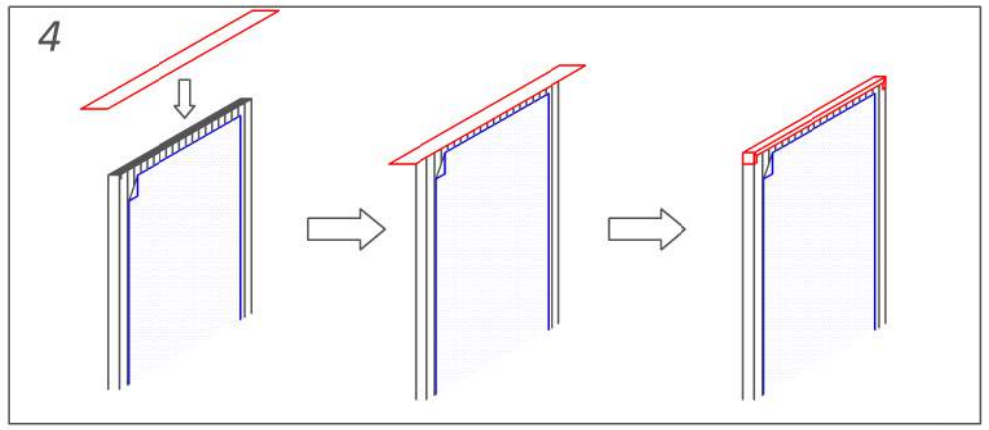
# STAGE 19B: FOIL TAPE - (16MM 5WALL POLYCARBONATE)

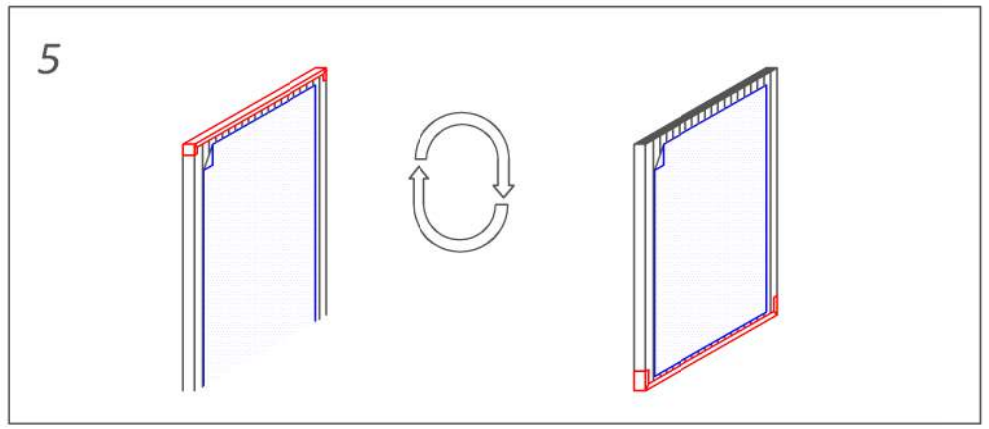
*STEPS:*

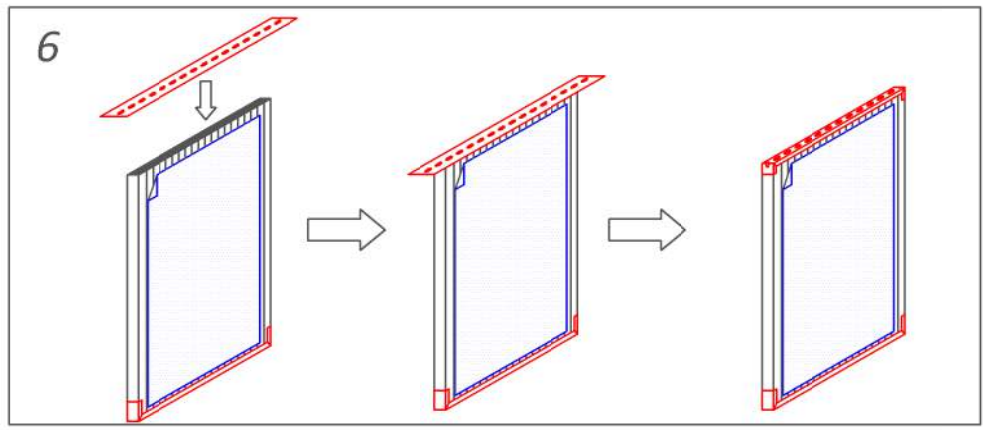
4. PLACE A PIECE OF SOLID FOIL TAPE EVENLY ON THE TOP OF A POLYCARBONATE PANEL & SMOOTHLY FOLD THE EDGES OVER.
5. FLIP THE POLYCARBONATE PANEL OVER.
6. PLACE A PIECE OF VENTED FOIL TAPE EVENLY ON THE BOTTOM OF A POLYCARBONATE PANEL & SMOOTHLY FOLD THE EDGES OVER.

REPEAT FOR ALL POLYCARBONATE PANELS

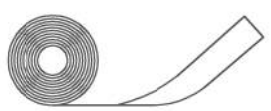




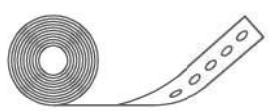




*Parts List:*



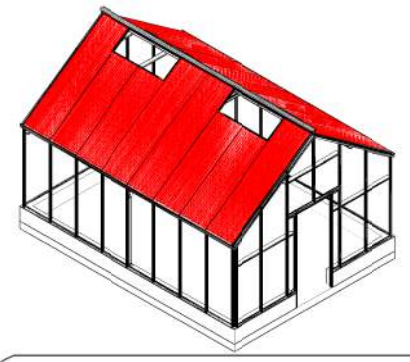
*Solid Foil Tape*

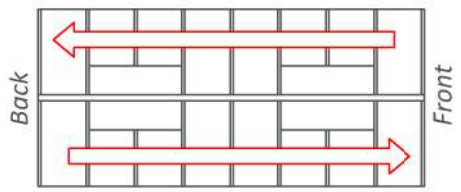


*Vented Foil Tape*

*5 Wall Polycarbonate Panels*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM






*GLAZE & CAP THE ROOF IN ORDER FROM BACK TO FRONT AND THEN FRONT TO BACK. COMPLETE ONE SIDE BEFORE BEGINNING THE NEXT.*

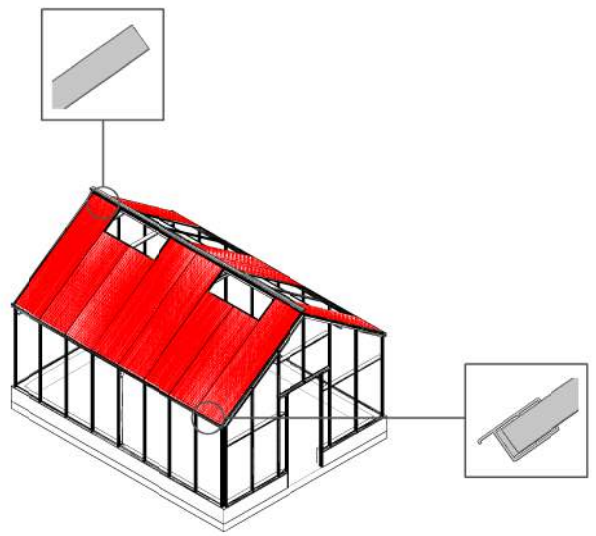
# STAGE 20A: ROOF GLAZING - (16MM 5WALL POLYCARBONATE)

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE ROOF GLAZING BARS .
2. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL.
3. PLACE THE H-CHANNEL ONTO THE BOTTOM OF A POLYCARBONATE PANEL

CONTINUE ON NEXT PAGE

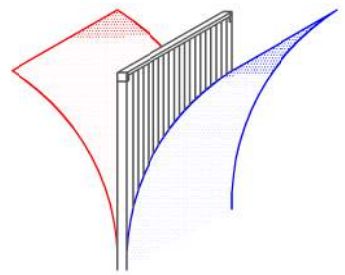
*If using a cordless drill to fasten the Caps, set your drill to a low Torque Setting. Screws should be snug to the cap plus a quarter turn.*



1

Peel paper from Foam Tape

2



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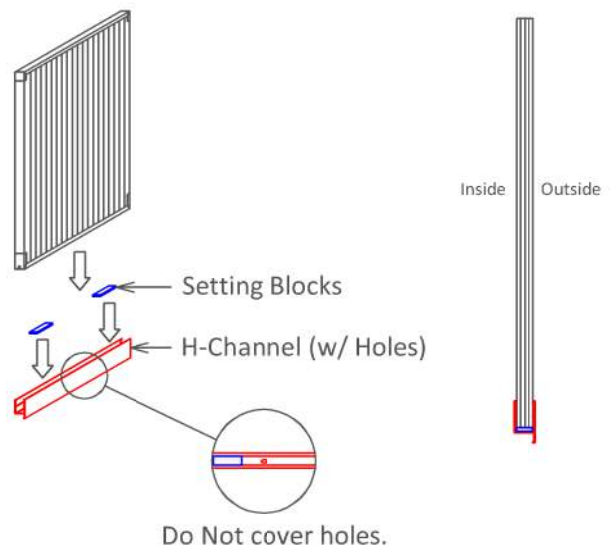



## PRO TIPS

*Have one person working outside the greenhouse and one on the inside to help fit the polycarbonate panels into the Ridge.*

*Typical Polycarbonate (Roof)*

*Square Cut on top.*

*Square Cut on bottom.*

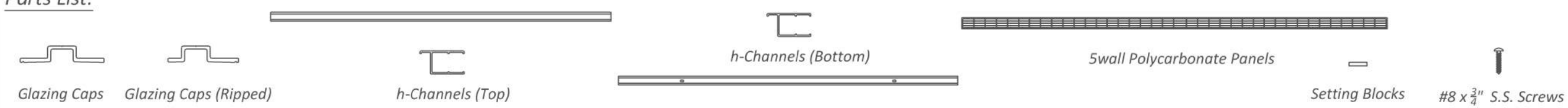
*WARNINGS*
- DO NOT STORE POLYCARBONATE PANELS IN DIRECT SUNLIGHT-
The Plastic Film can melt onto the panels if they get too hot.
-DO NOT LAY POLYCARBONATE PANELS DIRECTLY ON THE GRASS-
Doing so can burn / kill the grass

*Due to circumstances beyond our control, the polycarbonate may not have Blue Film identifying the outside surface. In this situation, the outside surface will by identified with Text.*

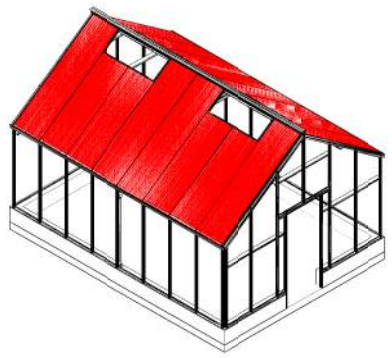
*On hot days, you may find that the Glazing Foam is too sticky. Spraying the foam with a light soapy water will make installing the Polycarbonate easier.*

*Polycarbonate Panels, Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

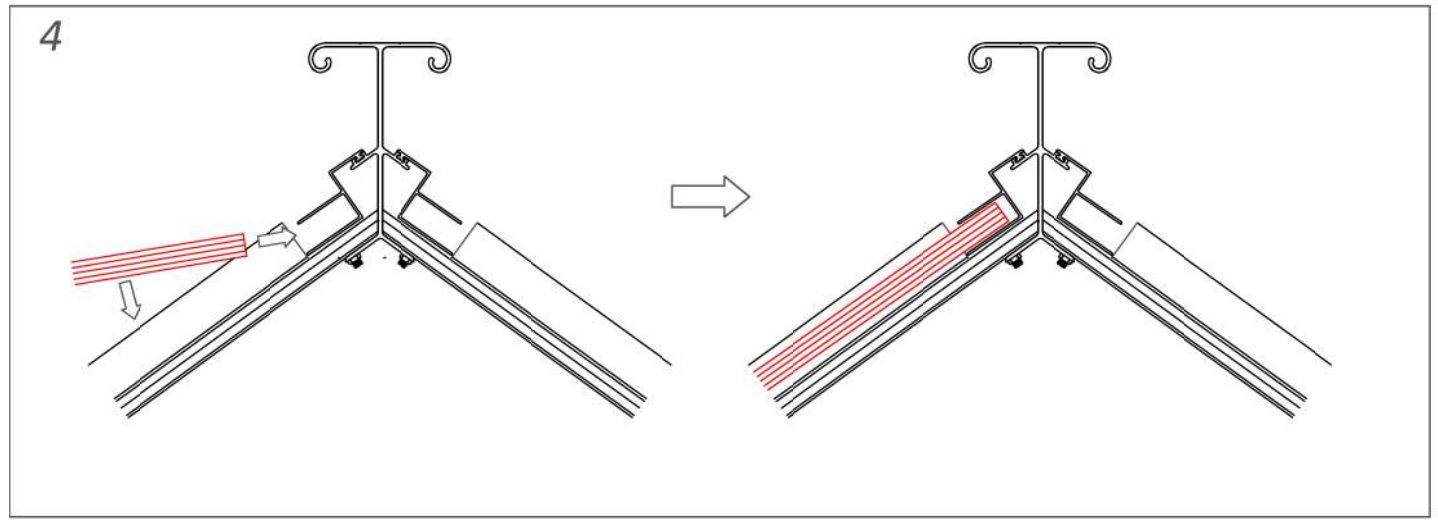
## Parts List:

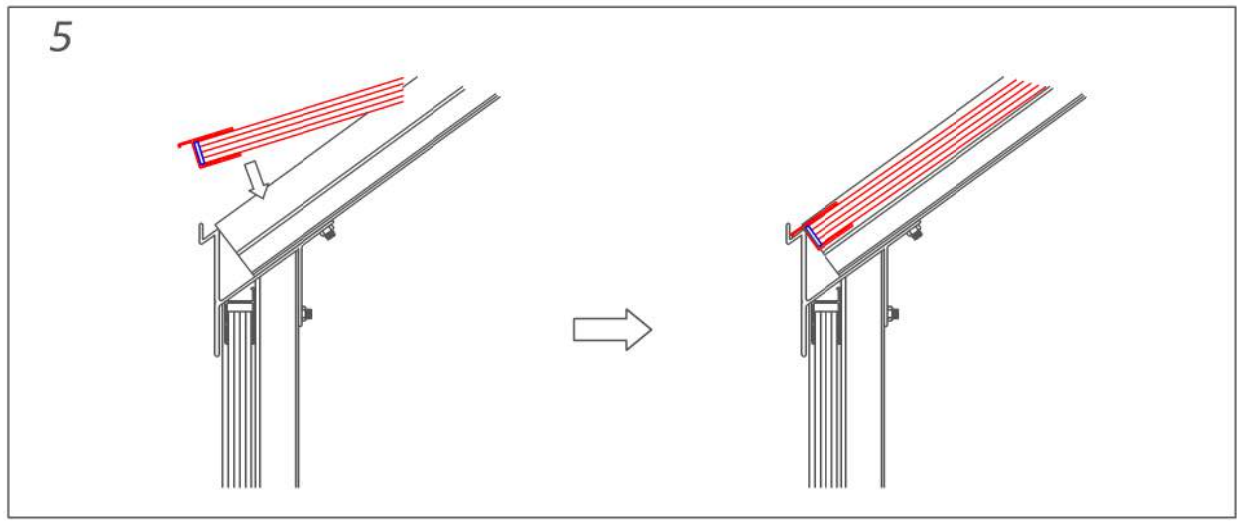



CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 20B: ROOF GLAZING - (16MM 5WALL POLYCARBONATE)

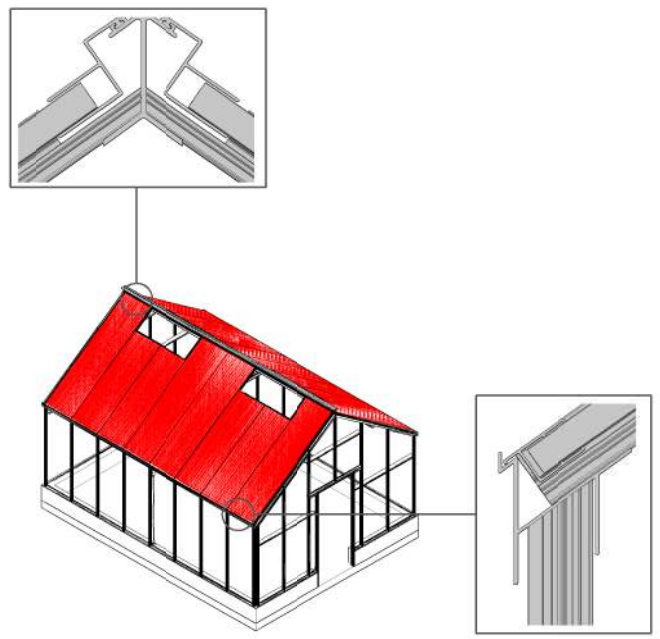



*STEPS:*
4.INSERT THE TOP OF THE POLYCARBONATE PANEL INTO THE RIDGE.
5. INSERT THE H-CHANNEL AT THE BOTTOM OF THE PANEL INTO THE GUTTER.

REPEAT

CONTINUE ON NEXT PAGE



*Typical Polycarbonate (Roof)*

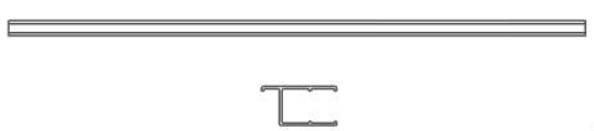
*Square Cut on top.*

*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*



*h-Channels (Top)*

*h-Channels (Bottom)*



*5wall Polycarbonate Panels*

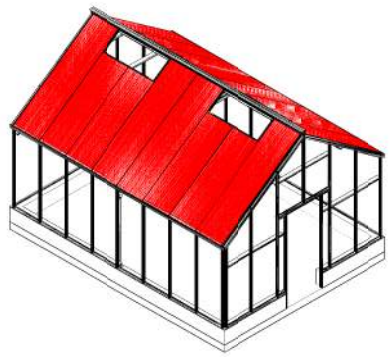


*Setting Blocks*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



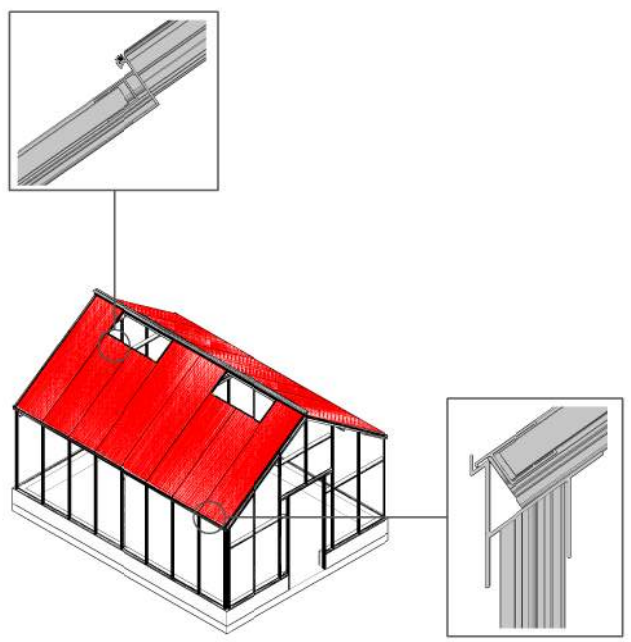
## STAGE 20C: ROOF GLAZING - (16MM 5WALL POLYCARBONATE)

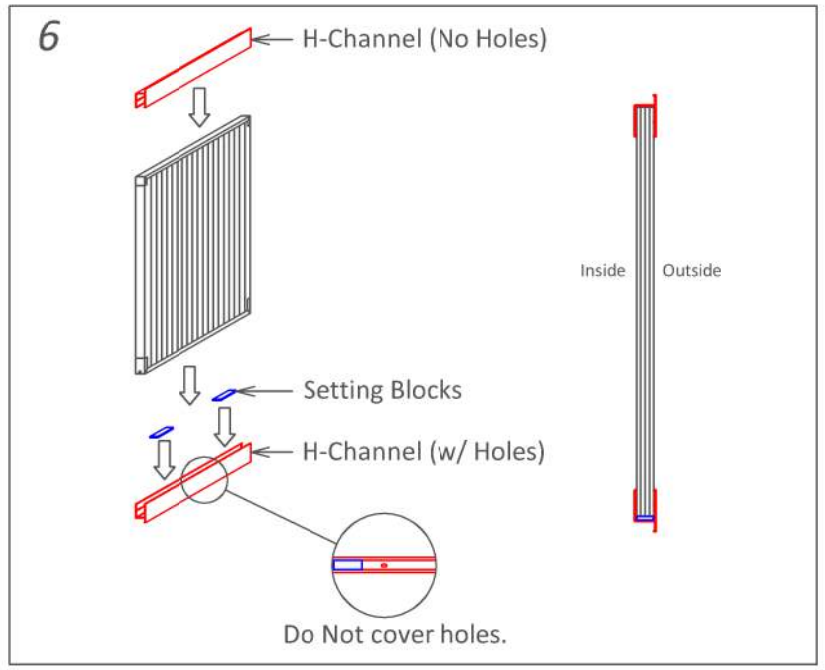
*STEPS:*

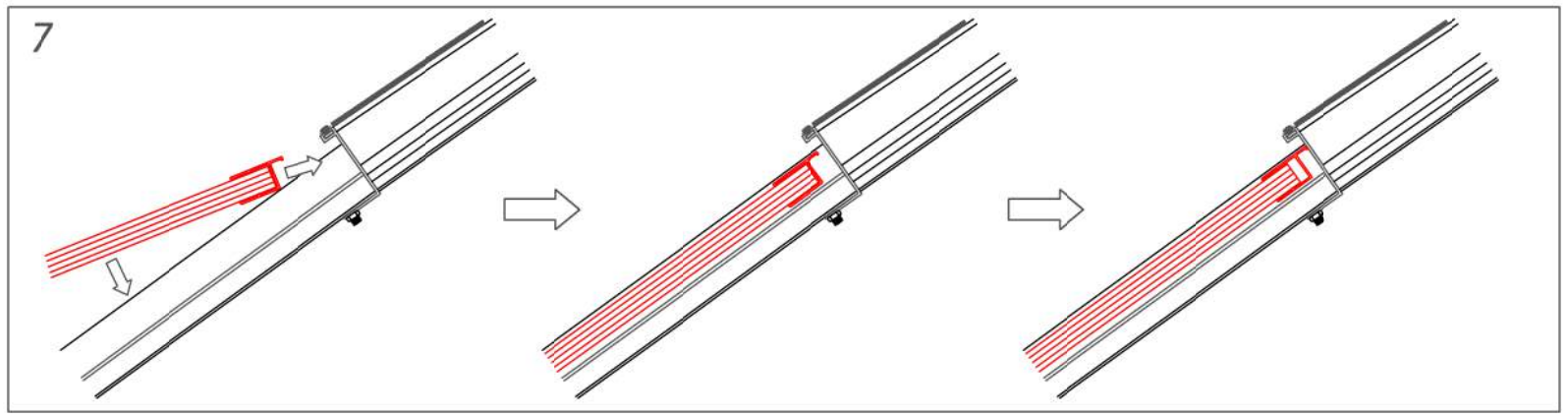
6. APPLY H-CHANNELS & SETTING BLOCKS TO TOP AND BOTTOM OF POLYCARBONATE PANELS.
7. INSERT THE POLYCARBONATE PANEL BELOW THE VENT FRAME BOTTOM & SLIDE THE H-CHANNEL UP UNTIL IT TOUCHES THE VENT FRAME BOTTOM.
8. INSERT THE H-CHANNEL AT THE BOTTOM OF THE PANEL INTO THE GUTTER.

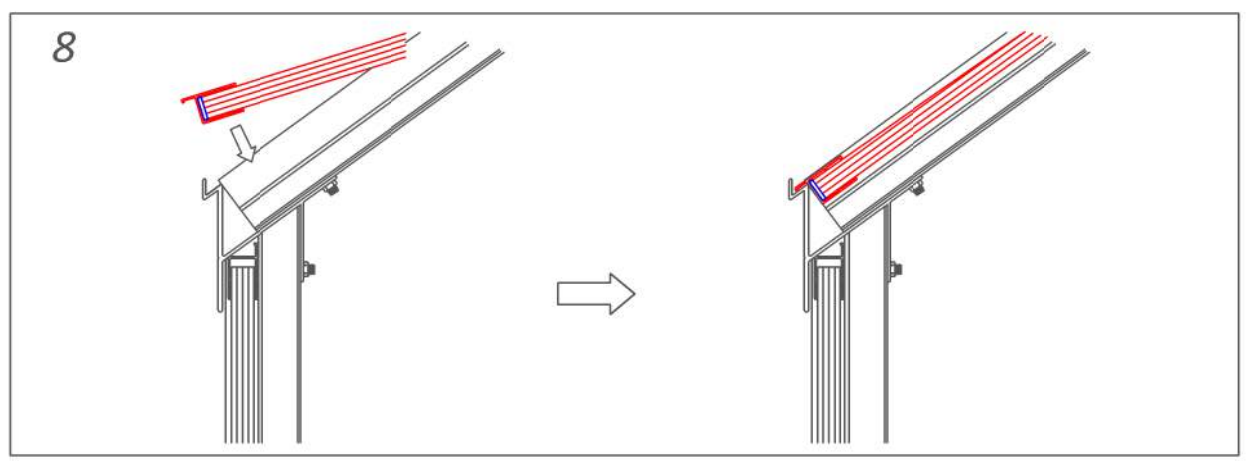
REPEAT

CONTINUE ON NEXT PAGE






*Parts List:*

*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *5wall Polycarbonate Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

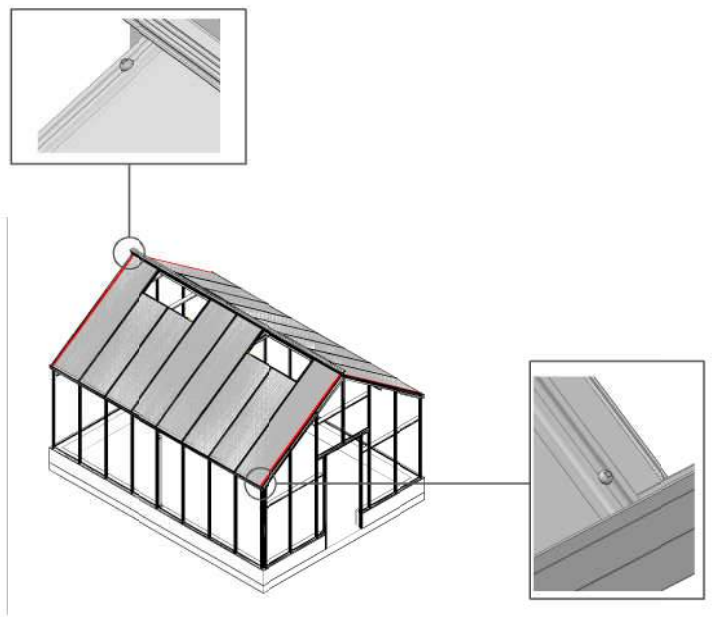
## STAGE 20D: ROOF END CAPS- (16MM 5WALL POLYCARBONATE)

*STEPS:*

9. LAY THE RIPPED CAP ON THE END RAFTER & GLAZING BAR (CAP SHOULD SIT TIGHT TO THE GUTTER)
10. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE



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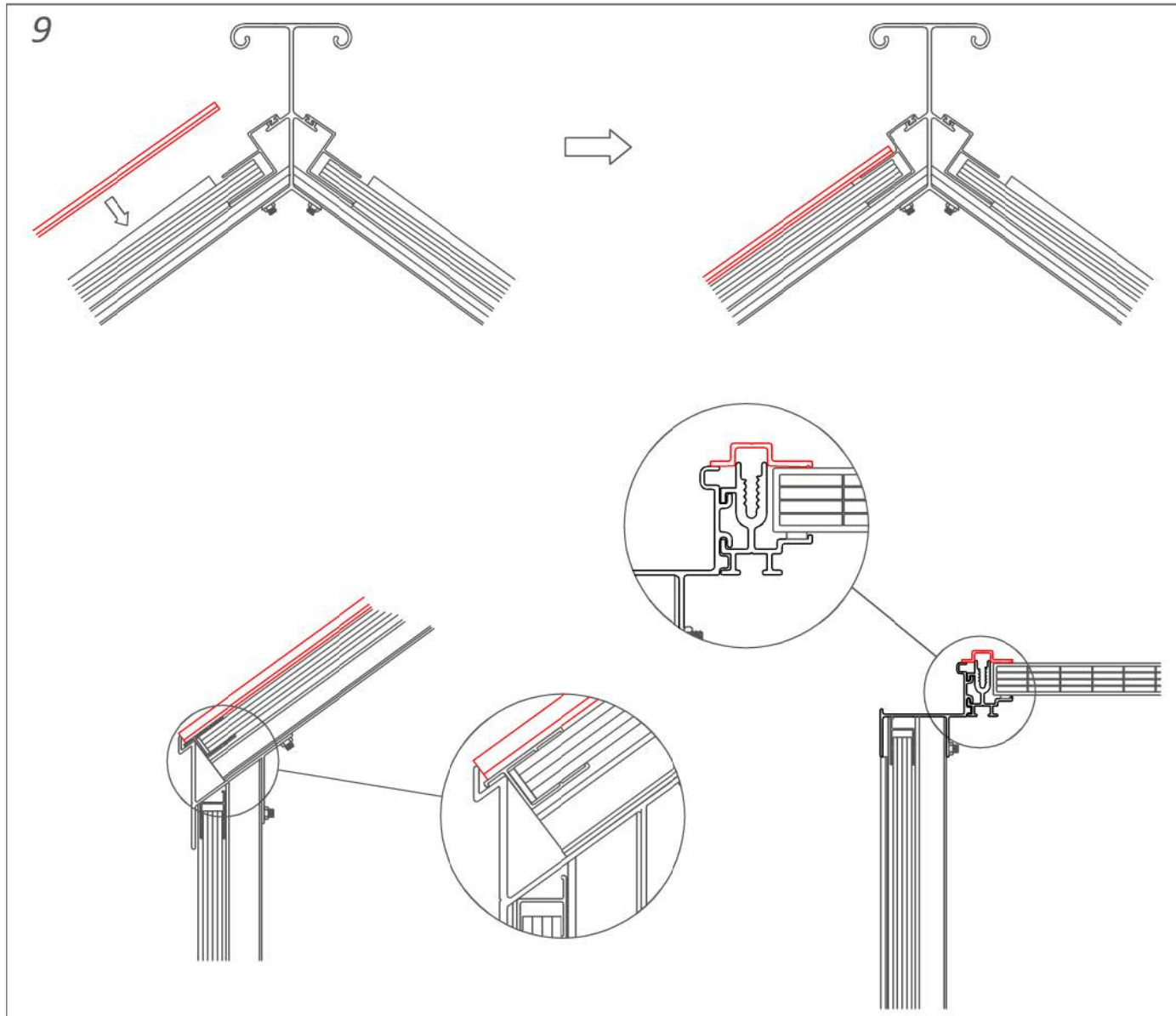

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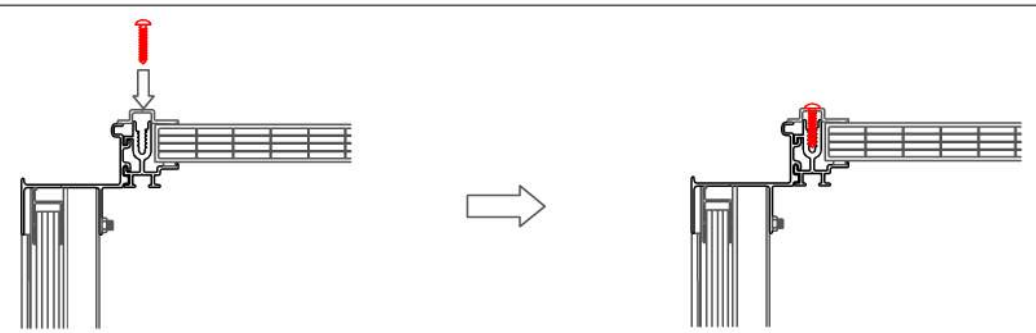


*Typical Ripped Glazing Cap (Roof)*

*Square Cut on top.*

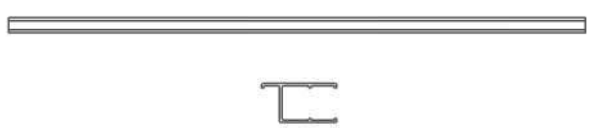


*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*



*h-Channels (Top)*

*h-Channels (Bottom)*

*5wall Polycarbonate Panels*



*Setting Blocks*



*#8 x $\frac{3}{4}$" S.S. Screws*

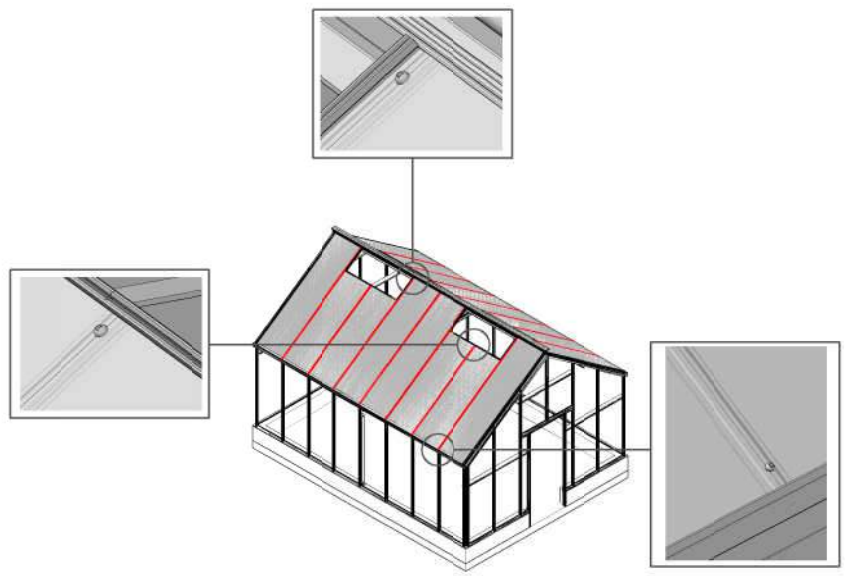
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

## STAGE 20E: ROOF CAPS - (16MM 5WALL POLYCARBONATE)

*STEPS:*

11. LAY THE CAP ON THE GLAZING BAR (CAP SHOULD SIT TIGHT TO THE GUTTER)
12 SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS



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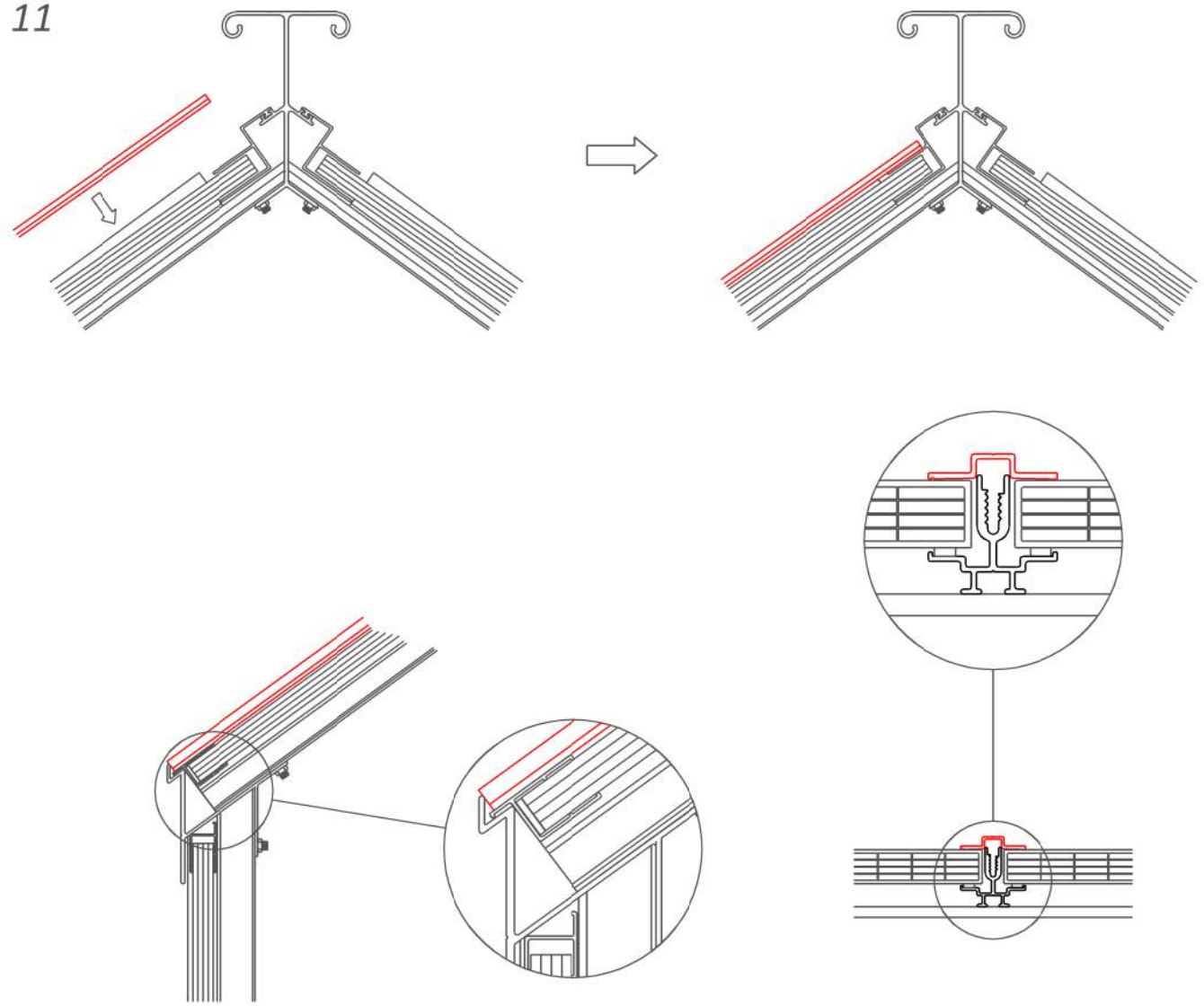

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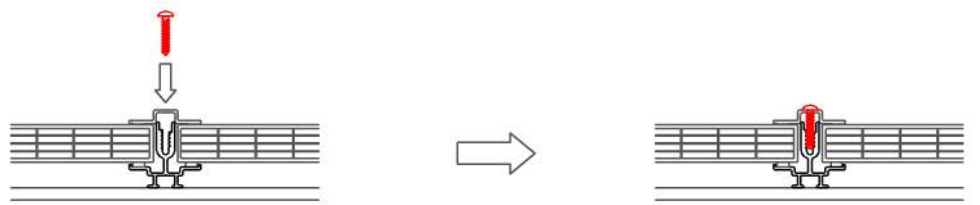
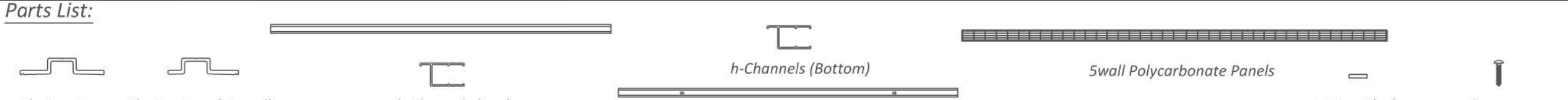


*Typical Glazing Cap (Roof)*

*Square Cut on top.*

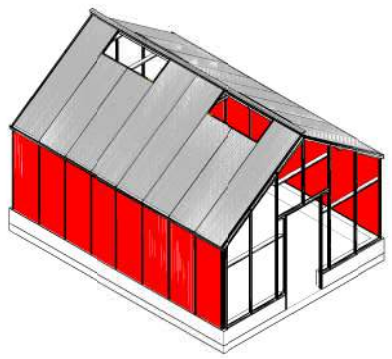
*Square Cut on bottom.*

*Parts List:*



*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *5wall Polycarbonate Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws*

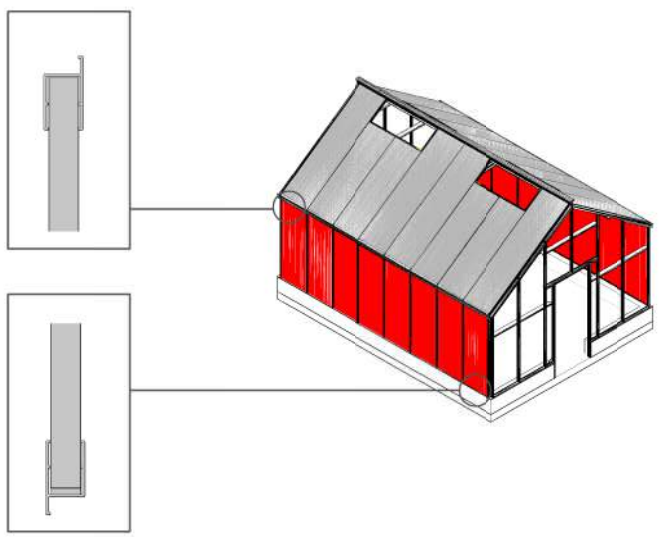
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 21A: SIDE WALL GLAZING - (16MM 5WALL POLYCARBONATE)

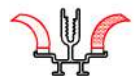
<u>STEPS:</u>
1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL.
3. PLACE THE H-CHANNELS & SETTING BLOCKS ONTO THE TOP & BOTTOM OF A POLYCARBONATE PANEL

CONTINUE ON NEXT PAGE



**1**

Peel paper from Foam Tape



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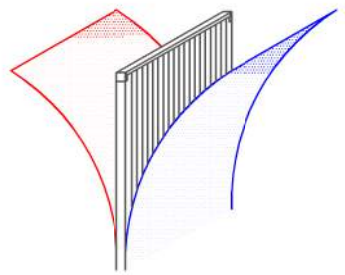
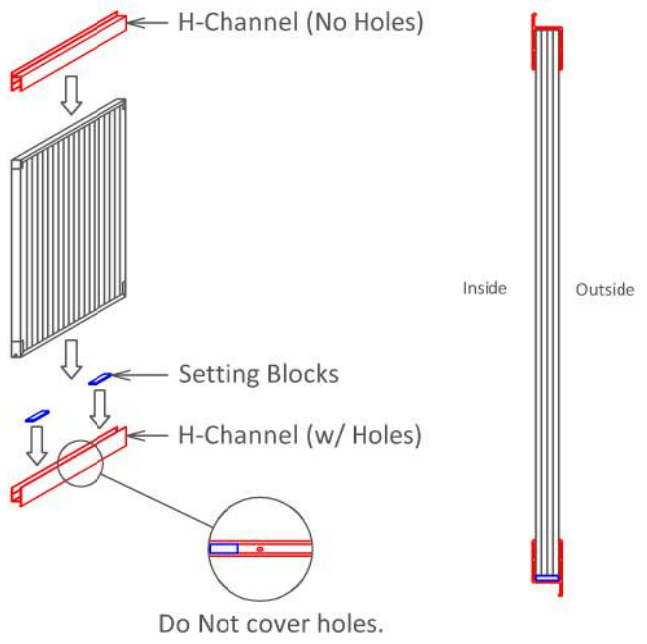


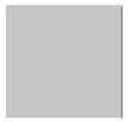
**3**



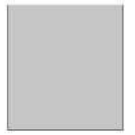

### PRO TIPS

*Applying a drop of silicone to the Setting Blocks before installing will prevent them from sliding out of position.*

*Typical Polycarbonate (Side Wall)*



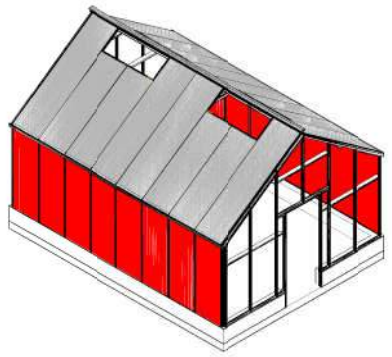
*Square Cut on top.*



*Square Cut on bottom.*

### *Parts List:*


CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 21B: SIDE WALL GLAZING - (16MM 5WALL POLYCARBONATE)

STEPS:

4. SLIP THE TOP OF THE POLYCARBONATE PANEL BENEATH THE GUTTER.
5. PUSH THE BOTTOM OF THE POLYCARBONATE PANEL INTO POSITION.
6. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE GUTTER.

REPEAT FOR ALL SIDE WALL GLAZING

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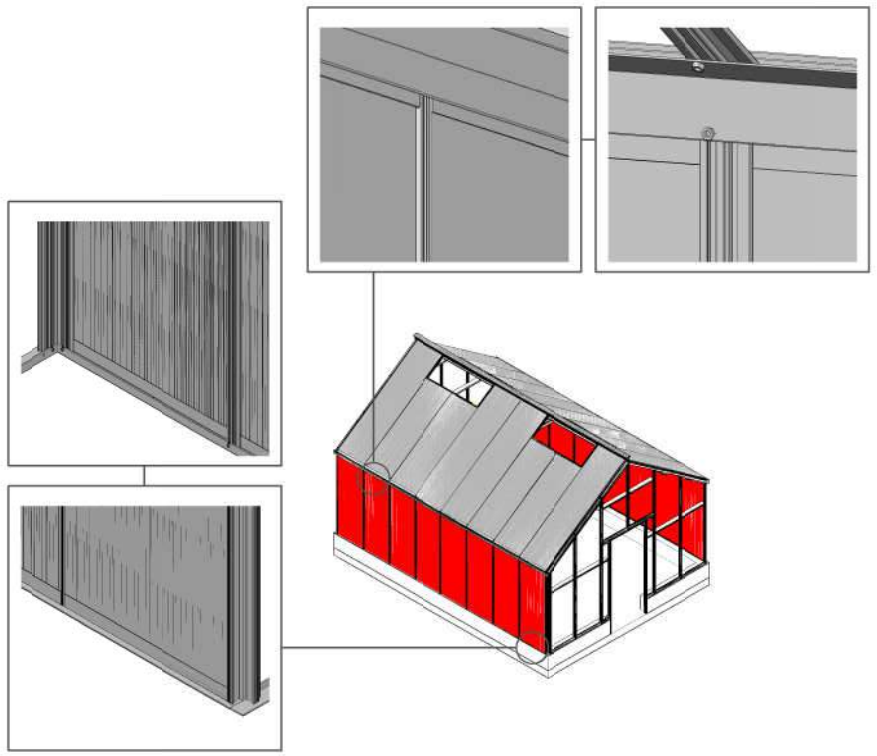

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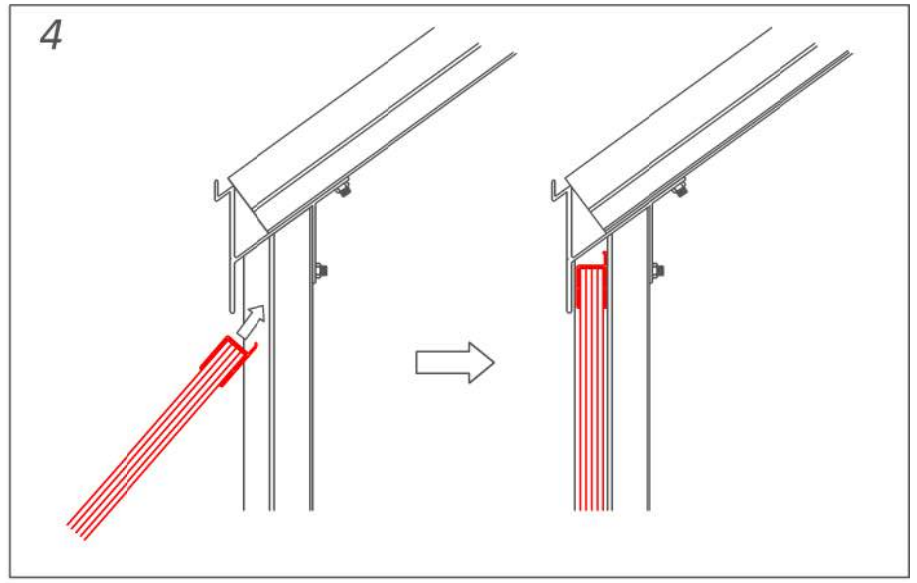

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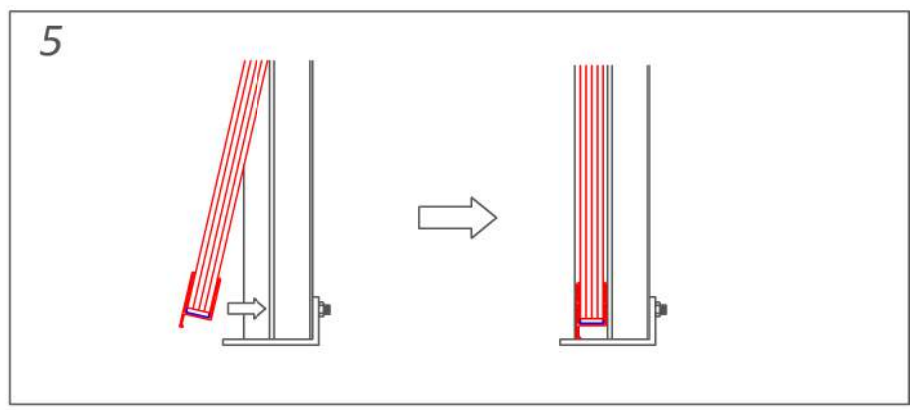

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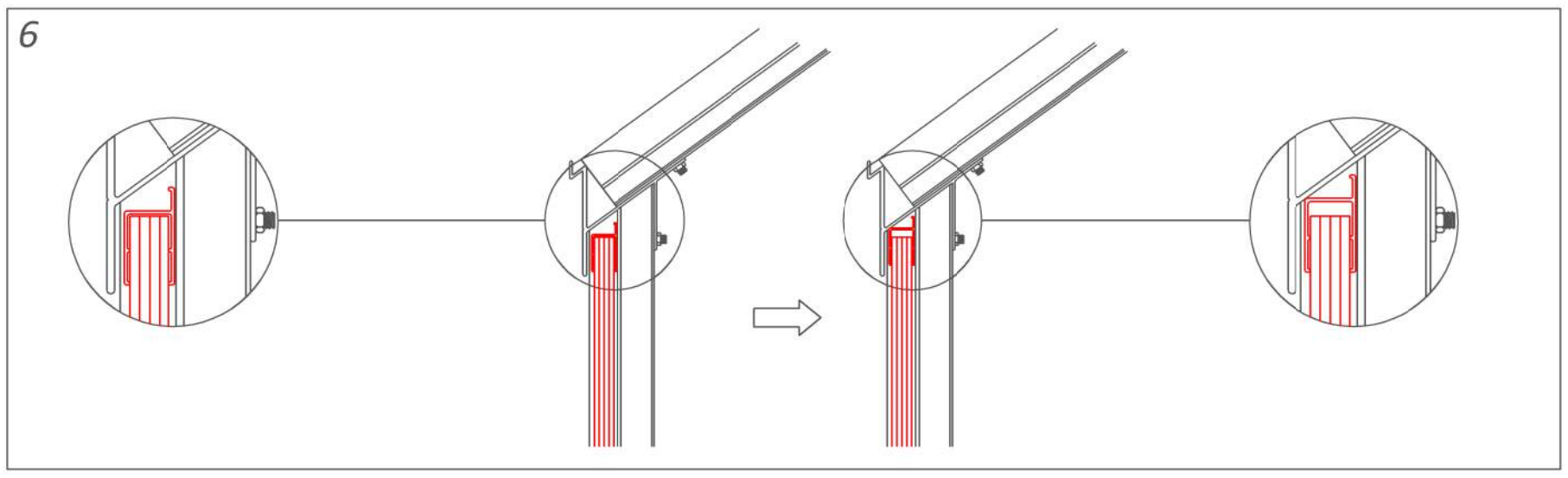


### PRO TIPS

*Start by glazing the 4 corners on the side walls of the greenhouse. This will help to square the frame from front to back. Don't be afraid to shift the Frame as necessary.*

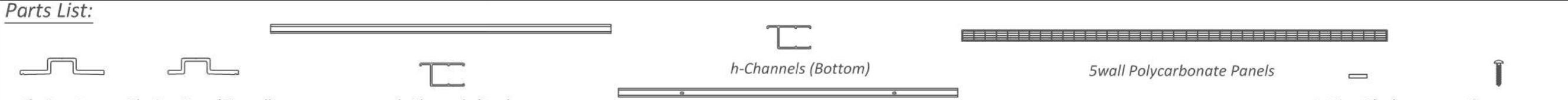
*Typical Polycarbonate (Side Wall)*

*Square Cut on top.*



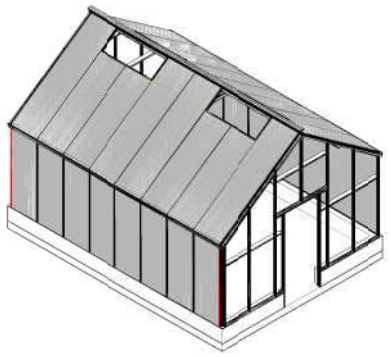
*Square Cut on bottom.*

### Parts List:



*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *5wall Polycarbonate Panels* *Setting Blocks* *#8 x 3/4" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



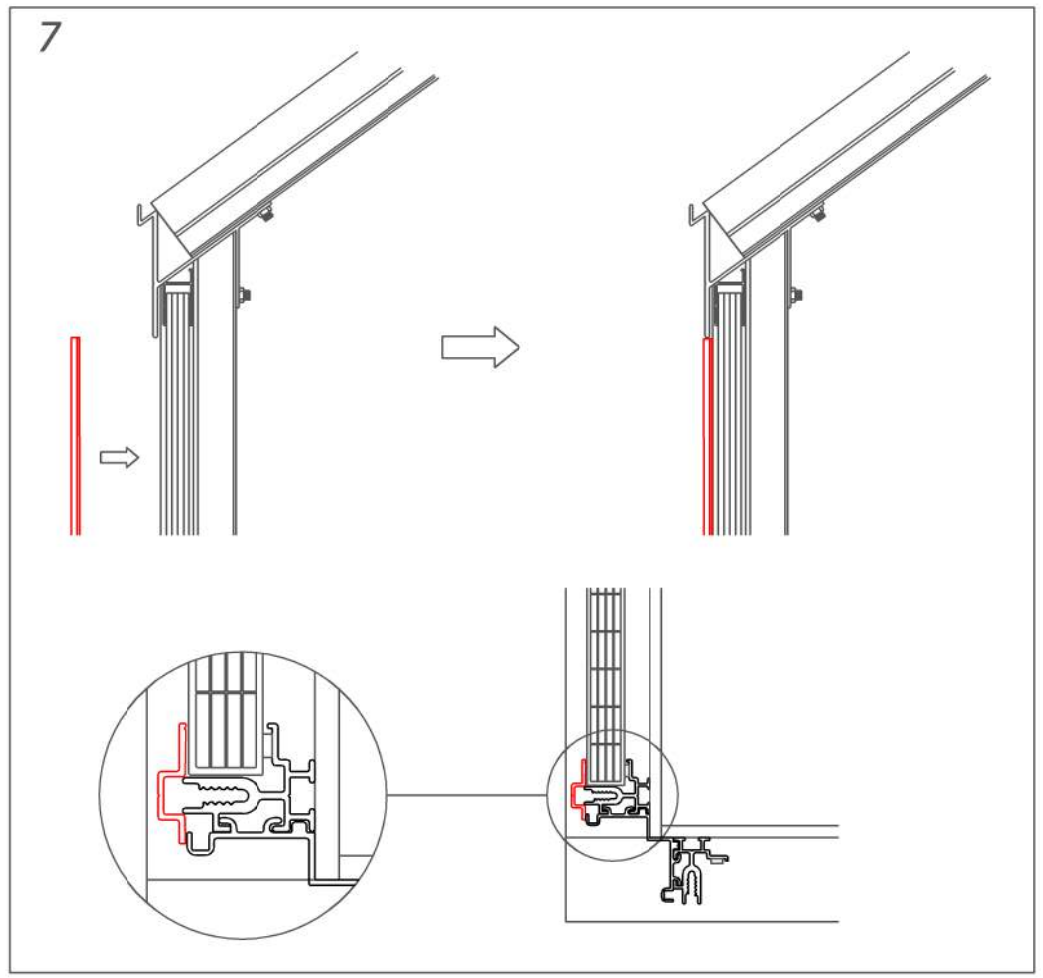
## STAGE 21C: SIDE WALL CORNER CAPS - (16MM 5WALL POLYCARBONATE)

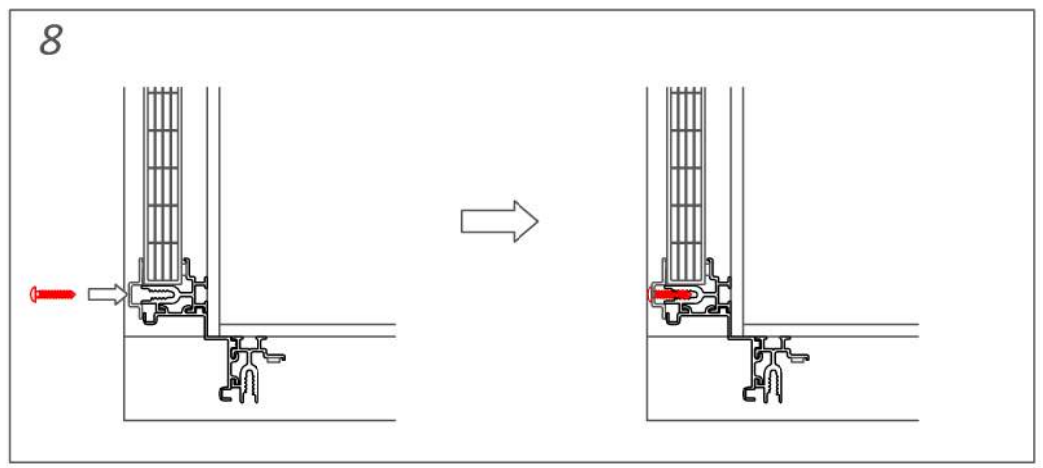
*STEPS:*

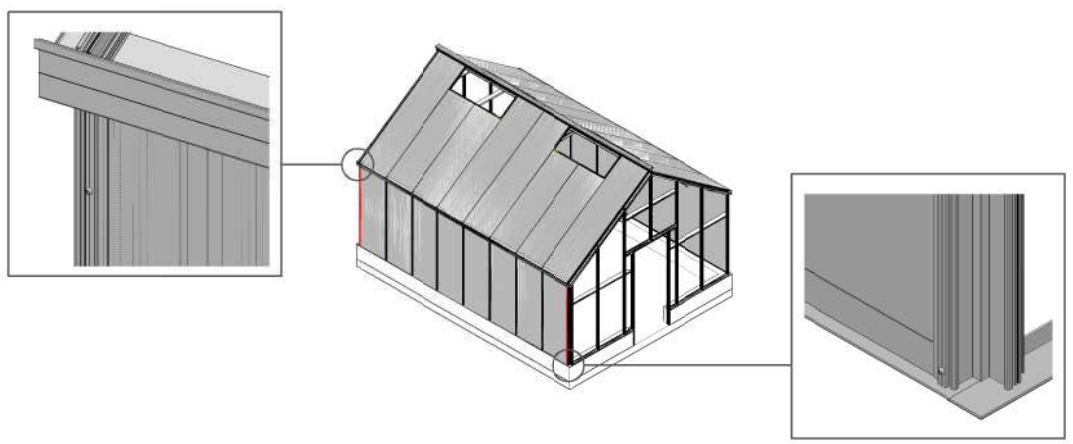
7. PRESS THE RIPPED CAP AGAINST THE GLAZING BAR & CORNER POST.
8. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE



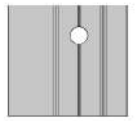



### PRO TIPS

*All Glazing Caps are cut and punched so that the holes will line up horizontally if installed right side up.*

*Typical Ripped Glazing Cap (Side Wall)*

*Square Cut on top.*

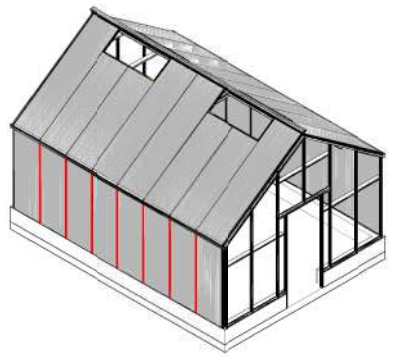


*Square Cut on bottom.*

### *Parts List:*

*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *5wall Polycarbonate Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

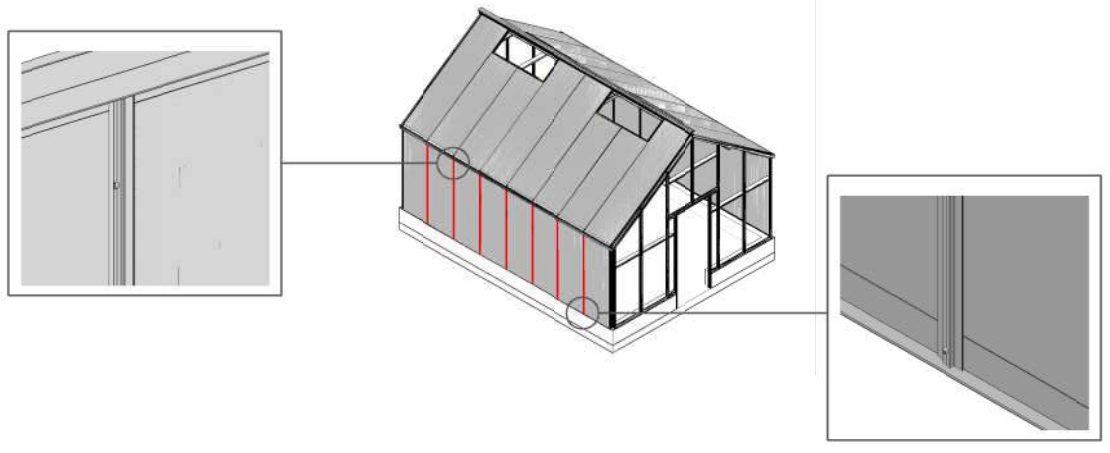


## STAGE 21D: SIDE WALL GLAZING - (16MM 5WALL POLYCARBONATE)

STEPS:

9. PLACE THE CAP AGAINST THE POLYCARBONATE PANEL
10. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS



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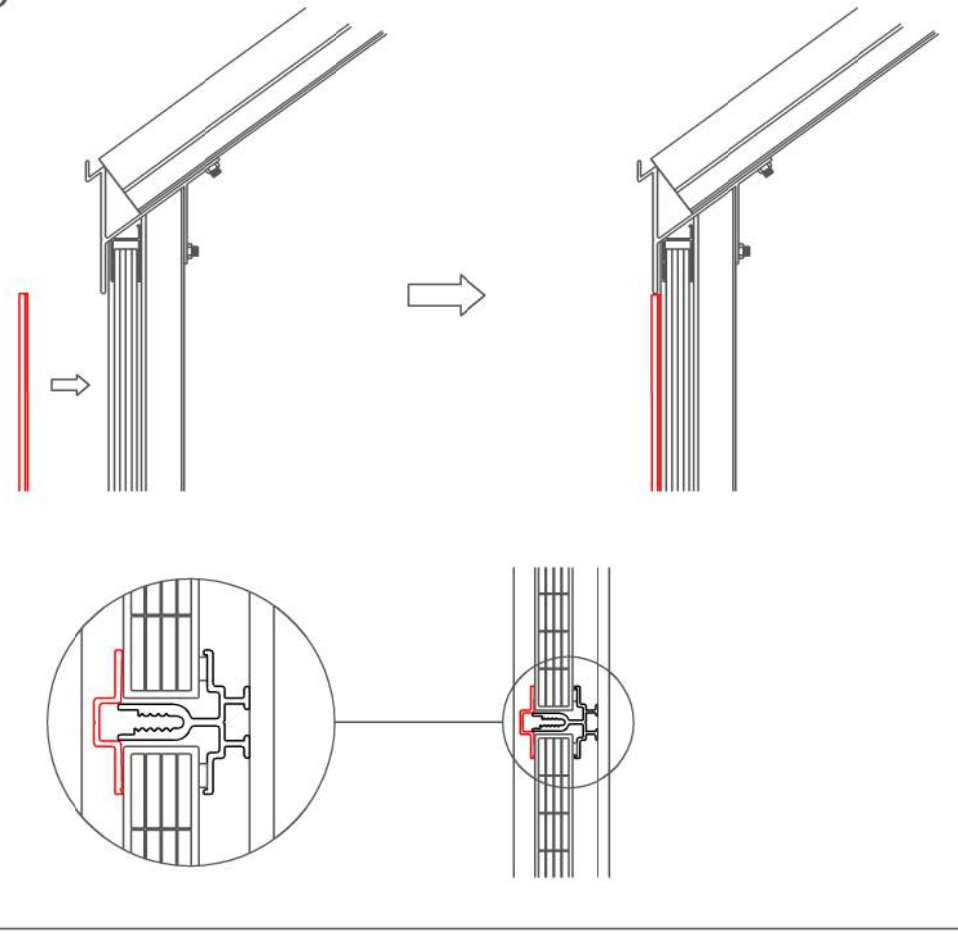

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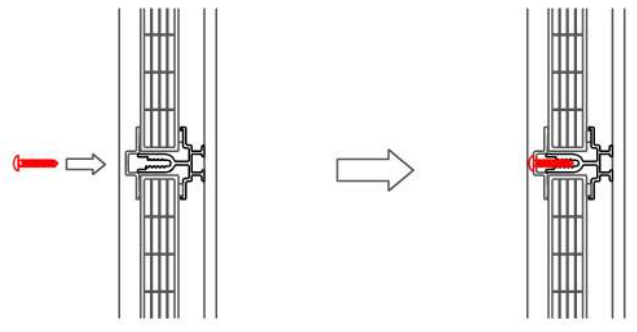


### PRO TIPS

*All Side Wall Caps should sit flush on top of the Base and be tight to the Gutter.*

*Typical Glazing Cap (Side Wall)*

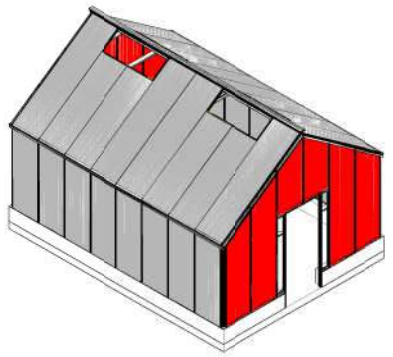
*Square Cut on top.*

*Square Cut on bottom.*

Parts List:

*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *5wall Polycarbonate Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

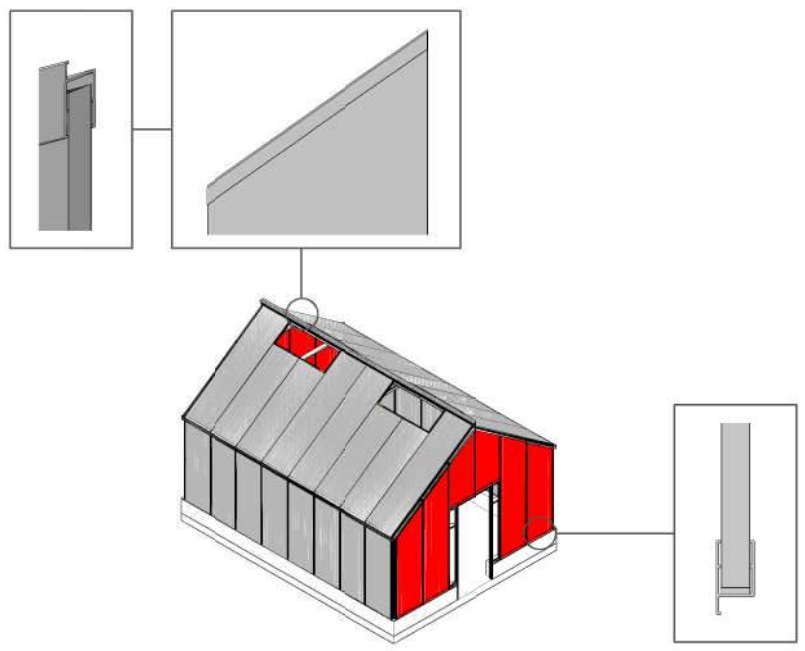


# STAGE 22A: GABLE GLAZING - (16MM 5WALL POLYCARBONATE)

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL.
3. PLACE THE H-CHANNELS & SETTING BLOCKS ONTO THE TOP & BOTTOM OF A POLYCARBONATE PANEL

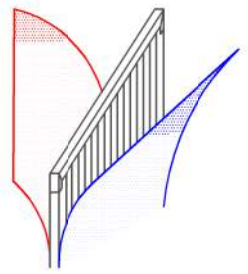
CONTINUE ON NEXT PAGE



1

Peel paper from Foam Tape

2



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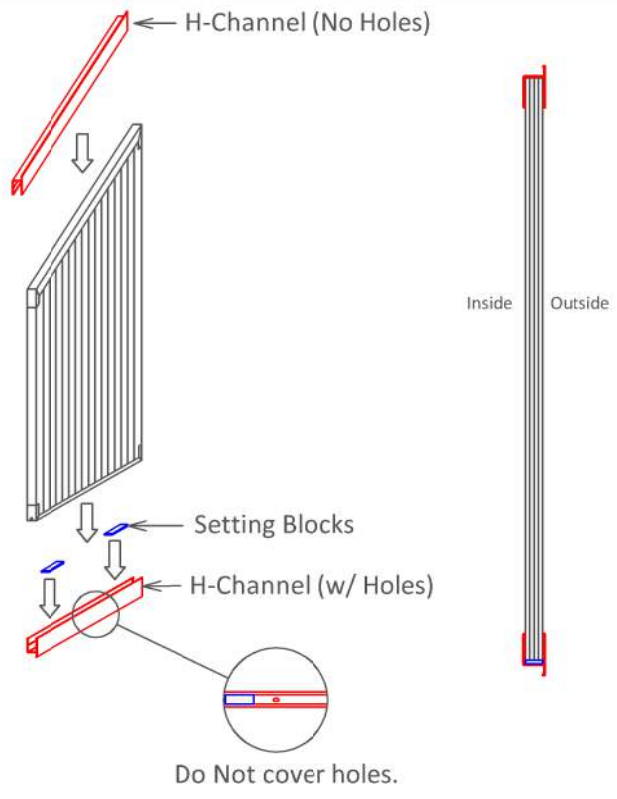
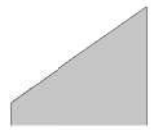



## PRO TIPS

*h-Channels for the top of the Polycarbonate are cut at angle on both ends to match the roof pitch of the greenhouse.*

*Typical Polycarbonate (Gable Wall)*



*Angle Cut Left to Right on top.*

*Square Cut on bottom.*

*Polycarbonate Panels, Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels (Top)*

*h-Channels (Bottom)*

*5wall Polycarbonate Panels*

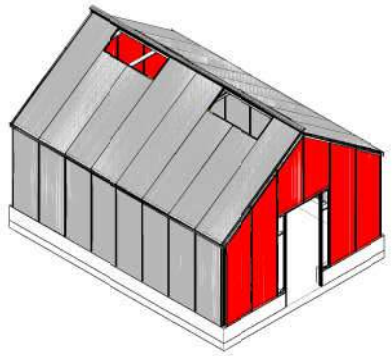


*Setting Blocks*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 22B: GABLE GLAZING - (16MM 5WALL POLYCARBONATE)

*STEPS:*

4. SLIP THE TOP OF THE POLYCARBONATE PANEL BENEATH THE END RAFTER.
5. PUSH THE BOTTOM OF THE POLYCARBONATE PANEL INTO POSITION.
6. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE END RAFTER.

REPEAT FOR ALL ANGLE-CUT GABLE GLAZING

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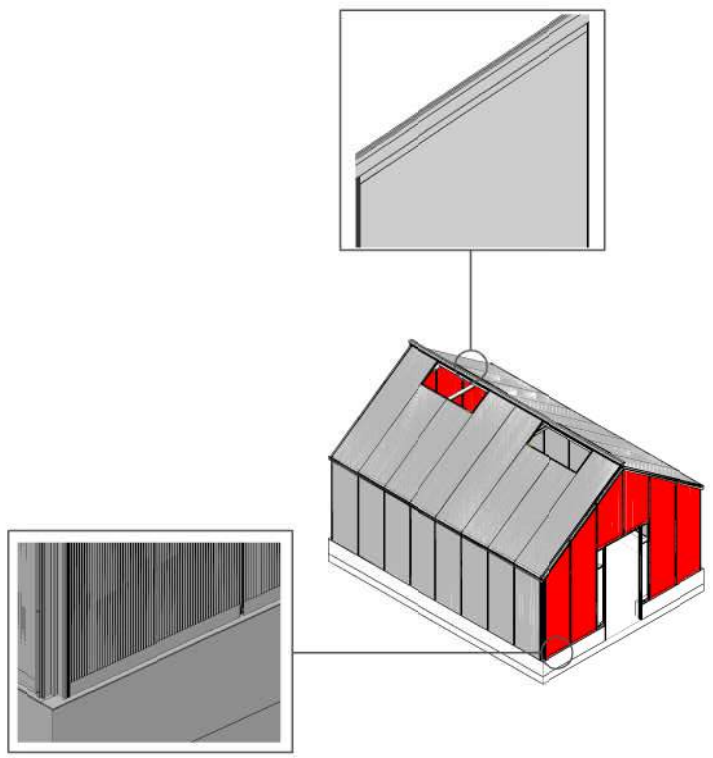

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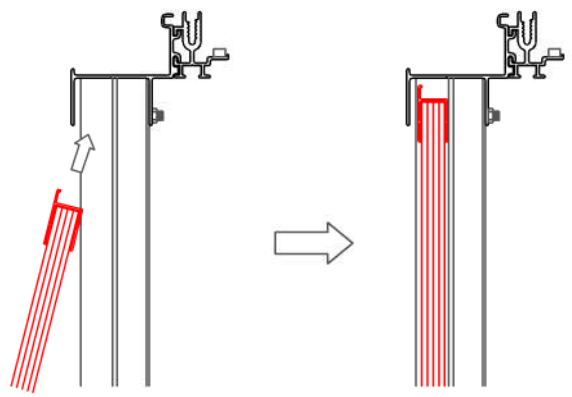

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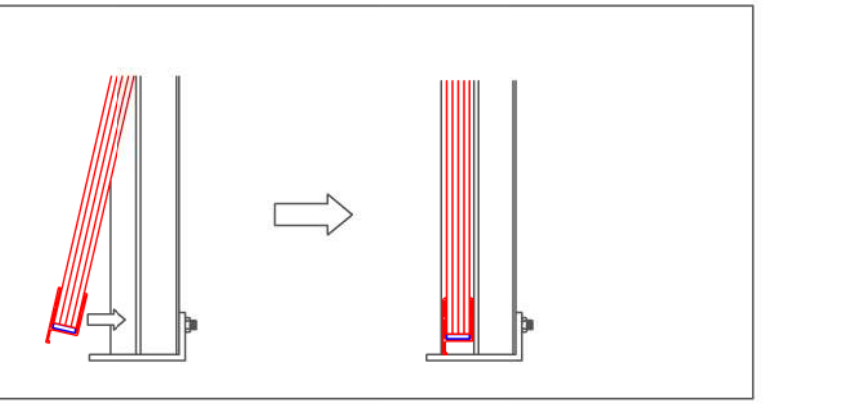

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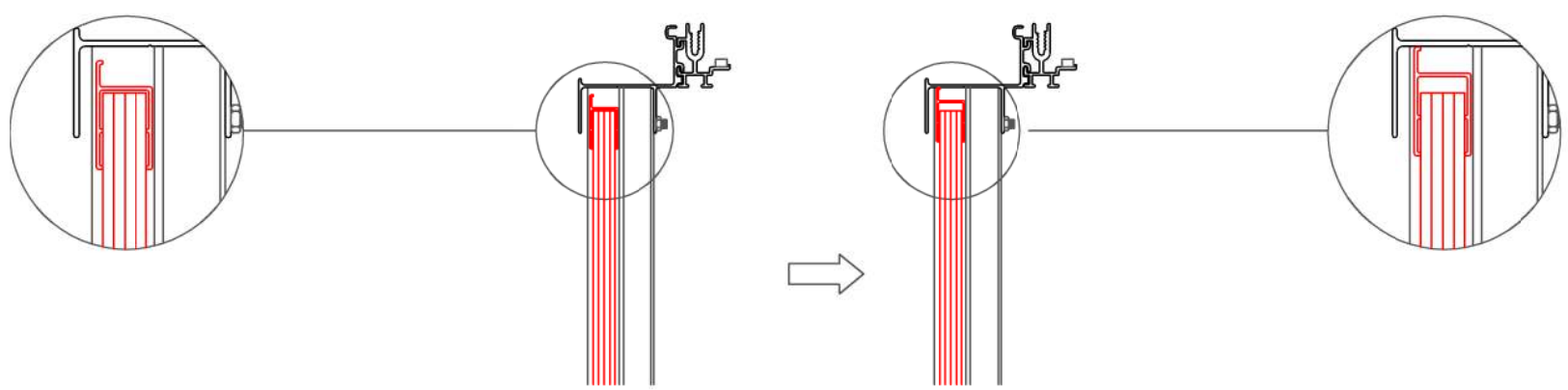
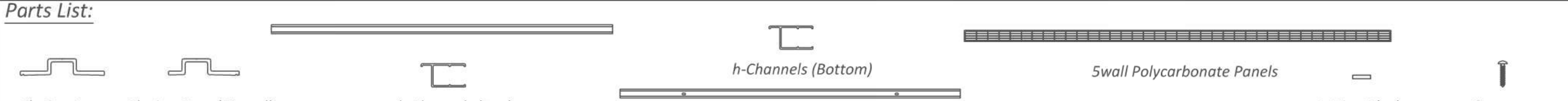


### PRO TIPS

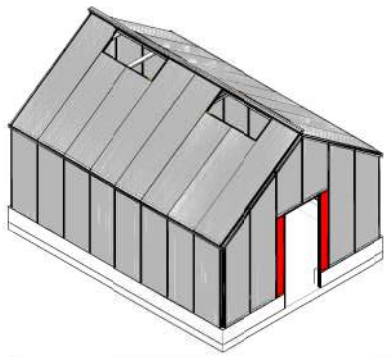
*Start by glazing the 4 corners on the gable walls of the greenhouse. This will help to square the frame from left to right.*

### Parts List:



*Glazing Caps* — *Glazing Caps (Ripped)* — *h-Channels (Top)* — *h-Channels (Bottom)* — *5wall Polycarbonate Panels* — *Setting Blocks* — *#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 22C: BESIDE DOOR GLAZING - (16MM 5WALL POLYCARBONATE)

*STEPS:*

7. PLACE THE H-CHANNELS ONTO THE TOP, BOTTOM & ONE SIDE OF THE NARROW POLYCARBONATE PANELS INTENDED FOR BESIDE THE DOOR.
8. FILL THE GAP BETWEEN THE BASE AND THE DOOR FRAME WITH CAULKING.
9. SLIP THE LONG H-CHANNELS INTO THE TRACK ON THE SIDE OF THE DOOR FRAME & ROTATE INTO POSITION.
10. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE BOTTOM OF THE DOOR HEADER.

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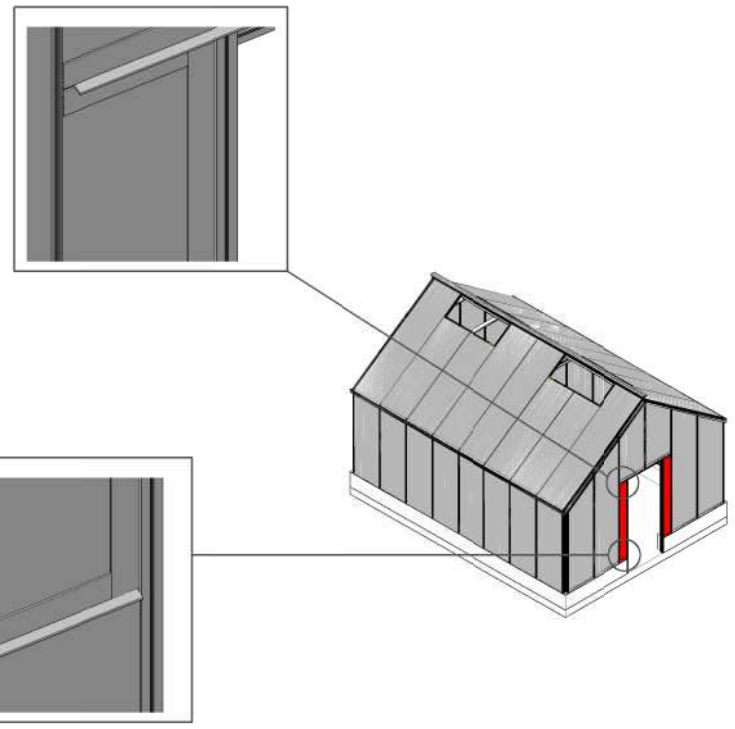

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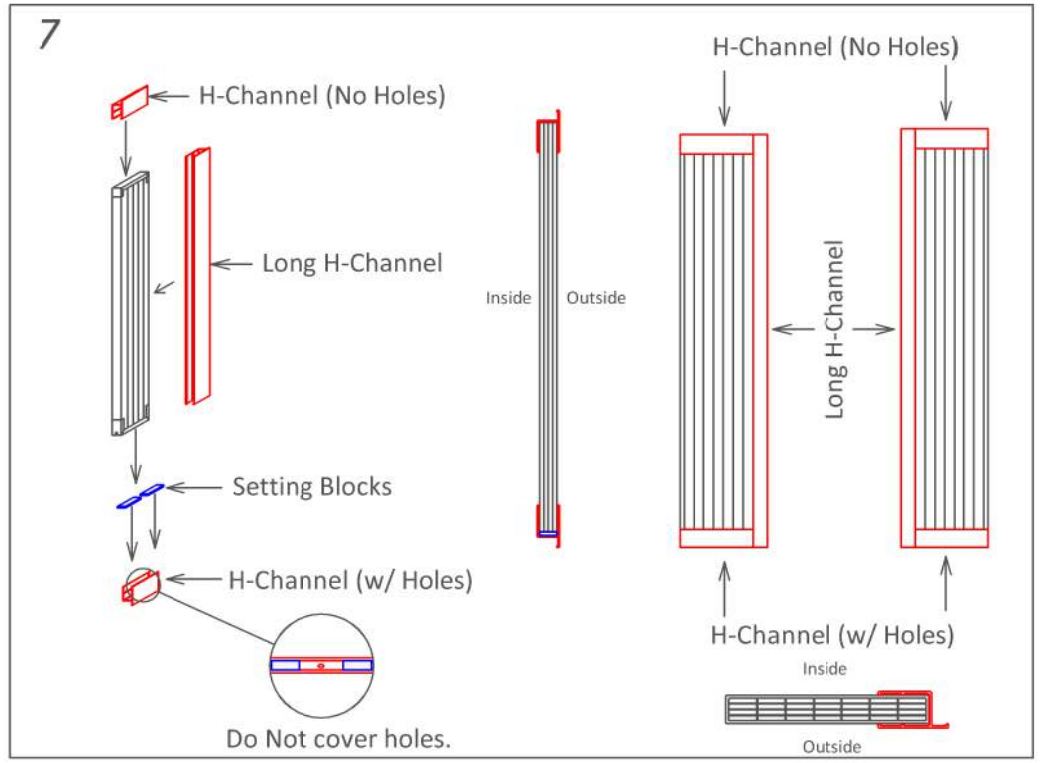


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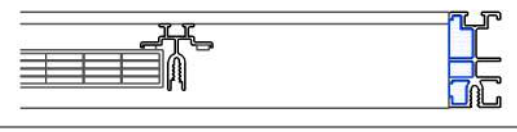

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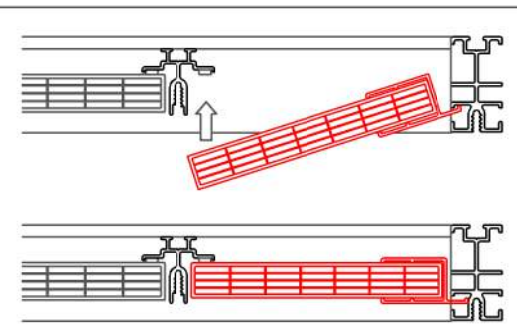

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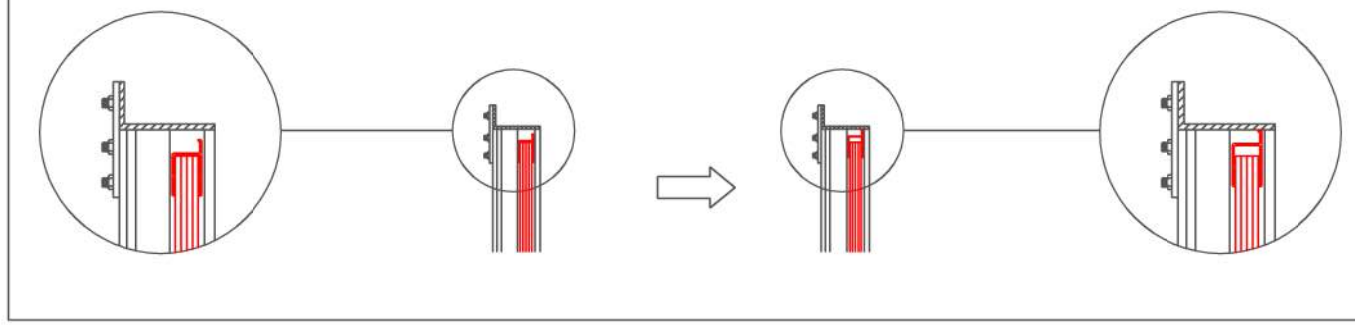


## PRO TIPS

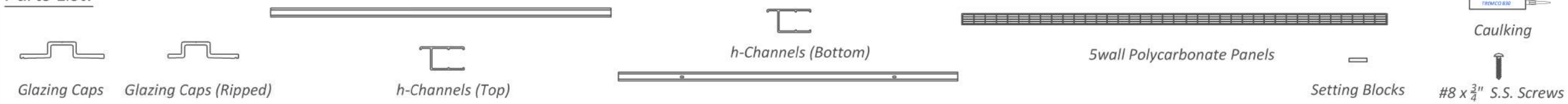
*The Long h-Channels for this step were packaged with the rest of the Door Frame installed during Stage 3 of the Assembly process.*

*Typical Polycarbonate (Beside Door)*

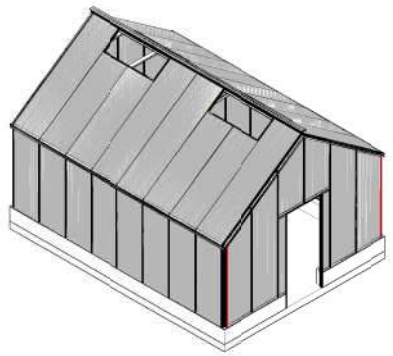
*Square Cut on top.*

*Square Cut on bottom.*

## Parts List:




CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 22D: GABLE CORNER CAPS - (16MM 5WALL POLYCARBONATE)

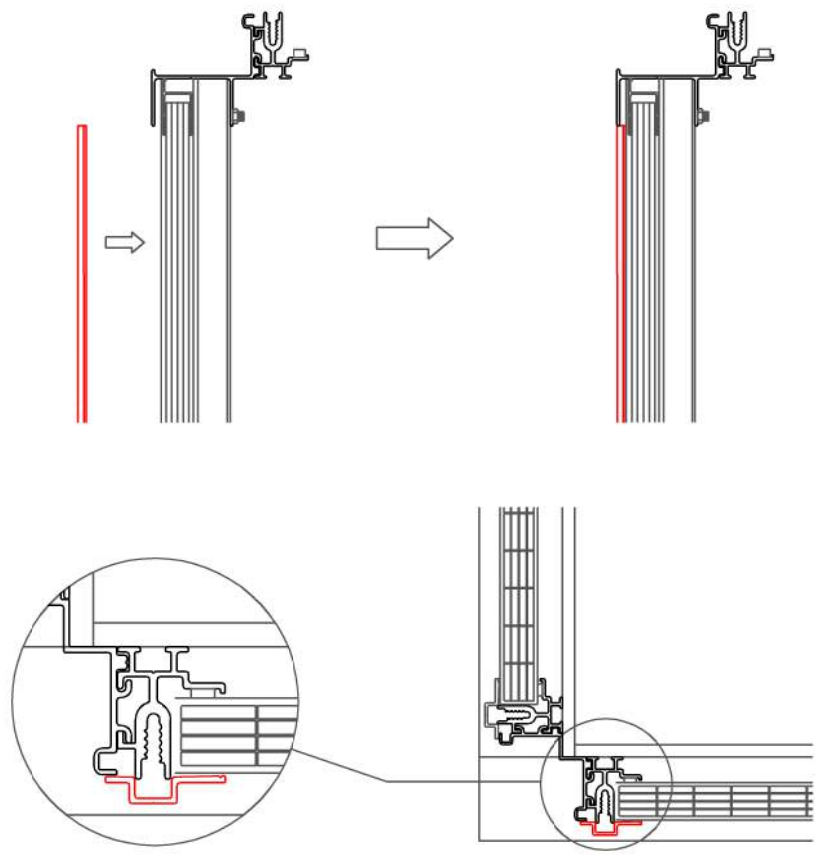
STEPS:

11. PRESS THE RIPPED CAP AGAINST THE GLAZING BAR & CORNER POST.
12. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE

11



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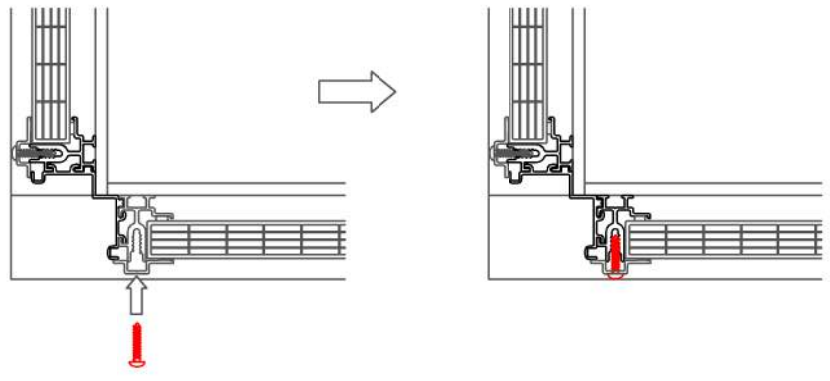
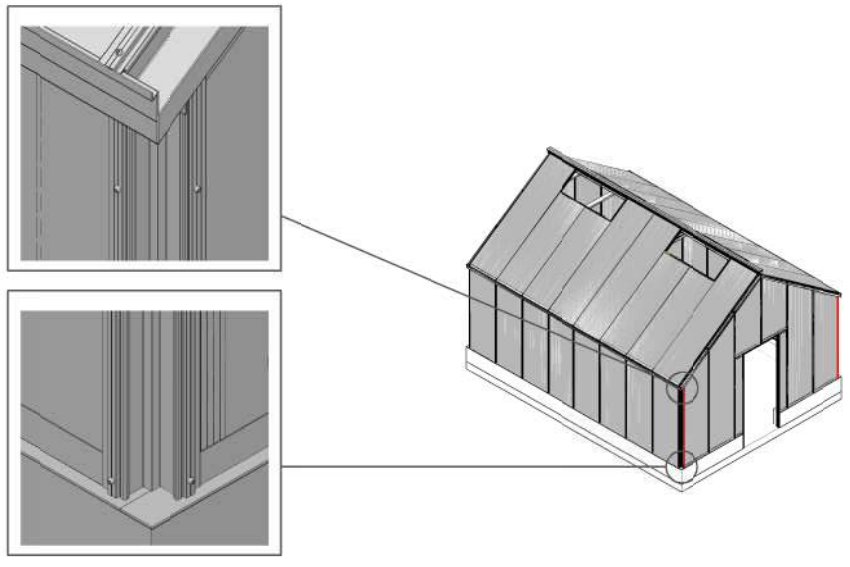
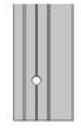




*Typical Ripped Glazing Cap (Gable Wall)*

*Angle Cut Left to Right on top.*



*Square Cut on bottom.*

## Parts List:

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels (Top)*

*h-Channels (Bottom)*

*5wall Polycarbonate Panels*

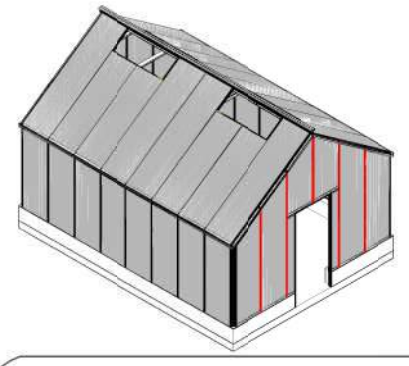


*Setting Blocks*



*#8 x 3/4" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



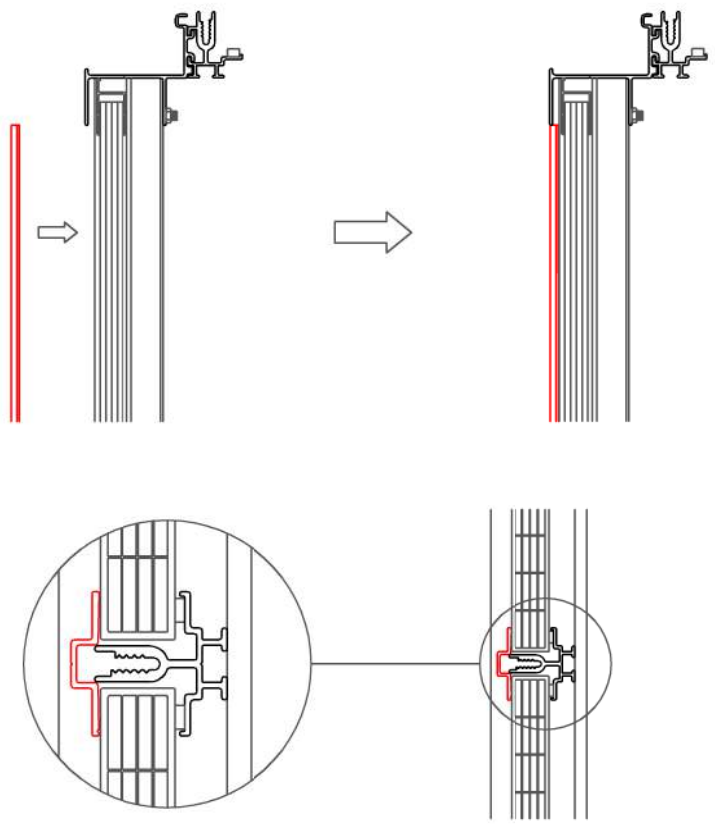
## STAGE 22E: GABLE CAPS - (16MM 5WALL POLYCARBONATE)

*STEPS:*

13. PRESS THE CAP AGAINST THE GLAZING BAR.
14. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS

13



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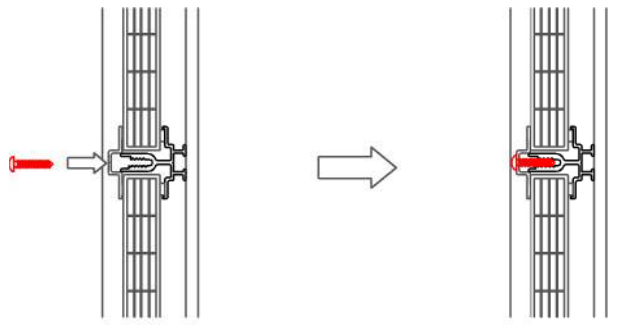
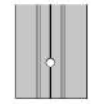
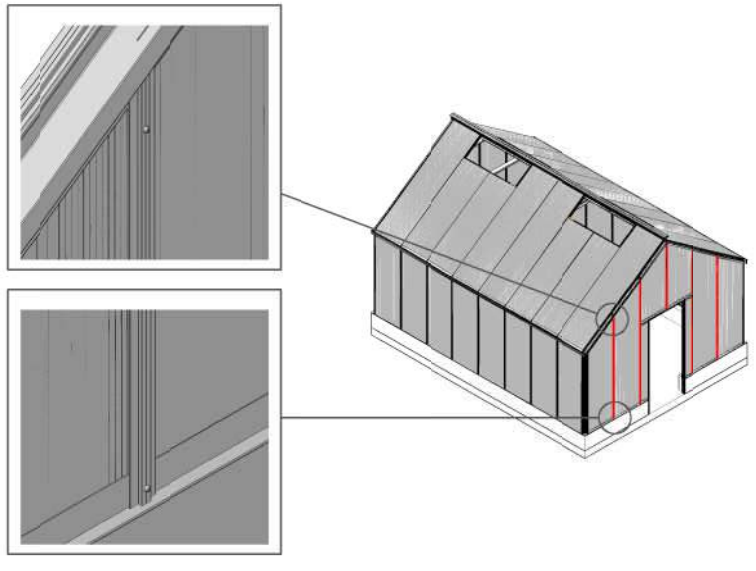


*Typical Glazing Cap (Gable Wall)*

*Angle Cut Left to Right on top.*



*Square Cut on bottom.*



*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels (Top)*

*h-Channels (Bottom)*

*5wall Polycarbonate Panels*



*Setting Blocks*

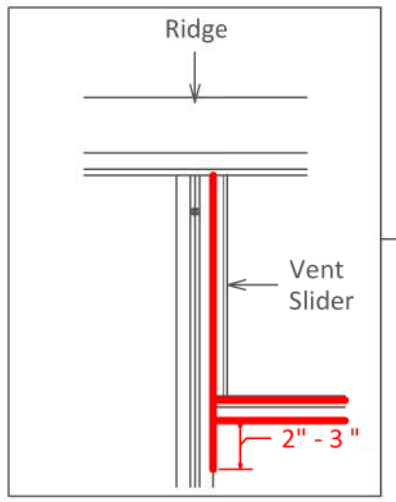


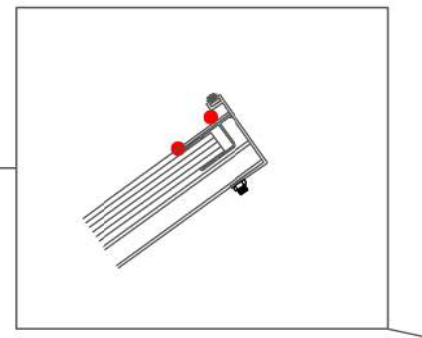
*#8 x 3/4" S.S. Screws*

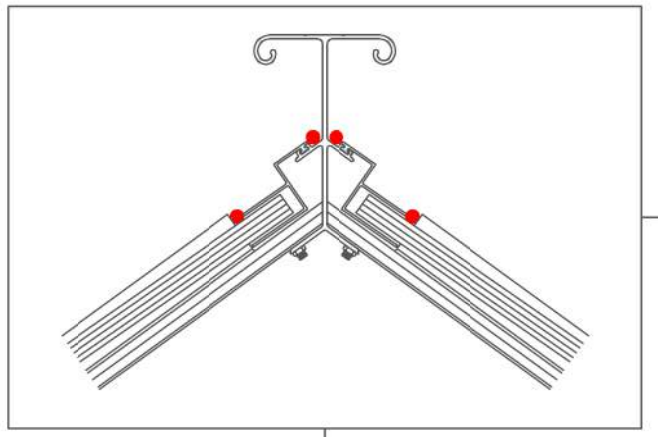
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

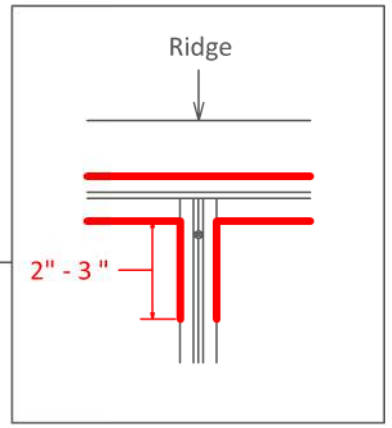
# STAGE 23: SEALING - (16MM 5WALL POLYCARBONATE)

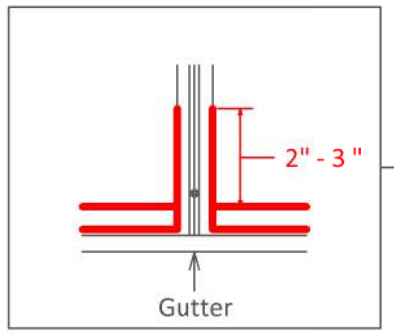
- CLEAR SILICONE (PROGLAZE)
- COLORED CAULKING (TREMCO 830)

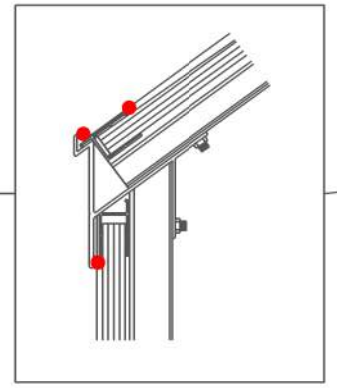


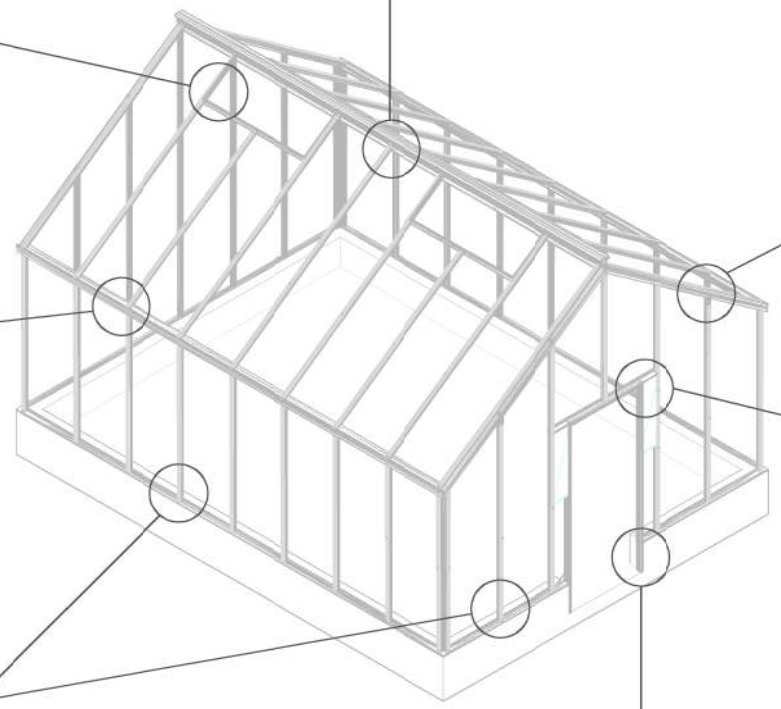



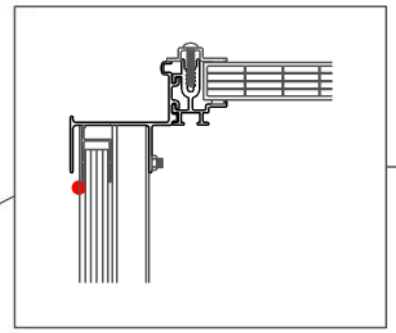


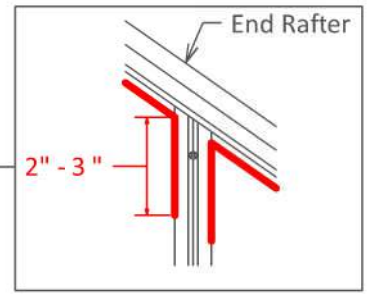


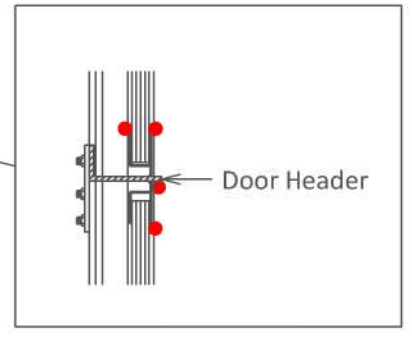



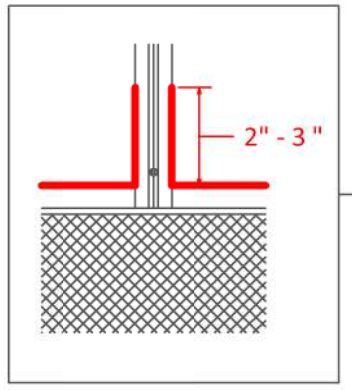



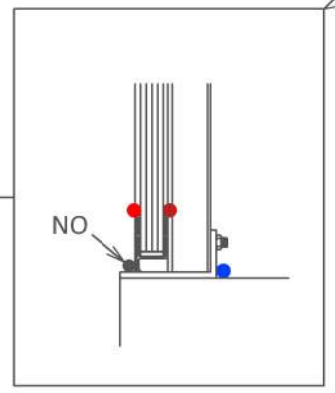


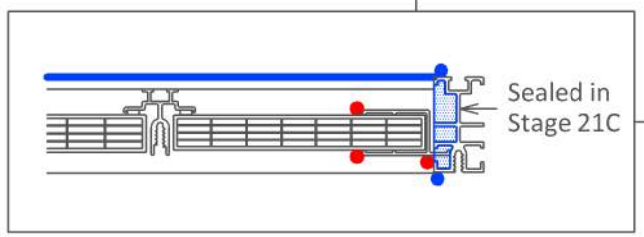


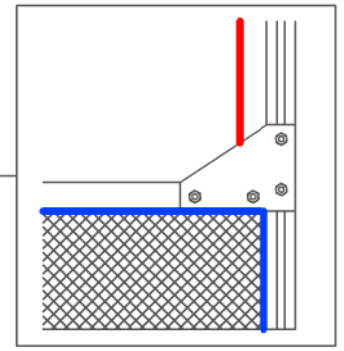


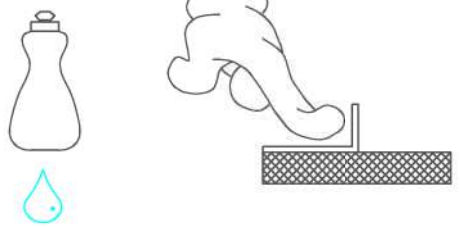





TOOL SEALANTS WITH A SOAPY GLOVED FINGER OR A CAULK-SMOOTHING TOOL.

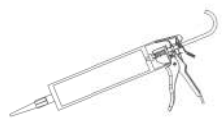
## PRO TIPS

*Sealants are best applied when warm (Room temperature or better)*

## Parts List:

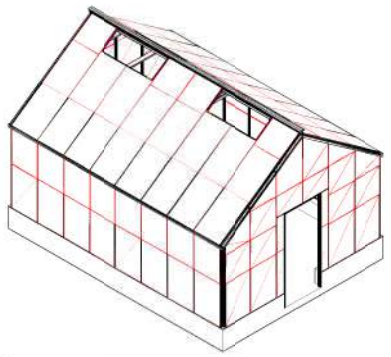

*Silicone*


*Caulking*



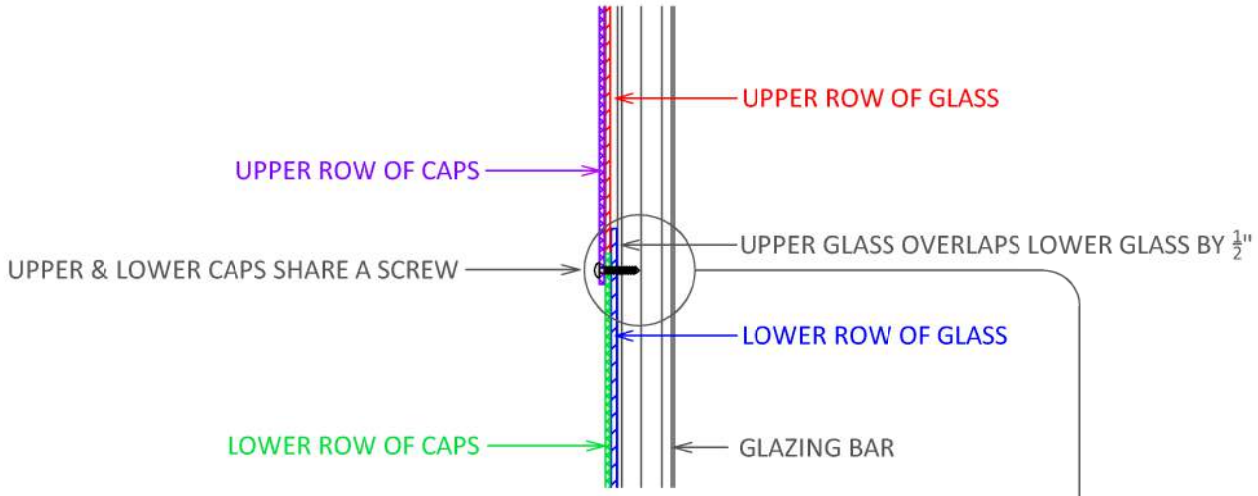
*Caulking Gun*

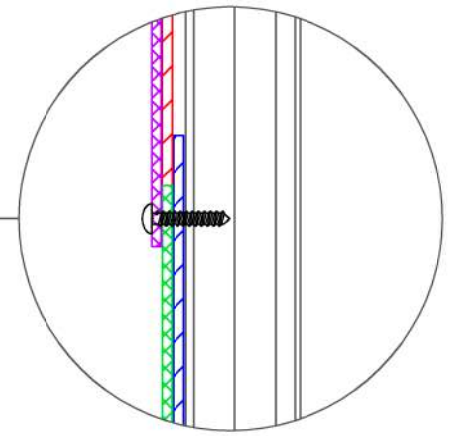
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 24: GLASS OVERLAPS (3MM TEMPERED SINGLE GLASS)

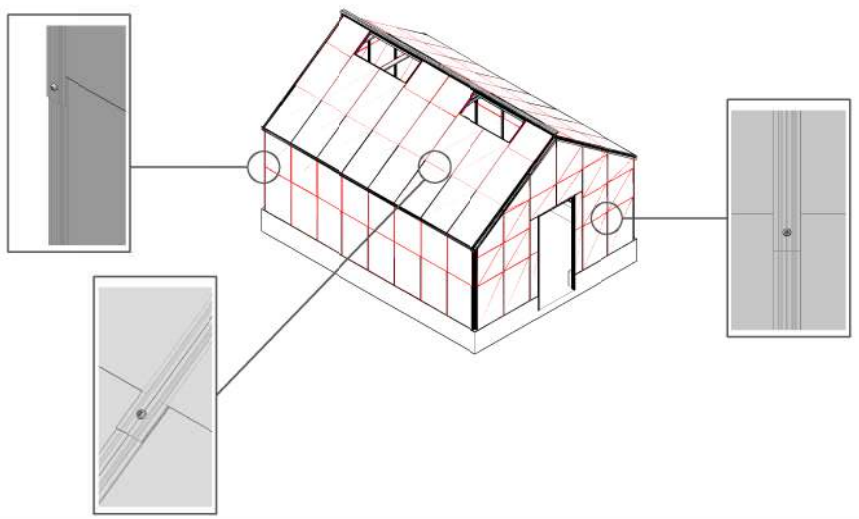
*WARNINGS*
- DO NOT USE A CORDLESS DRILL DURING THIS STAGE- OVER-TIGHTENING THE SCREWS CAN CAUSE THE GLASS TO SHATTER

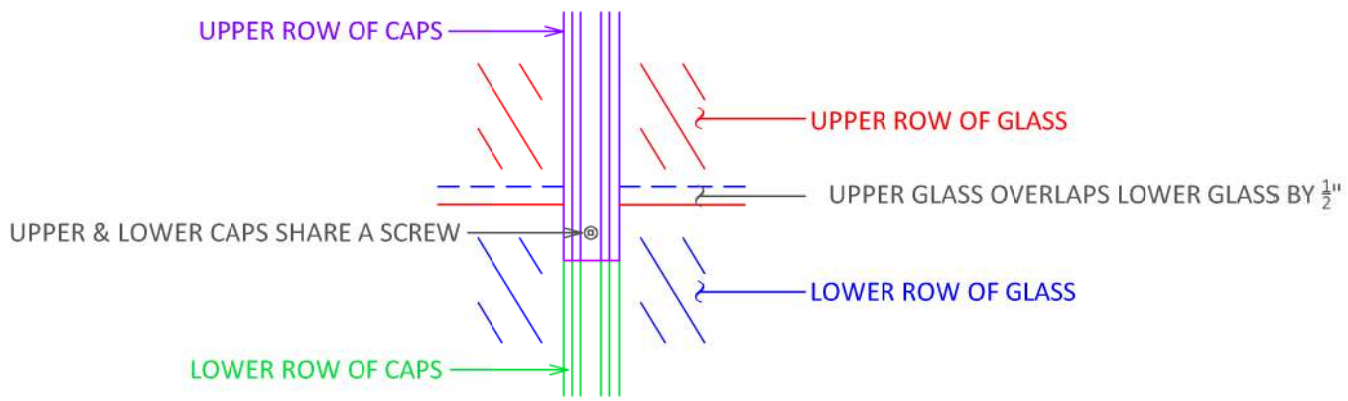


### PRO TIPS

*The only place that the glass won't overlap is the narrow pieces beside a storm door.*






*Parts List:*

*Glazing Caps*

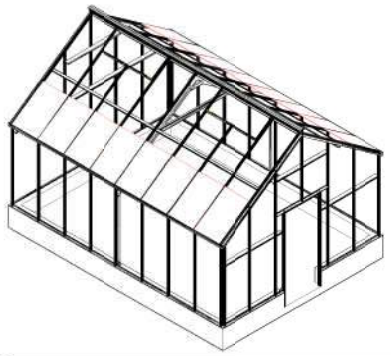


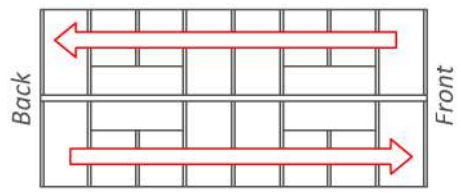
*3mm Tempered Glass Panels*



*#8 x ¾" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM






*GLAZE & CAP THE ROOF IN ORDER FROM BACK TO FRONT AND THEN FRONT TO BACK.*
*ONE ROW OF GLASS AT A TIME.*
*COMPLETE ONE SIDE BEFORE BEGINNING THE NEXT.*

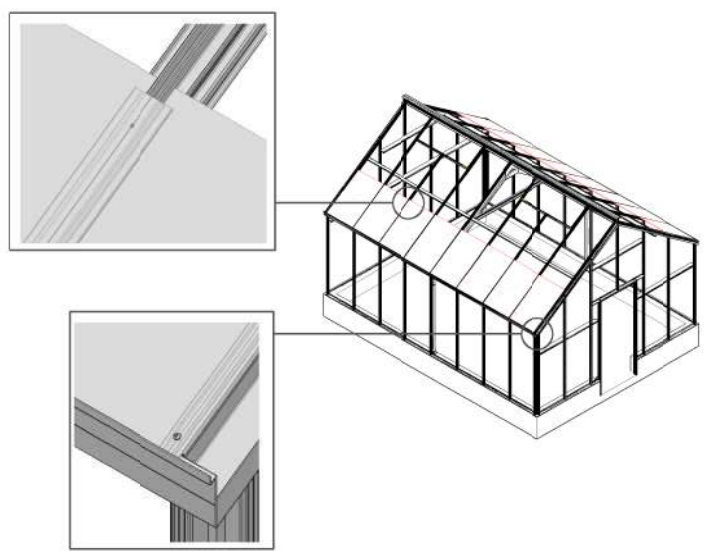
# *STAGE 25A: ROOF GLAZING - (3MM TEMPERED SINGLE GLASS)*

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE GABLE GLAZING BARS .
2. STARTING IN EITHER CORNER, REST THE FIRST GLASS PANEL IN THE GUTTER, LOWER ONTO THE ROOF GLAZING BAR AND PRESS AGAINST THE FOAM TAPE.
3. ATTACH THE FIRST GLASS CAP TO THE END RAFTER WITH $\frac{3}{4}$" #8 SCREWS. ENSURE THE CAP IS TIGHT TO THE GUTTER

REPEAT FOR ENTIRE BOTTOM ROW OF ROOF GLASS.

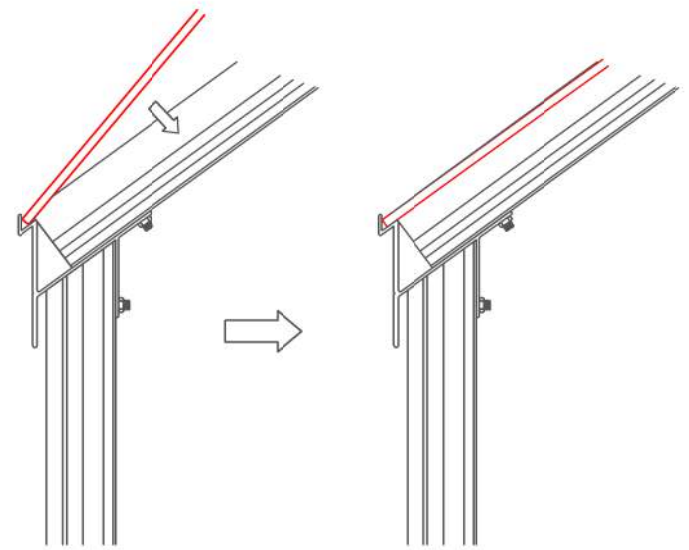
CONTINUE ON NEXT PAGE



1

Peel paper from Foam Tape

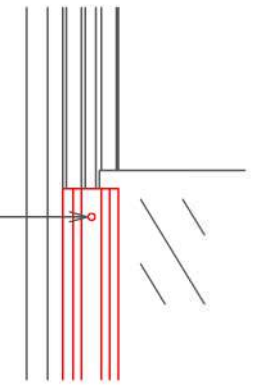
2



*Side View*

*PRO TIPS*

*Your Greenhouse will come with a Glass Map showing you the location and dimensions of every piece of glass and cap.*

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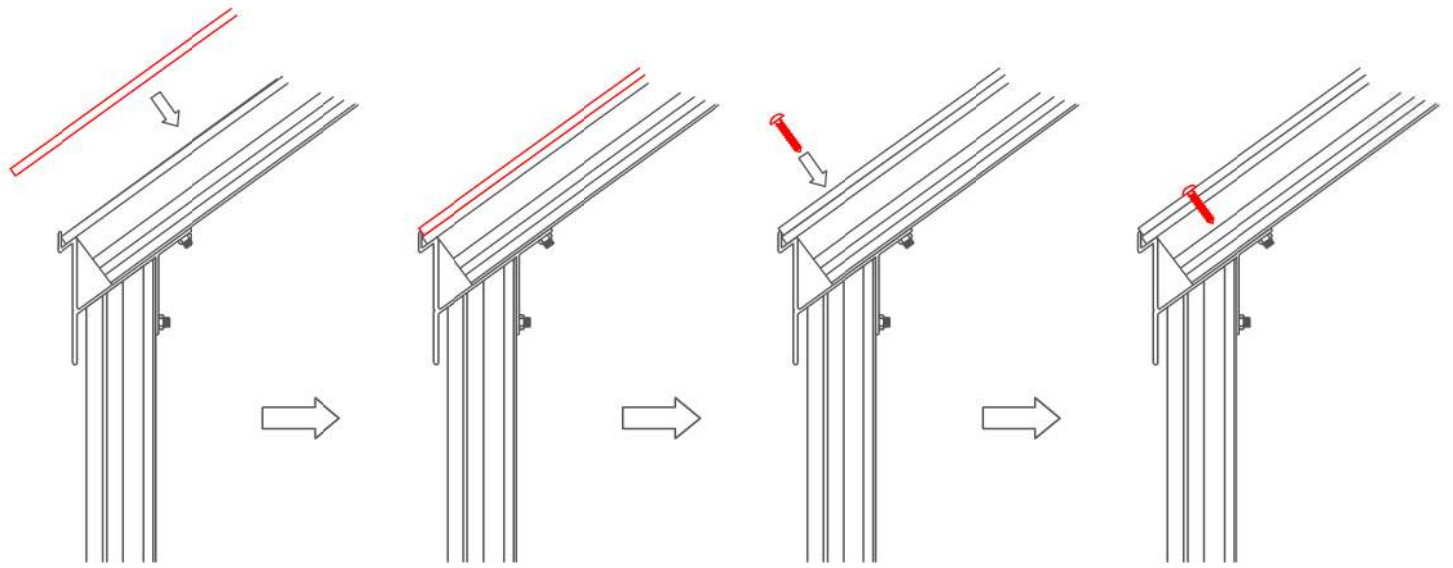


*Parts List:*

*Glazing Caps*

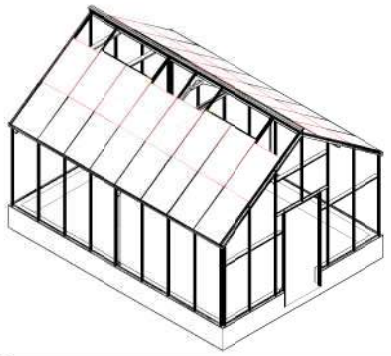


*3mm Tempered Glass Panels*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



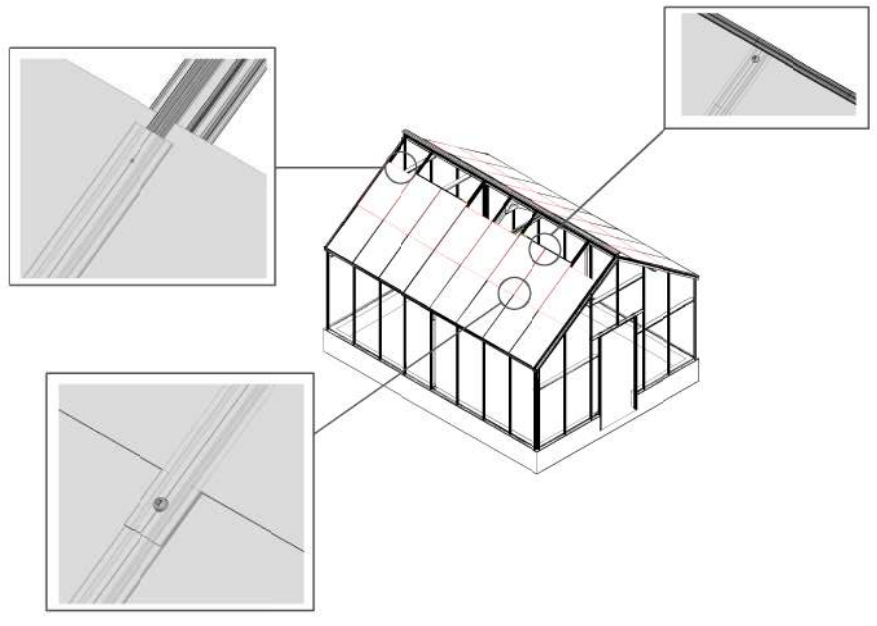
## STAGE 25B: ROOF GLAZING - (3MM TEMPERED SINGLE GLASS)

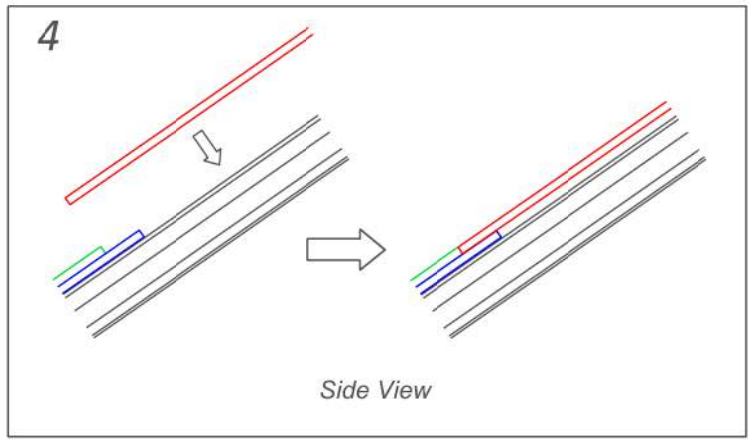
*STEPS:*

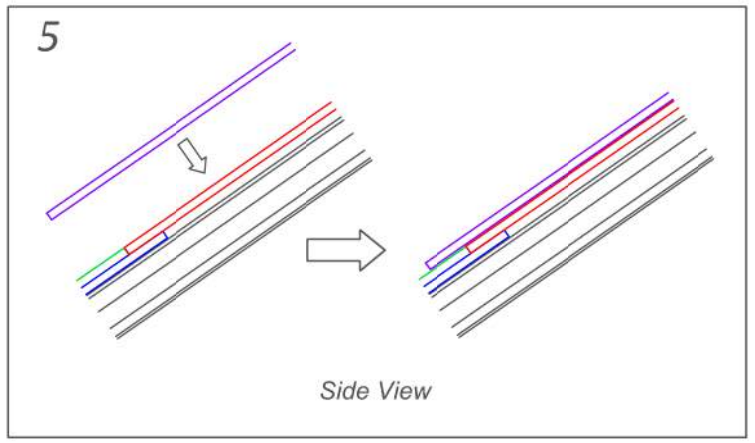
4. STARTING AT ONE END, REST THE NEXT ROW OF GLASS PANELS ON TOP OF THE CAPS BELOW AND PRESS TIGHT AGAINST THE GLAZING FOAM
5. SET THE NEXT CAP IN PLACE SO THAT THE TOP & BOTTOM HOLES OVERLAP
6. SECURE THE CAP WITH $\frac{3}{4}$" #8 SCREWS LEAVING THE TOP HOLE ON THE CAP EMPTY

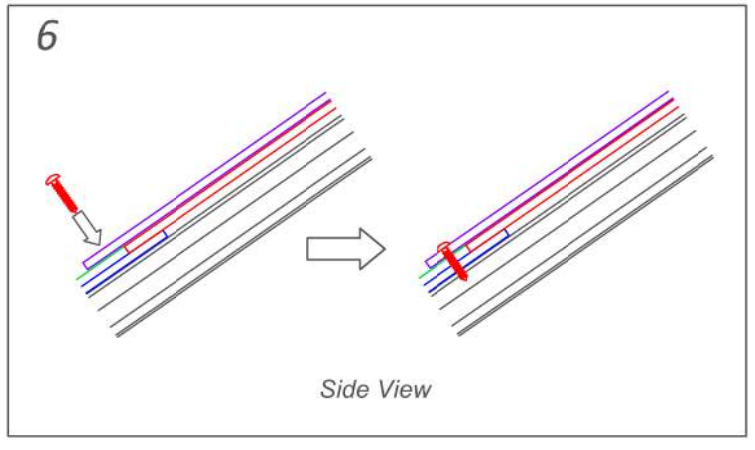
REPEAT FOR ALL REMAINING ROWS OF GLASS OTHER THAN THE TOP ROW

CONTINUE ON NEXT PAGE



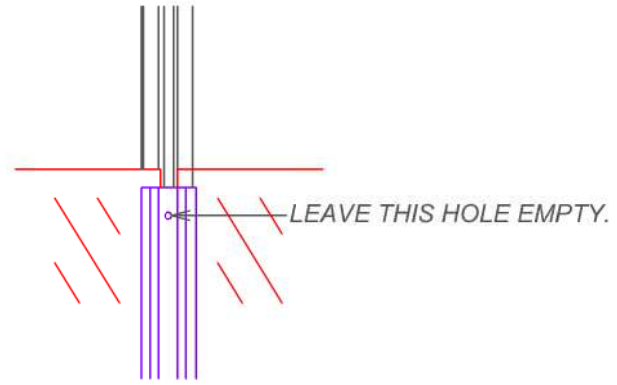


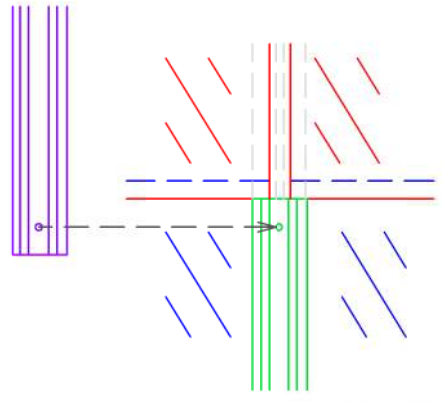




### PRO TIPS

*Your Greenhouse will come with a Glass Map showing you the location and dimensions of every piece of glass and the cap.*



*BOTTOM HOLE OF UPPER CAP & TOP HOLE OF LOWER CAP WILL LINE UP & SHARE A SINGLE SCREW.*

*Parts List:*

*Glazing Caps*

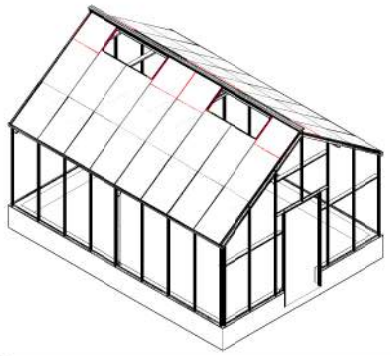


*3mm Tempered Glass Panels*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

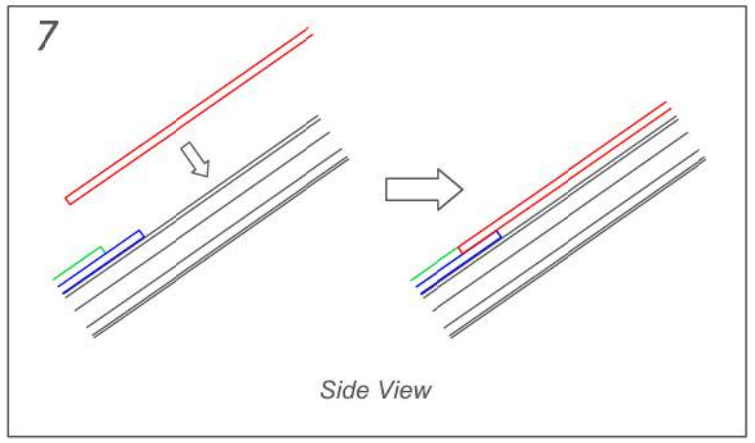


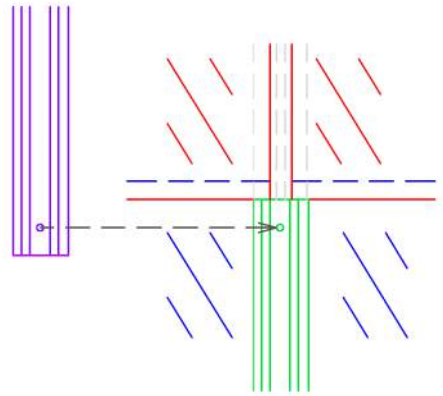
# STAGE 25C: ROOF GLAZING - (3MM TEMPERED SINGLE GLASS)

*STEPS:*

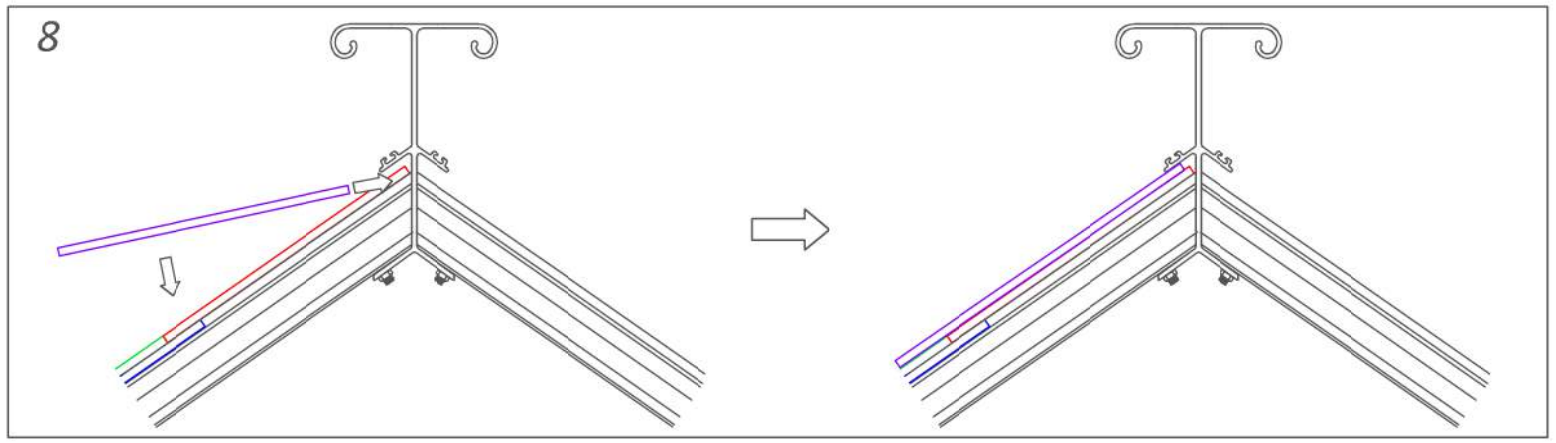
7. STARTING AT ONE END, REST THE NEXT ROW OF GLASS PANELS ON TOP OF THE CAPS BELOW AND PRESS TIGHT AGAINST THE GLAZING FOAM .
8. SLIP THE TOP OF THE NEXT CAP BENEATH THE RIDGE AND SET IN PLACE SO THAT THE TOP & BOTTOM HOLES OVERLAP.
9. SECURE THE CAP WITH $\frac{3}{4}$" #8 SCREWS.

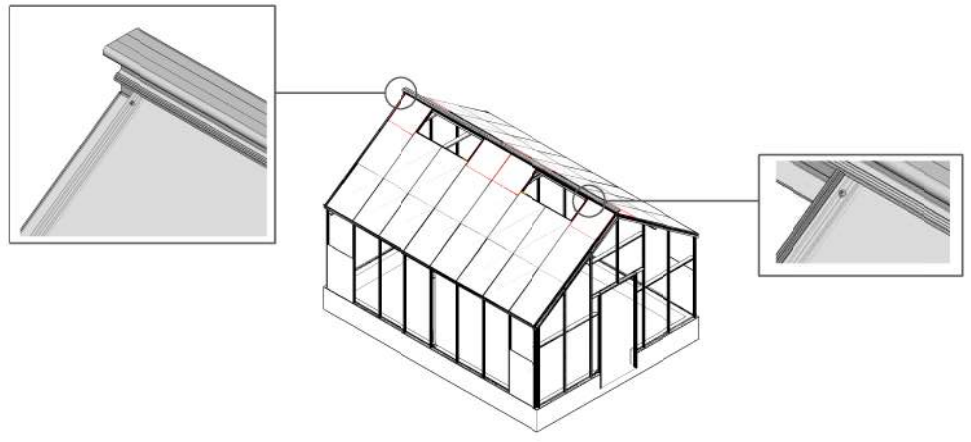
REPEAT FOR REMAINING PIECES IN THE TOP ROW OF ROOF GLASS

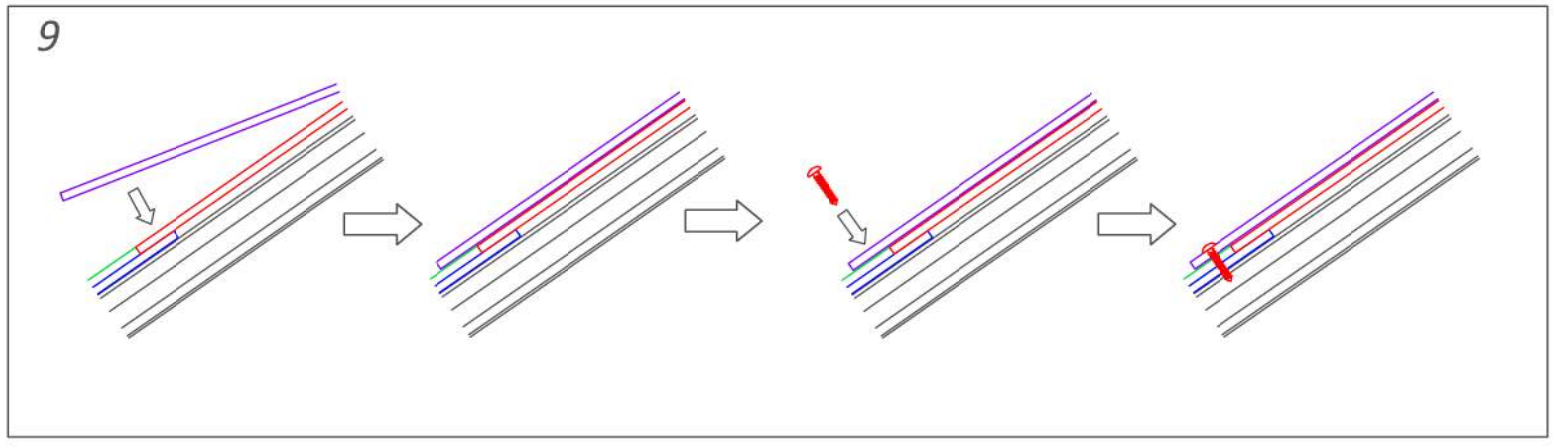


*BOTTOM HOLE OF UPPER CAP & TOP HOLE OF LOWER CAP WILL LINE UP & SHARE A SINGLE SCREW.*





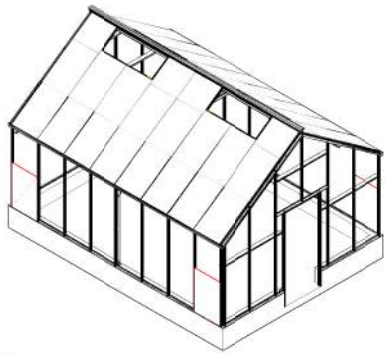

*Parts List:*

*Glazing Caps*

*3mm Tempered Glass Panels*

*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



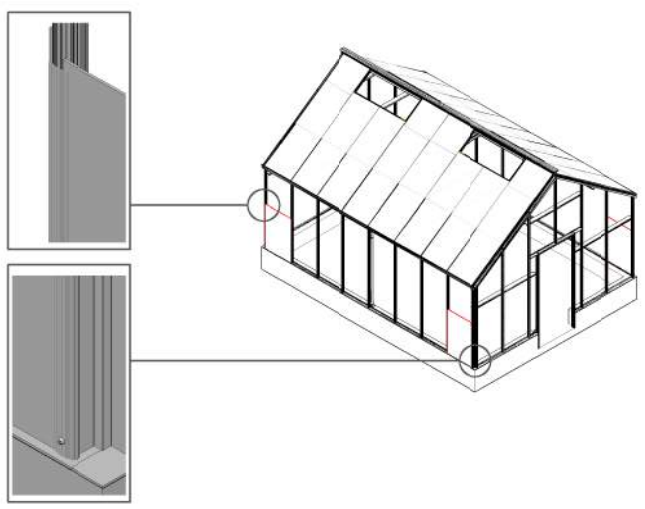
# STAGE 26A: SIDE WALL GLAZING - (3MM TEMPERED SINGLE GLASS)

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. INSTALL THE FIRST GLASS PANEL IN ANY SIDE WALL CORNER AND PRESS TIGHT AGAINST THE FOAM TAPE .
3. ATTACH THE GLASS CAP TO THE CORNER POST ONLY WITH $\frac{3}{4}$" #8 SCREWS.

REPEAT FOR REMAINING SIDE WALL CORNERS

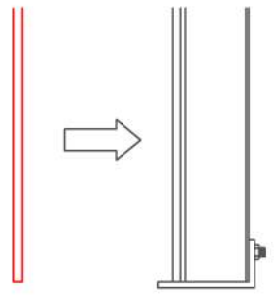
CONTINUE ON NEXT PAGE



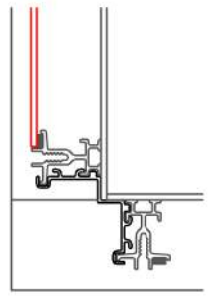
1

Peel paper from Foam Tape

2

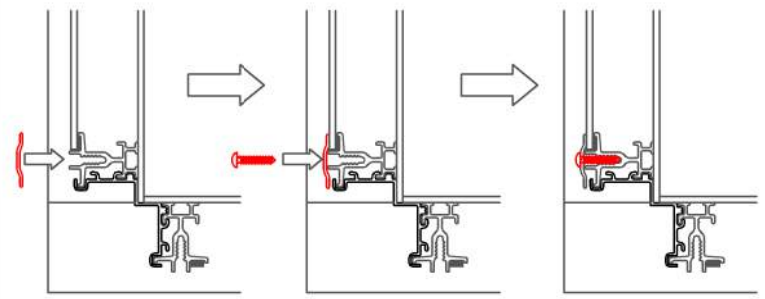


*Side View*



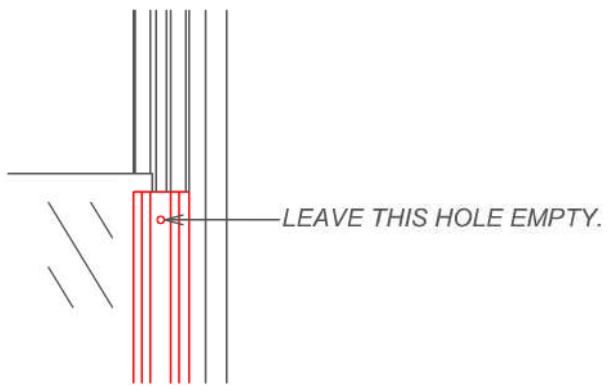
*Top View*

3



## PRO TIPS

*Your Greenhouse will come with a Glass Map showing you the location and dimensions of every piece of glass and cap.*




## *Parts List:*

*Glazing Caps*

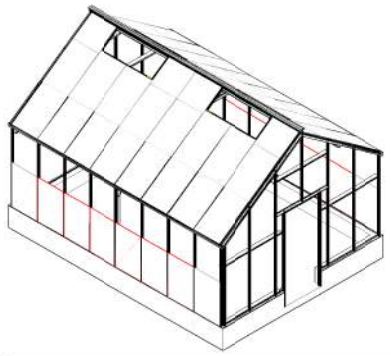


*3mm Tempered Glass Panels*

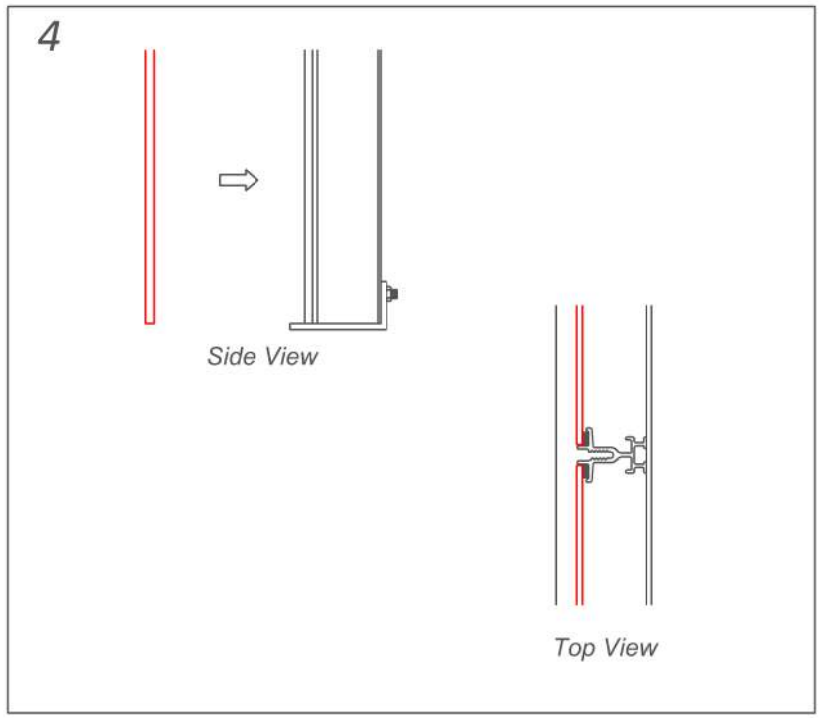


*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 26B: SIDE WALL GLAZING - (3MM TEMPERED SINGLE GLASS)




## PRO TIPS

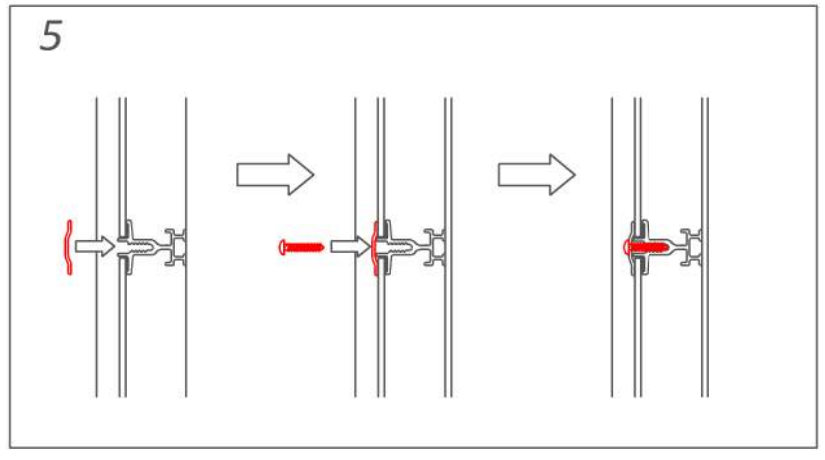
*Do not over-tighten the screws. You want to make the screw snug plus a quarter turn.*

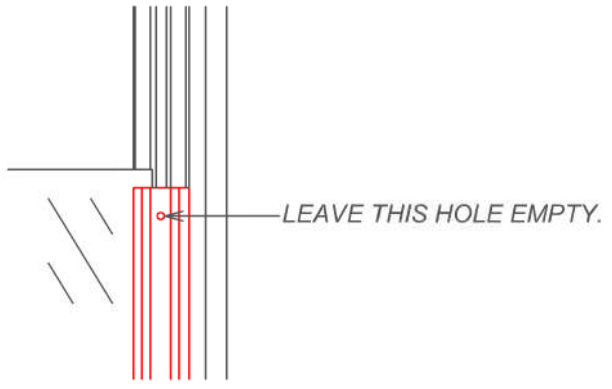
*STEPS:*

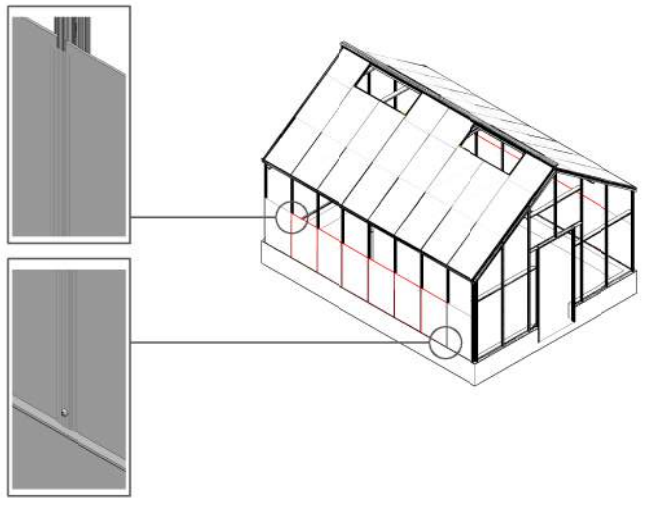
4. INSTALL THE REMAINING GLASS PANELS IN THE BOTTOM ROW OF SIDE WALL GLASS .
5. ATTACH THE REMAINING GLASS CAPS TO THE BOTTOM ROW OF GLASS.

REPEAT FOR ENTIRE BOTTOM ROW OF SIDE WALL GLASS

CONTINUE ON NEXT PAGE



*Parts List:*

*Glazing Caps*

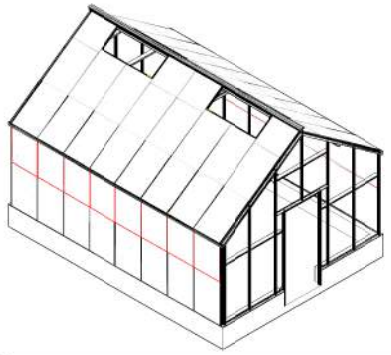


*3mm Tempered Glass Panels*



*#8 x ¾" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



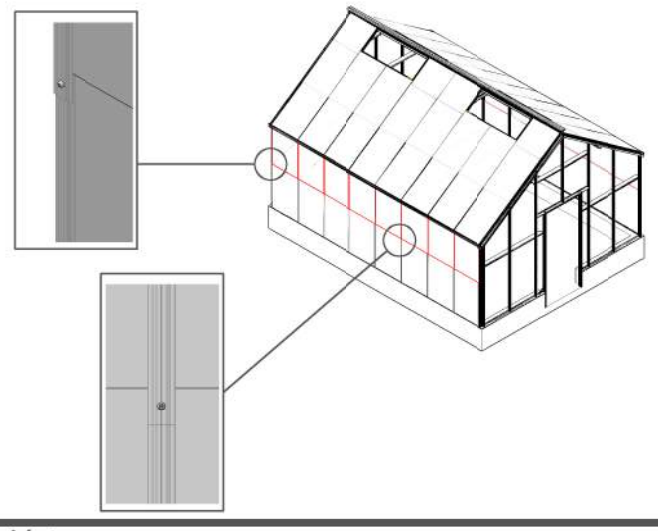
# STAGE 26C: GLASS OVERLAPS (3MM TEMPERED SINGLE GLASS)

*STEPS:*

6. STARTING AT ONE END, TUCK THE TOP OF THE GLASS PANEL BENEATH THE GUTTER..
7. REST THE GLASS PANEL ON TOP OF THE CAP BELOW AND PRESS TIGHT AGAINST THE FOAM TAPE.
8. SLIP THE FIRST CAP BENEATH THE GUTTER AND LINE IT UP SO THAT THE BOTTOM HOLE LINES UP WITH THE TOP HOLE ON THE CAP BELOW.

SECURE CAPS WITH $\frac{3}{4}$" #8 SCREWS

REPEAT FOR ENTIRE TOP ROW OF SIDE WALL GLASS



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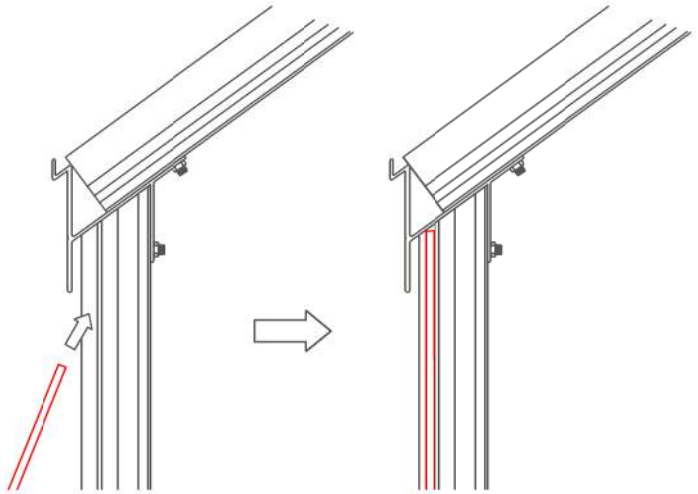

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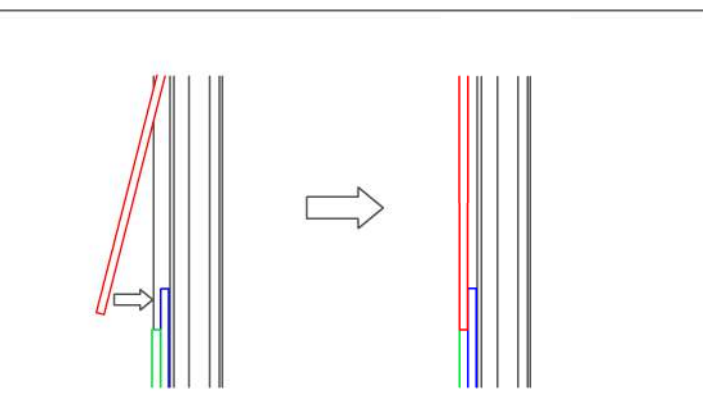

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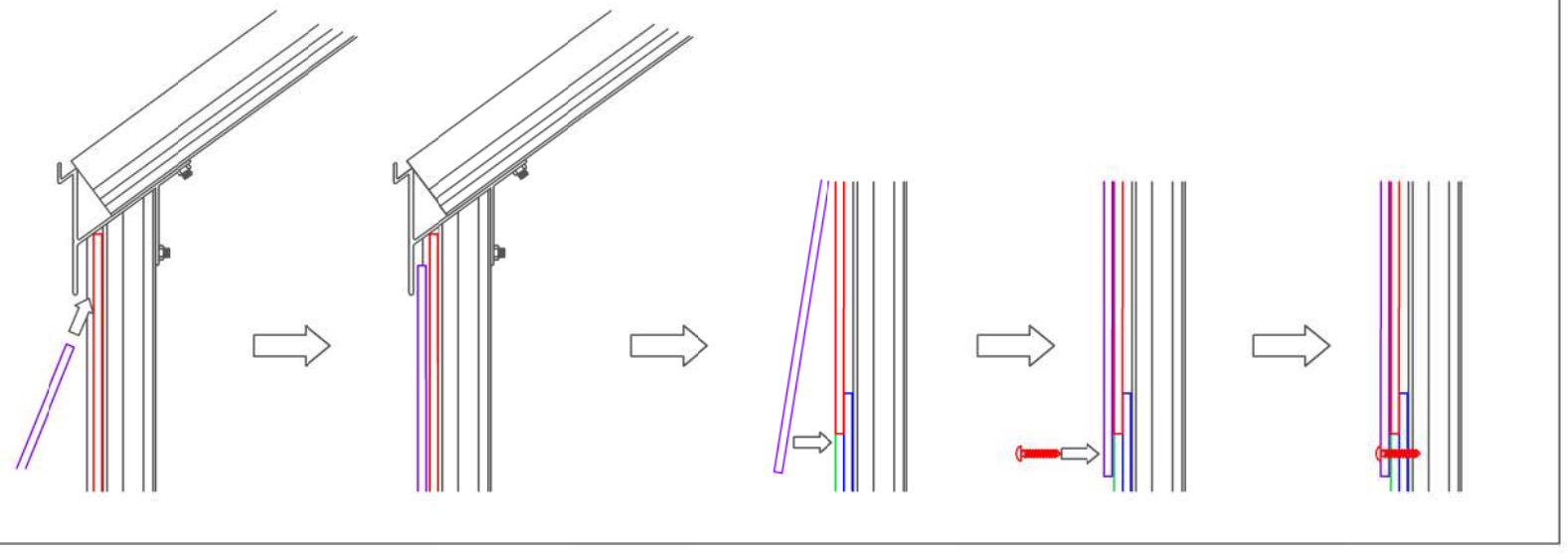
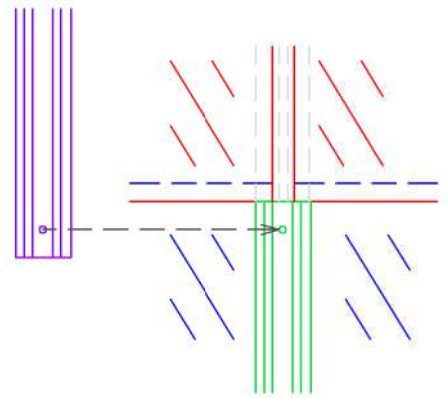


## PRO TIPS

*The only place that the glass won't overlap is the narrow pieces beside a storm door.*



*BOTTOM HOLE OF UPPER CAP & TOP HOLE OF LOWER CAP WILL LINE UP & SHARE A SINGLE SCREW.*

## Parts List:

*Glazing Caps*

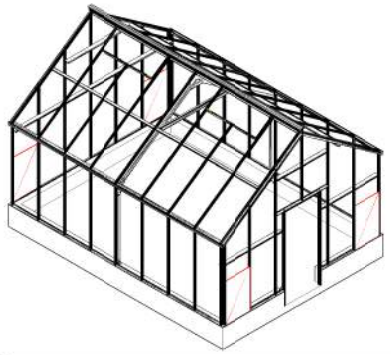


*3mm Tempered Glass Panels*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



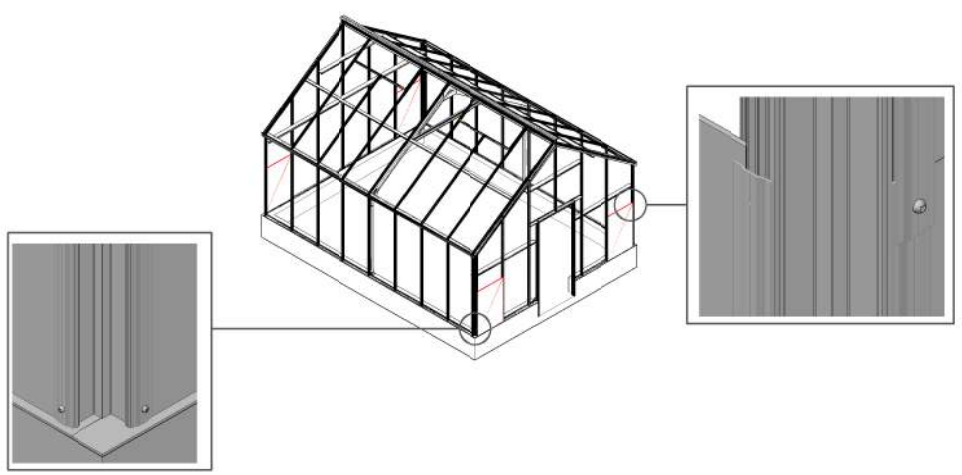
# STAGE 27A: GABLE GLAZING - (3MM TEMPERED SINGLE GLASS)

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE GABLE GLAZING BARS .
2. INSTALL THE FIRST GLASS PANEL IN ANY GABLE CORNER .
3. ATTACH THE GLASS CAP TO THE CORNER POST ONLY WITH $\frac{3}{4}$" #8 SCREWS.

REPEAT FOR REMAINING GABLE CORNERS

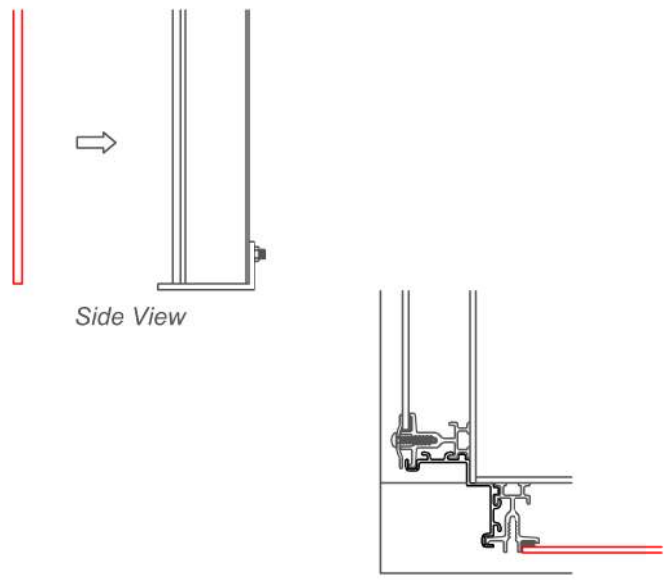
CONTINUE ON NEXT PAGE



1

Peel paper from Foam Tape

2

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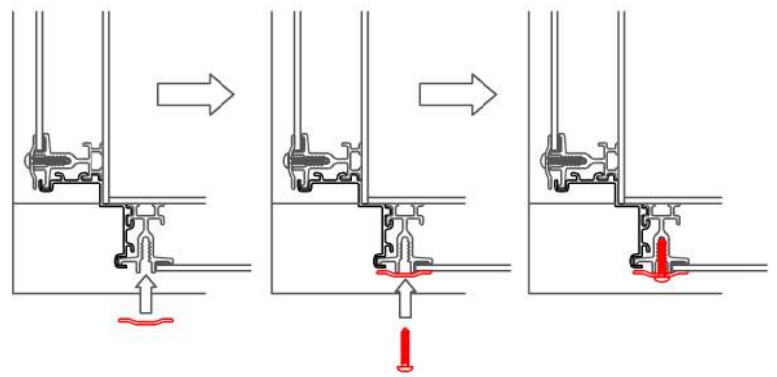
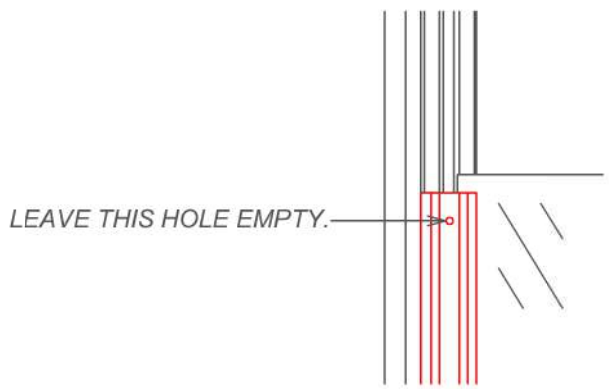





## PRO TIPS

*Your Greenhouse will come with a Glass Map showing you the location and dimensions of every piece of glass and the cap.*

## Parts List:

*Glazing Caps*

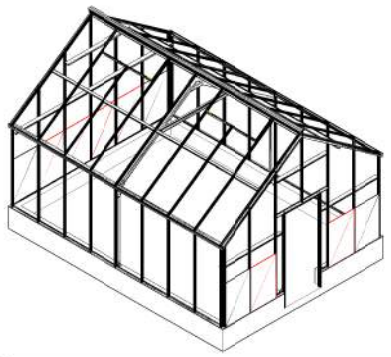


*3mm Tempered Glass Panels*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

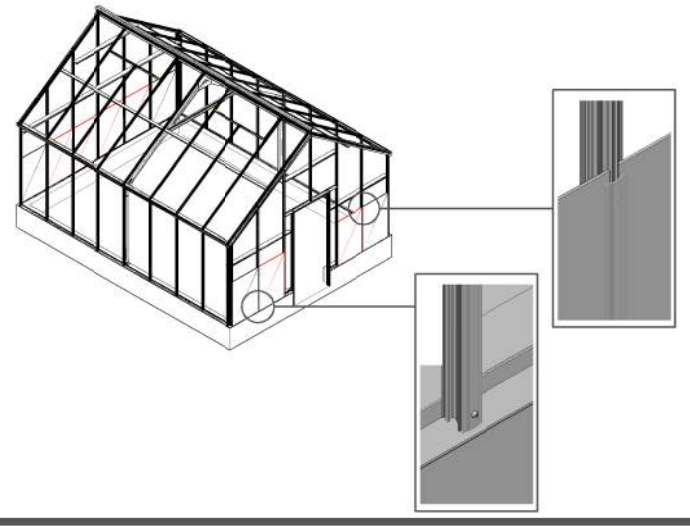


# STAGE 27B: GABLE GLAZING - (3MM TEMPERED SINGLE GLASS)

<u>STEPS:</u>
4. INSTALL THE REMAINING GLASS PANELS IN THE BOTTOM ROW OF GABLE GLASS
   <u>EXCEPT</u> THE NARROW PIECES BESIDE THE STORM DOOR .
5. ATTACH THE REMAINING GLASS CAPS TO THE BOTTOM ROW OF GLASS AS YOU GO.

REPEAT FOR ENTIRE BOTTOM ROW OF GABLE GLASS

CONTINUE ON NEXT PAGE



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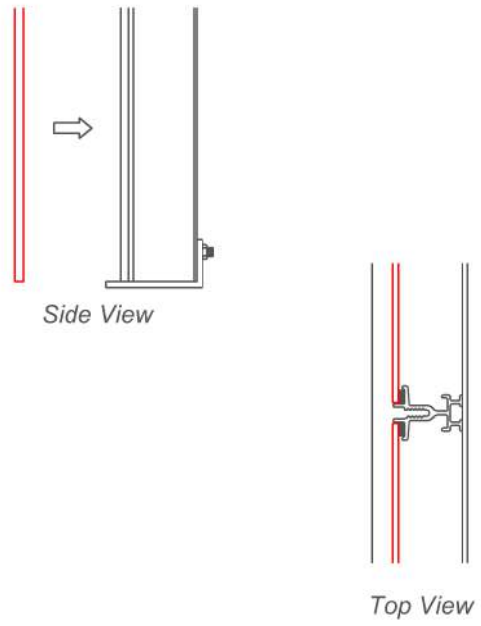


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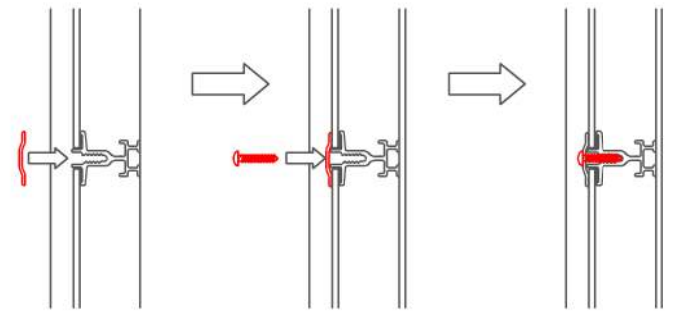
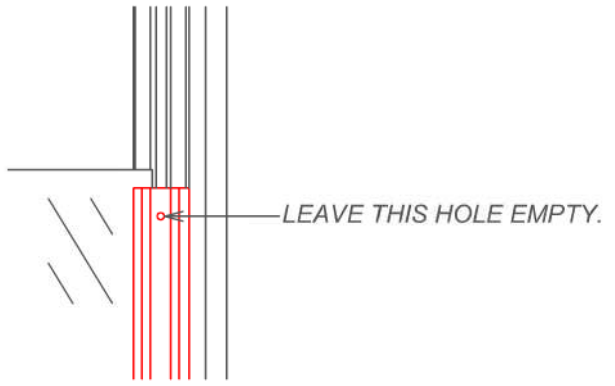


## PRO TIPS

*Do not over-tighten the screws. You want to make the screw snug plus a quarter turn.*




## Parts List:

*Glazing Caps*



*3mm Tempered Glass Panels*



*#8 x ¾" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

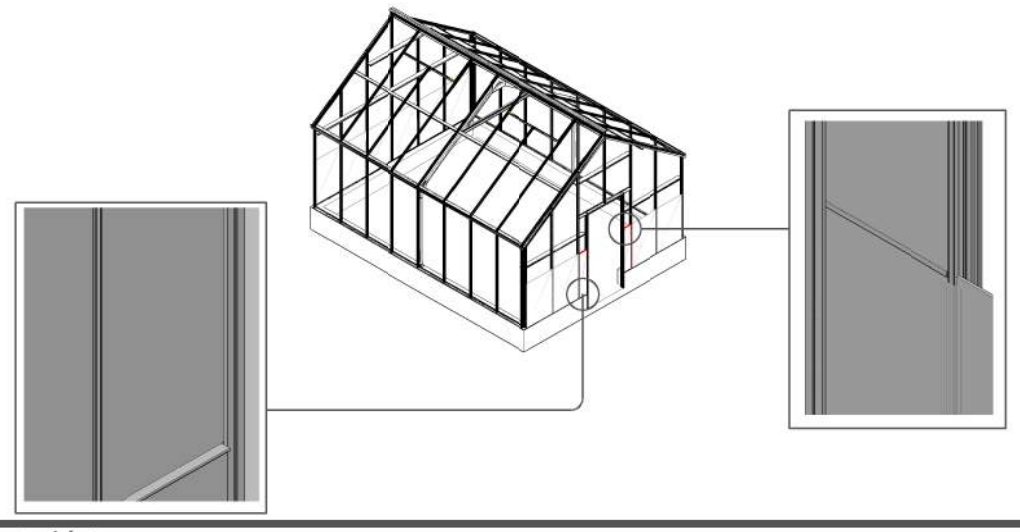
# STAGE 27C: GABLE GLAZING (BESIDE DOOR) (3MM TEMPERED SINGLE GLASS)

*STEPS:*

6. FILL THE GAP BETWEEN THE BASE AND DOOR FRAME WITH CAULKING.
7. PLACE A PLASTIC H-CAM ON THE TOP OF THE FIRST PIECE OF GLASS BESIDE THE DOOR.
8. INSERT THE GLASS PANEL INTO THE SIDE OF THE DOOR FRAME AND PRESS TIGHT AGAINST THE FOAM TAPE.
9. SECURE GLASS PANEL WITH CAP AND $\frac{3}{4}$" #8 SCREWS

REPEAT FOR REMAINING GLASS PANELS BESIDE STORM DOOR

CONTINUE ON NEXT PAGE



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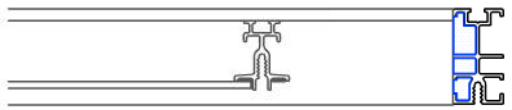

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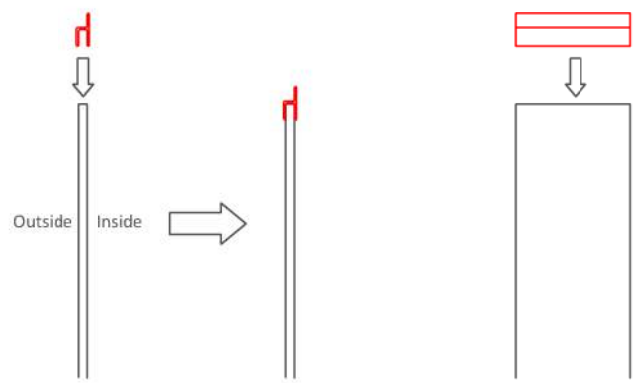
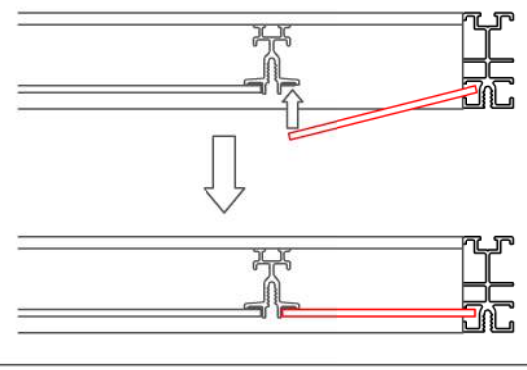



*Side View*

8



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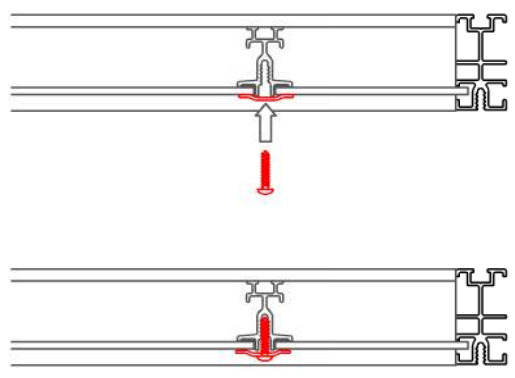
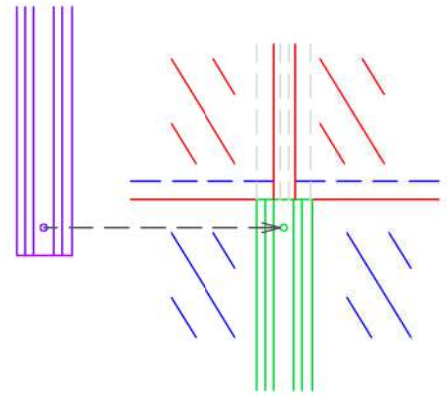




*BOTTOM HOLE OF UPPER CAP & TOP HOLE OF LOWER CAP WILL LINE UP & SHARE A SINGLE SCREW.*

## PRO TIPS

*Do not over-tighten the screws. You want to make the screw snug plus a quarter turn.*

## *Parts List:*

*Glazing Caps*



*3mm Tempered Glass Panels*

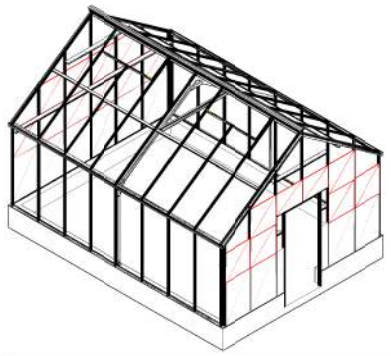


*#8 x $\frac{3}{4}$" S.S. Screws*

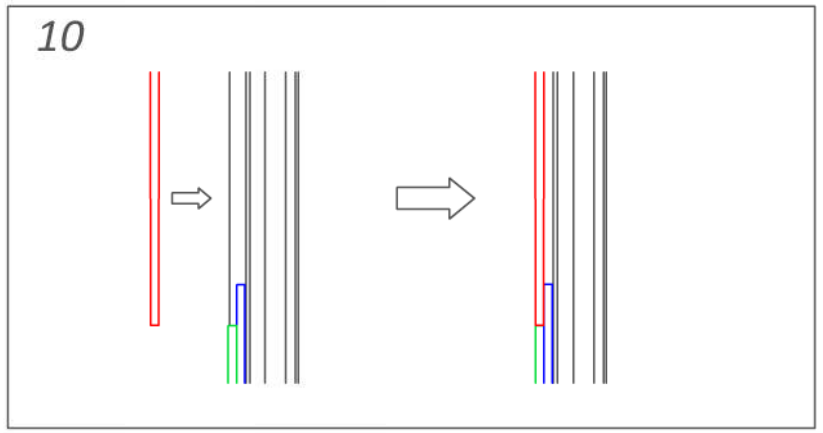
*h-cam*

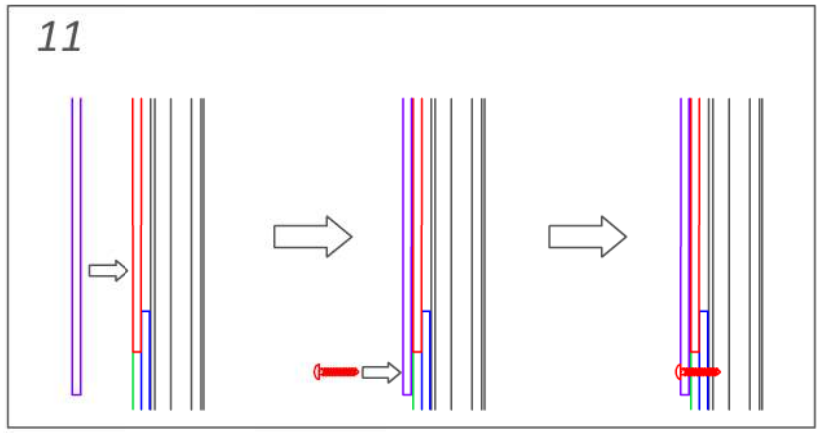
*Caulking*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



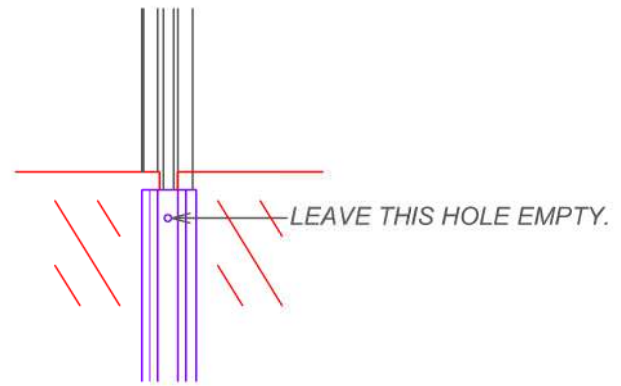
## STAGE 27D: GABLE GLAZING - (3MM TEMPERED SINGLE GLASS)




### PRO TIPS

*Do not over-tighten the screws. You want to make the screw snug plus a quarter turn.*




*STEPS:*

10. STARTING AT ONE CORNER, REST THE GLASS PANELS ON TOP OF THE CAPS BELOW AND PRESS TIGHT AGAINST THE GLAZING FOAM
11. SECURE THE CAP WITH $\frac{3}{4}$" #8 SCREWS LEAVING THE TOP HOLE ON THE CAP EMPTY

REPEAT FOR REMAINING SQUARE CUT GABLE GLASS

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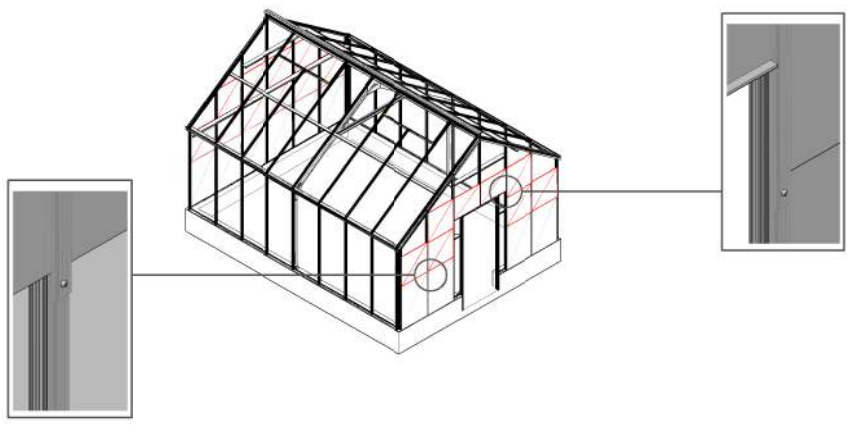
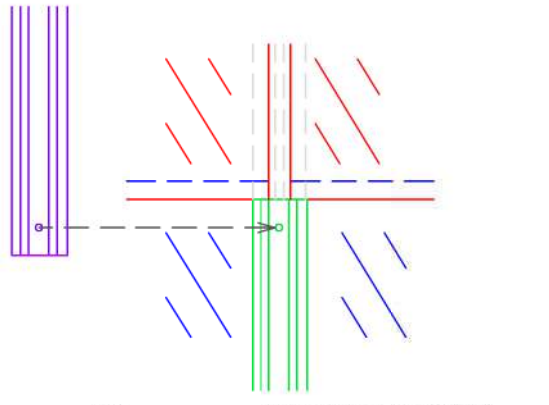




*BOTTOM HOLE OF UPPER CAP & TOP HOLE OF LOWER CAP WILL LINE UP & SHARE A SINGLE SCREW.*

*Parts List:*

*Glazing Caps*

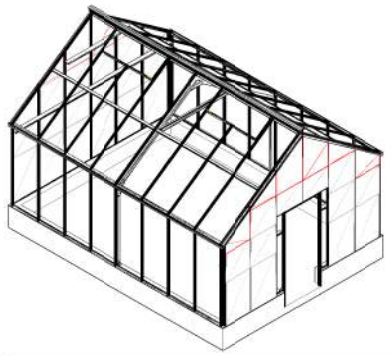


*3mm Tempered Glass Panels*

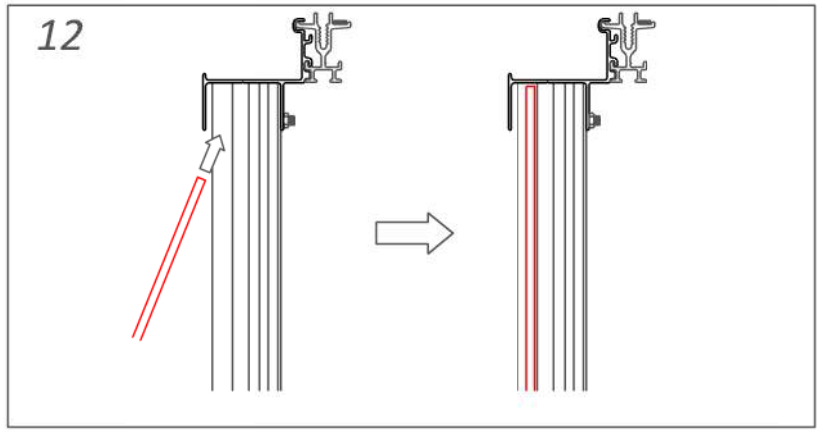


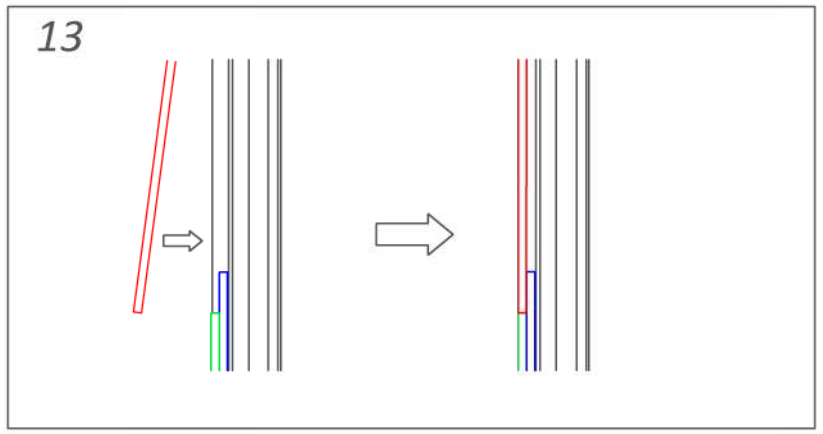
*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



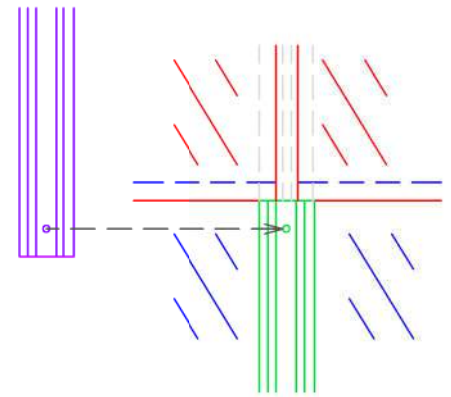
# STAGE 27E: GABLE GLAZING - (3MM TEMPERED SINGLE GLASS)




## PRO TIPS

*Short Caps may be buckled or crimped on one end to make it easier for them to fit beneath the End Rafter*

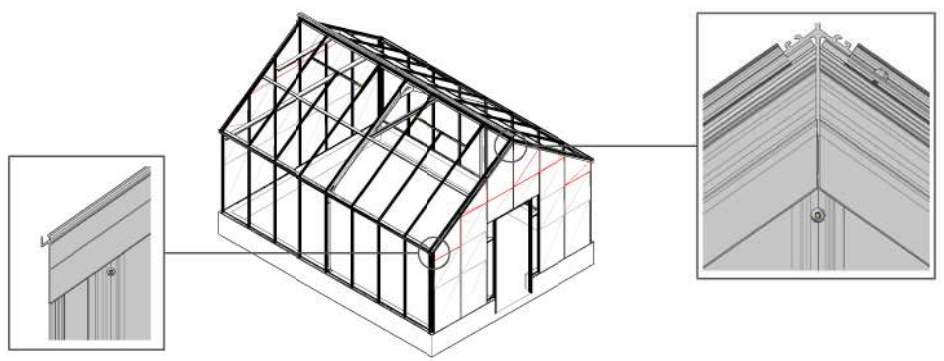


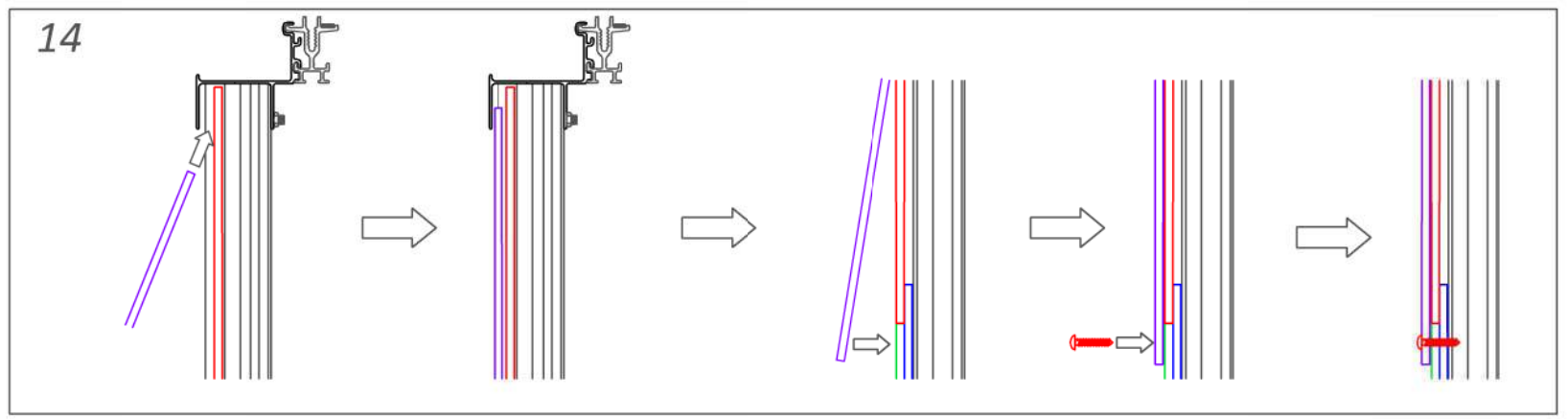
*BOTTOM HOLE OF UPPER CAP & TOP HOLE OF LOWER CAP WILL LINE UP & SHARE A SINGLE SCREW.*

*STEPS:*

12. STARTING AT ONE CORNER,SLIP THE ANGLE CUT GLASS PANEL BENEATH THE END RAFTER.
13. REST THE GLASS PANELS ON TOP OF THE CAPS BELOW AND PRESS TIGHT AGAINST THE GLAZING FOAM
14. SLIP THE TOP OF THE CAP BENEATH THE END RAFTER & SECURE THE CAP WITH $\frac{3}{4}$" #8 SCREWS.

REPEAT FOR REMAINING ANGLE CUT GABLE GLASS






*Parts List:*

*Glazing Caps*



*3mm Tempered Glass Panels*

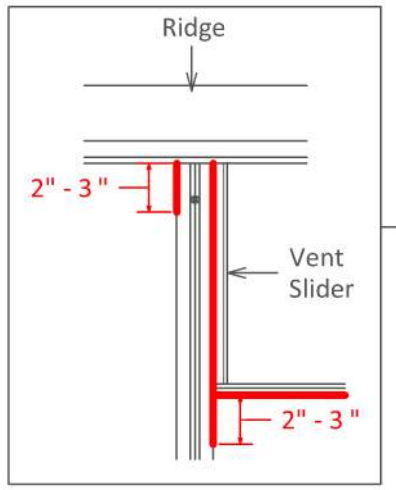


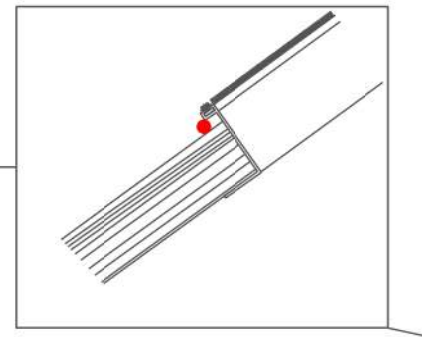
*#8 x $\frac{3}{4}$" S.S. Screws*

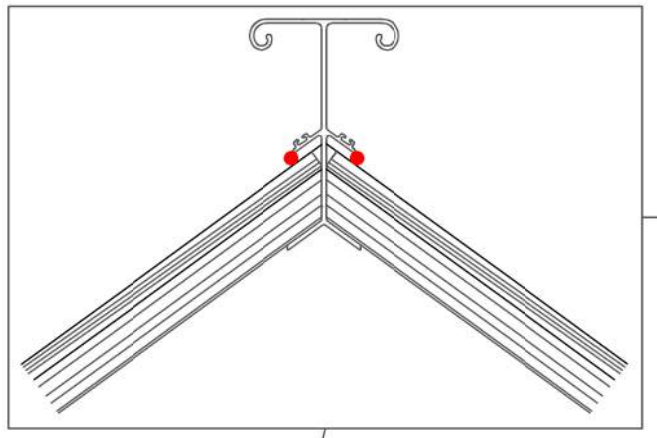
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

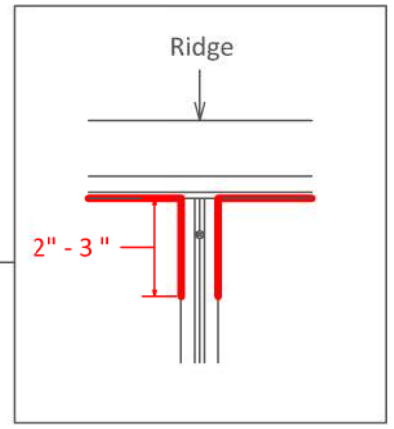
# STAGE 28: SEALING - (3mm SINGLE GLASS)

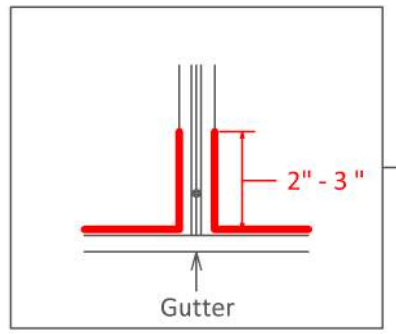
- CLEAR SILICONE (PROGLAZE)
- COLORED CAULKING (TREMCO 830)

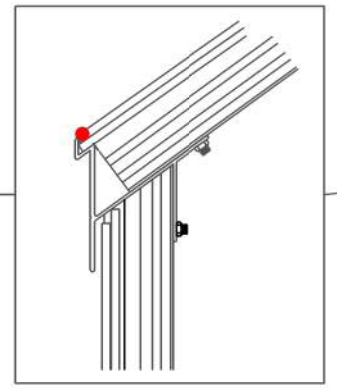


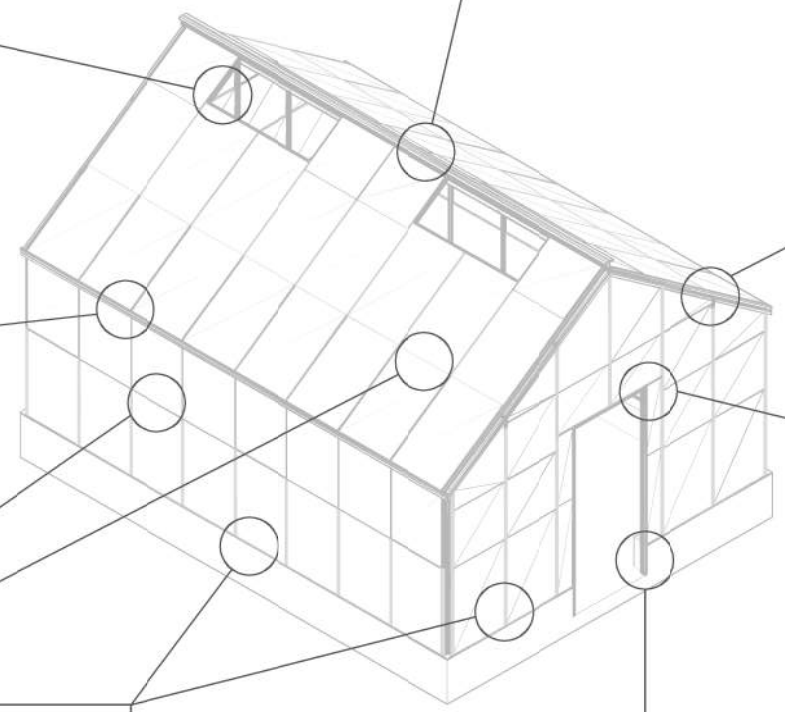



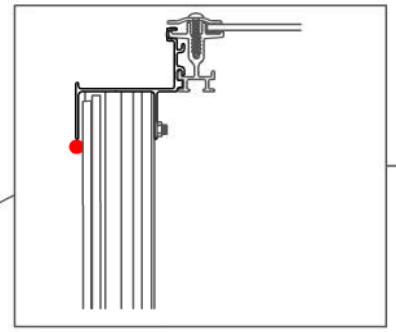


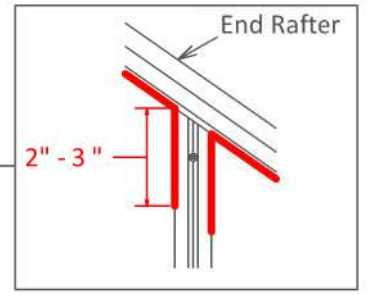


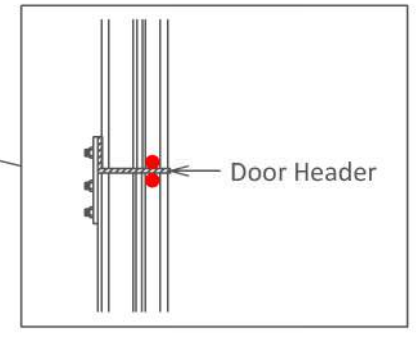



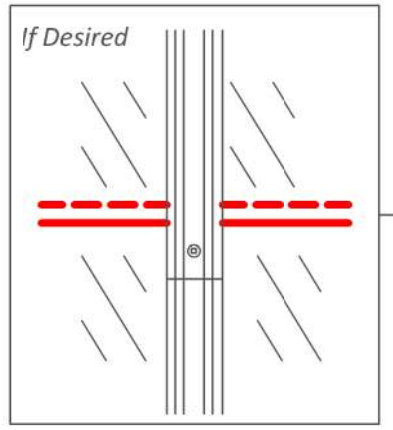



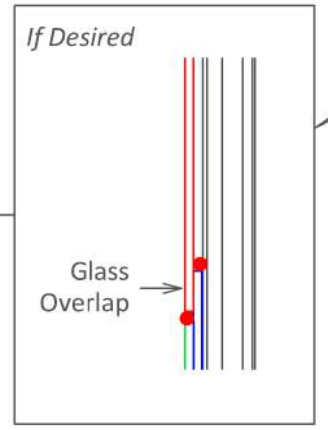


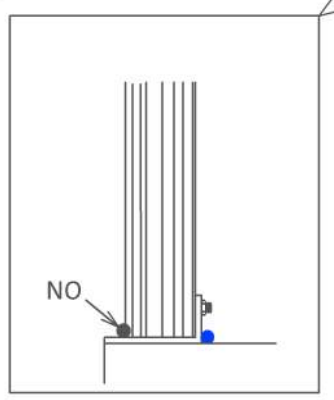


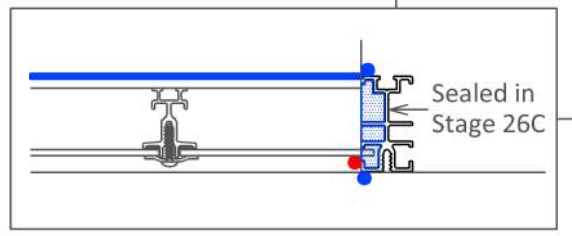


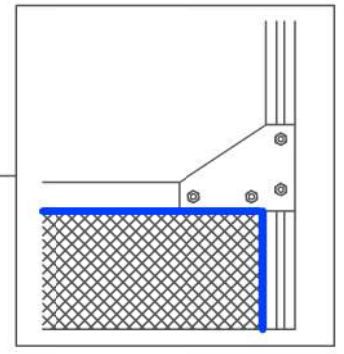



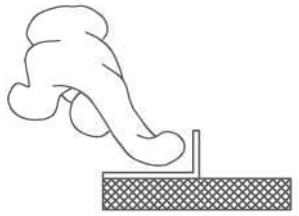



## PRO TIPS

*Sealants are best applied when warm (Room temperature or better)*



*TOOL SEALANTS WITH A SOAPY GLOVED FINGER OR A CAULK-SMOOTHING TOOL.*

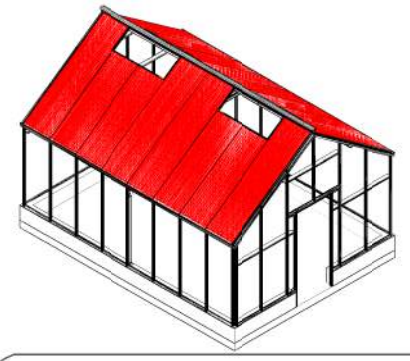
## Parts List:

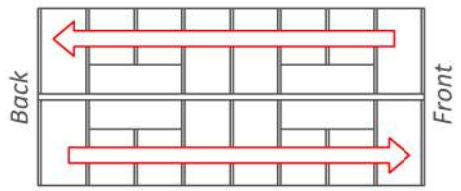

*Silicone*


*Caulking*

*Caulking Gun*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM





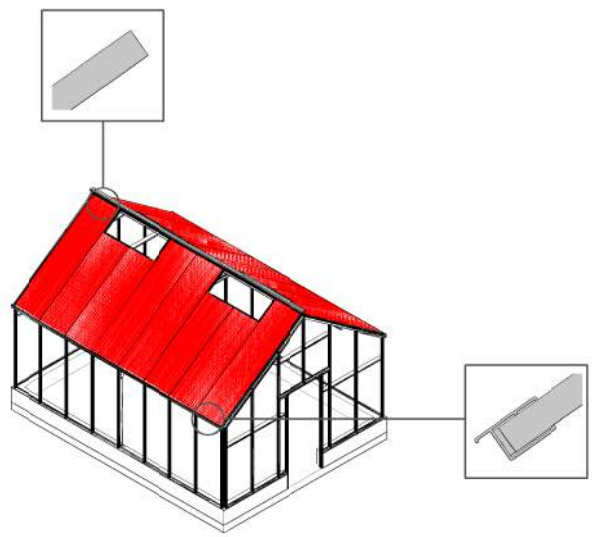

*GLAZE & CAP THE ROOF IN ORDER FROM BACK TO FRONT AND THEN FRONT TO BACK. COMPLETE ONE SIDE BEFCRE BEGINNING THE NEXT.*

# STAGE 29A: ROOF GLAZING - (16MM DOUBLE GLASS)

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE ROOF GLAZING BARS .
2. PLACE THE H-CHANNEL ONTO THE BOTTOM OF A GLASS PANEL

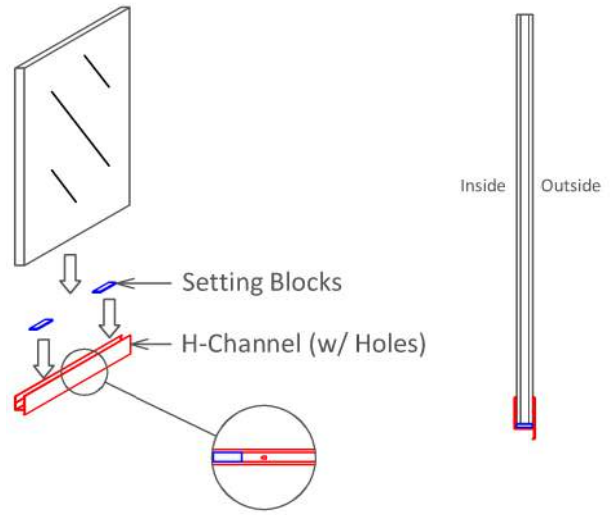
CONTINUE ON NEXT PAGE



1

Peel paper from Foam Tape

2




Do Not cover holes.

## PRO TIPS

*Have one person working outside the greenhouse and one on the inside to help fit the glass panels into the Ridge.*

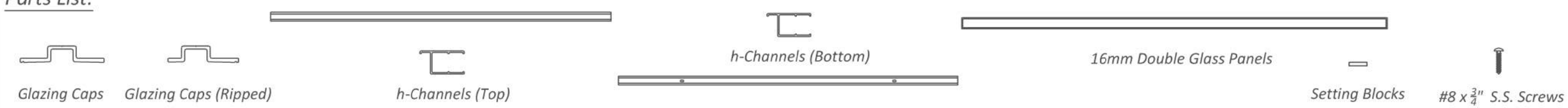
*WARNINGS*
If your glass has a Low-E Protective Coating, the sticker on the glass will go on the inside.

*If your Greenhouse is being installed at an elevation above 2000', your glass may have Breather Tubes installed. There will be instructional stickers attached to the glass. Breather Tubes must be pinched and sealed prior to installation.*

*On hot days, you may find that the Glazing Foam is too sticky. Spraying the foam with a light soapy water will make installing the Glass easier.*

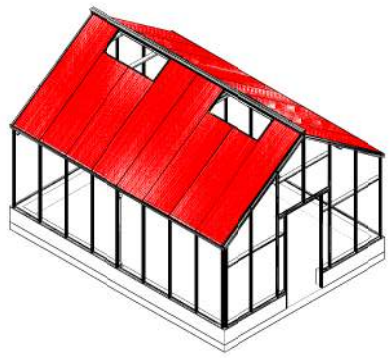
*Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## Parts List:

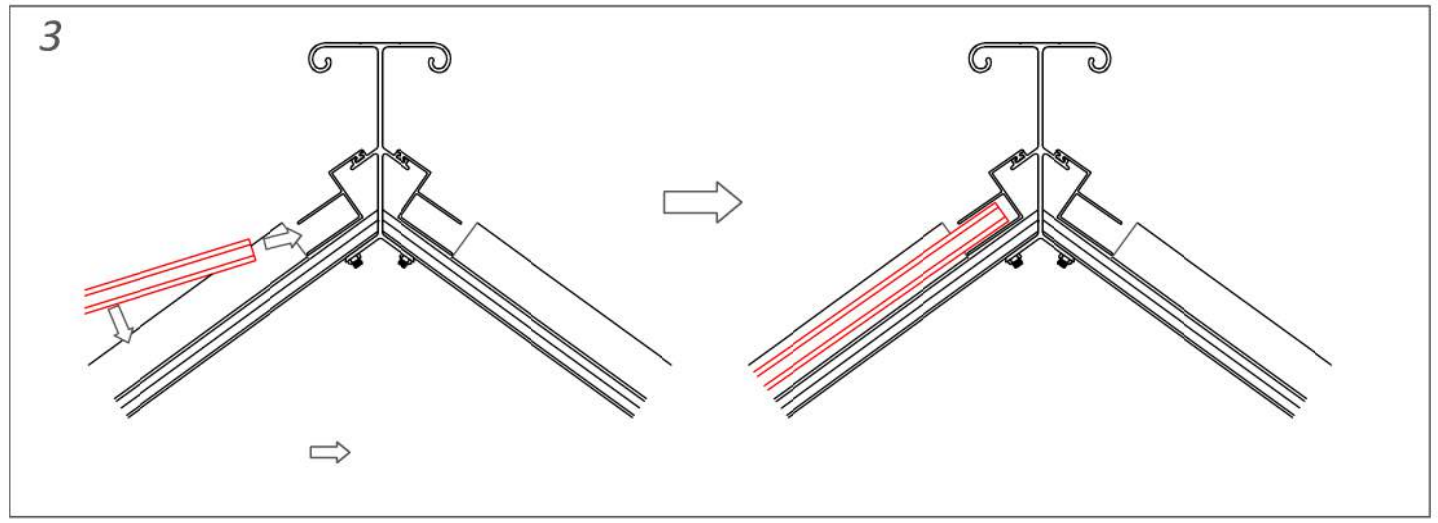


Glazing Caps | Glazing Caps (Ripped) | h-Channels (Top) | h-Channels (Bottom) | 16mm Double Glass Panels | Setting Blocks | #8 x 3/4" S.S. Screws

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



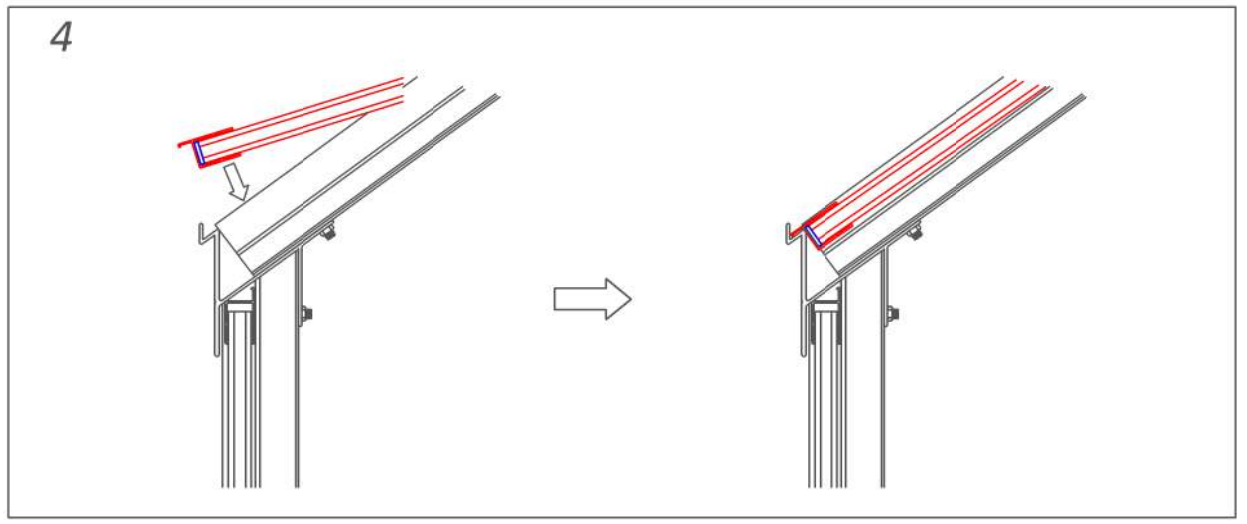
## STAGE 29B: ROOF GLAZING - (16MM DOUBLE GLASS)

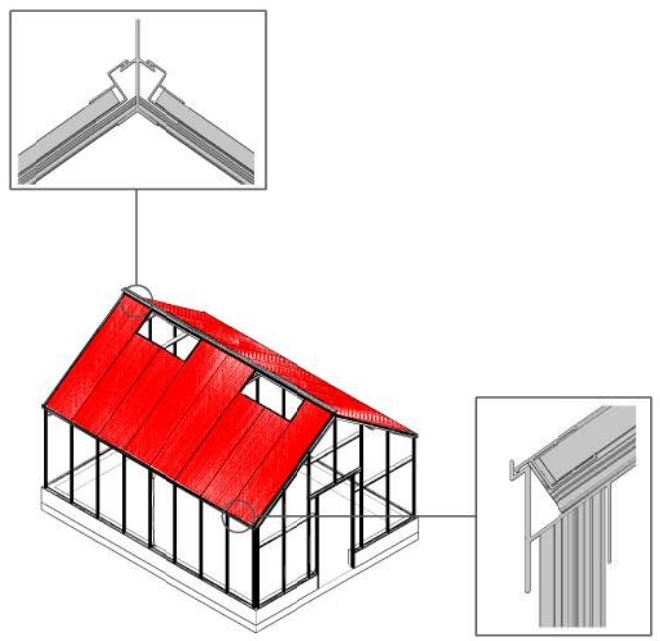



*STEPS:*
3.INSERT THE TOP OF THE GLASS PANEL INTO THE RIDGE.
4. INSERT THE H-CHANNEL AT THE BOTTOM OF THE PANEL INTO THE GUTTER.

REPEAT

CONTINUE ON NEXT PAGE



*Parts List:*


*Glazing Caps*


*Glazing Caps (Ripped)*


*h-Channels (Top)*

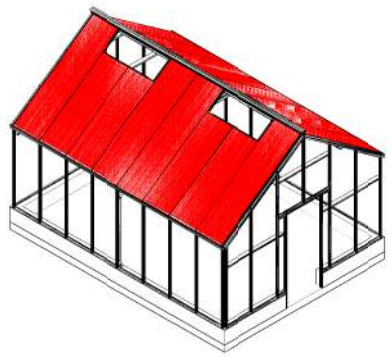

*h-Channels (Bottom)*


*16mm Double Glass Panels*


*Setting Blocks*


*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



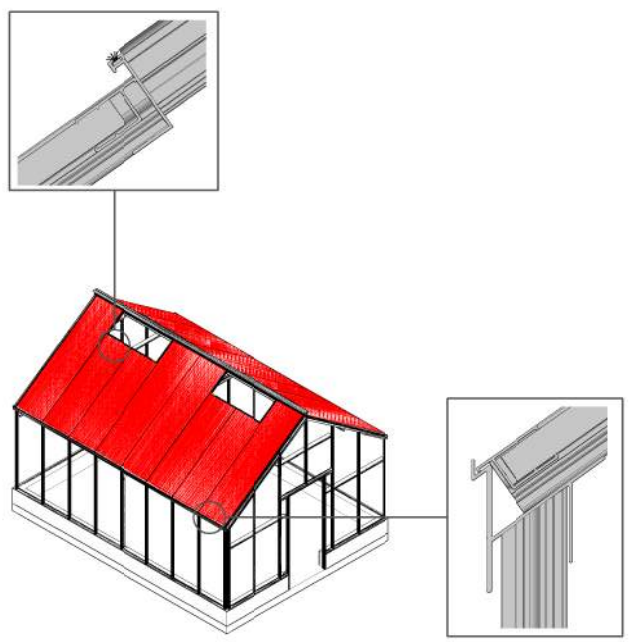
# STAGE 29C: ROOF GLAZING - (16MM DOUBLE GLASS)

*STEPS:*

5. APPLY H-CHANNELS & SETTING BLOCKS TO TOP AND BOTTOM OF GLASS PANELS.
6. INSTALL THE GLASS PANEL BELOW THE VENT FRAME BOTTOM & SLIDE THE H-CHANNEL UP UNTIL IT TOUCHES THE VENT FRAME BOTTOM.
7. INSERT THE H-CHANNEL AT THE BOTTOM OF THE PANEL INTO THE GUTTER.

REPEAT

CONTINUE ON NEXT PAGE



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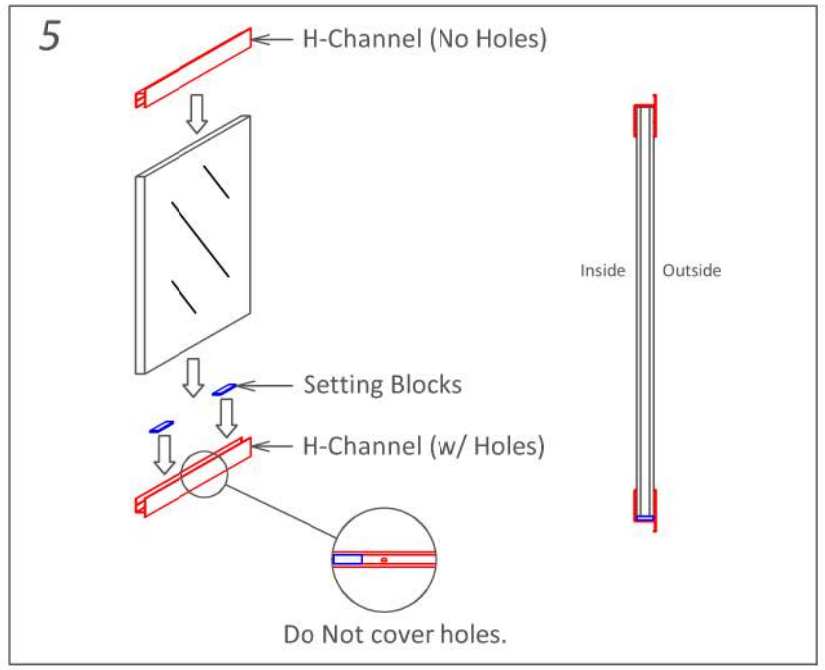


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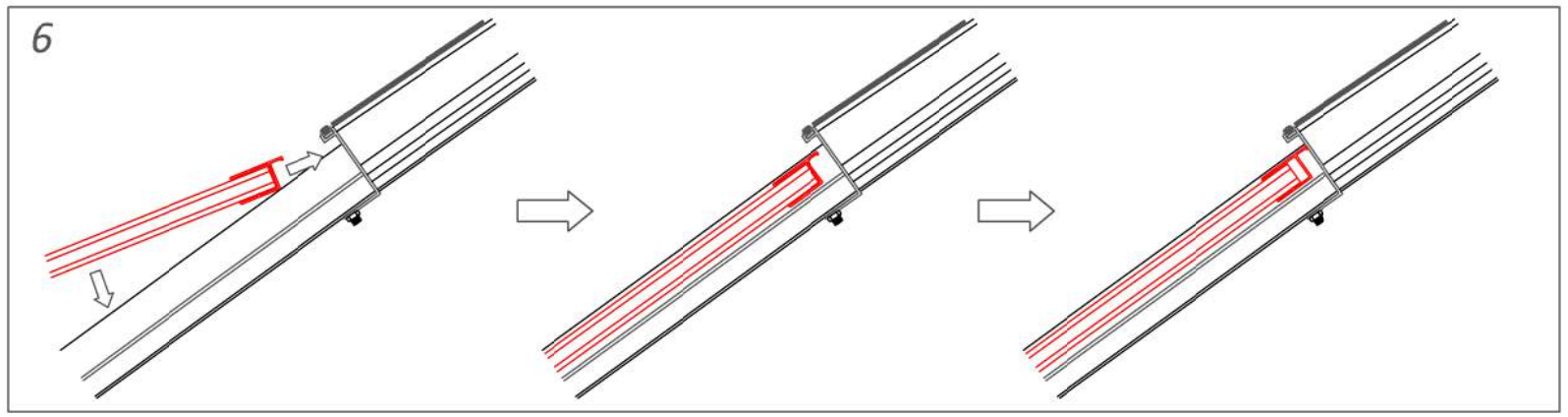

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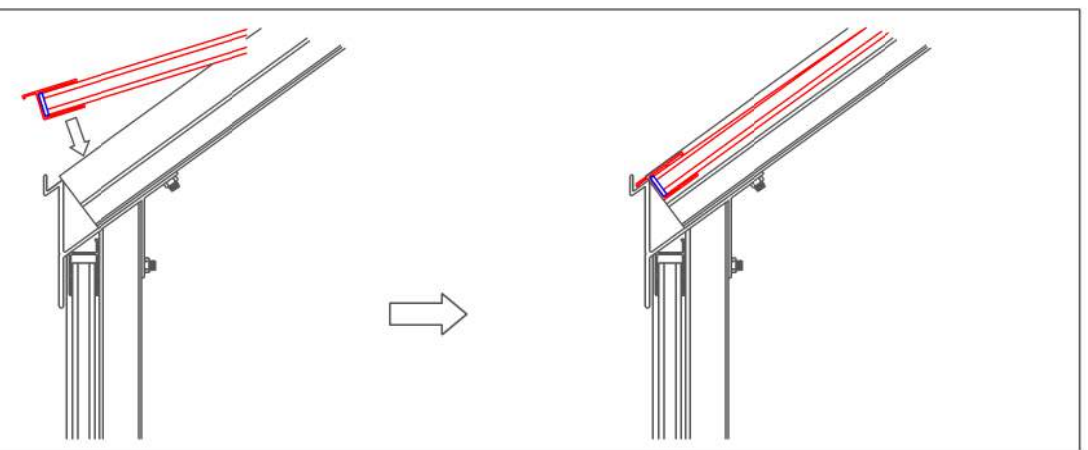
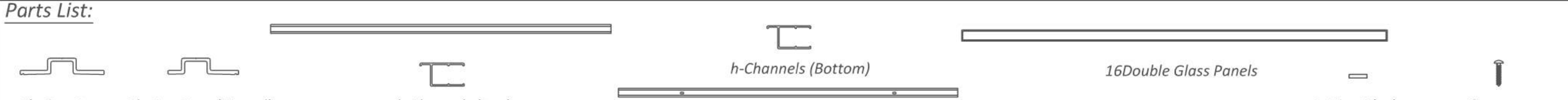


*Parts List:*




CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

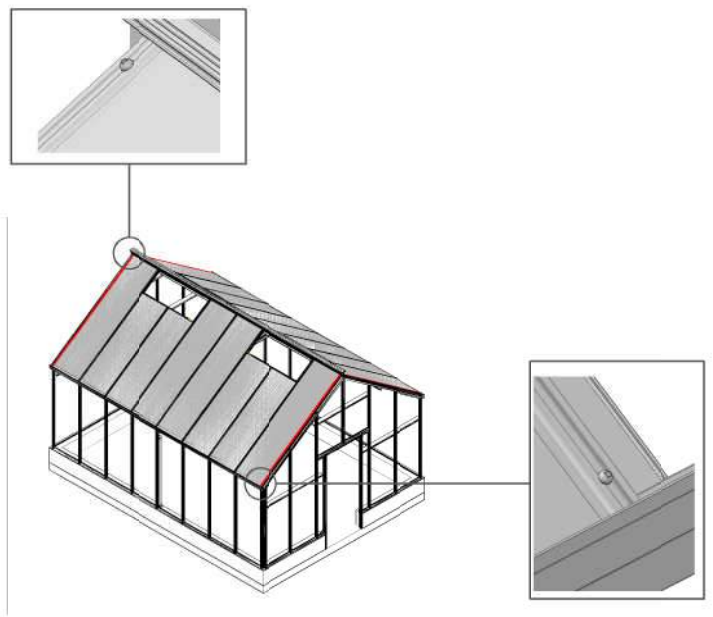
## STAGE 29D: ROOF END CAPS- (16MM DOUBLE GLASS)

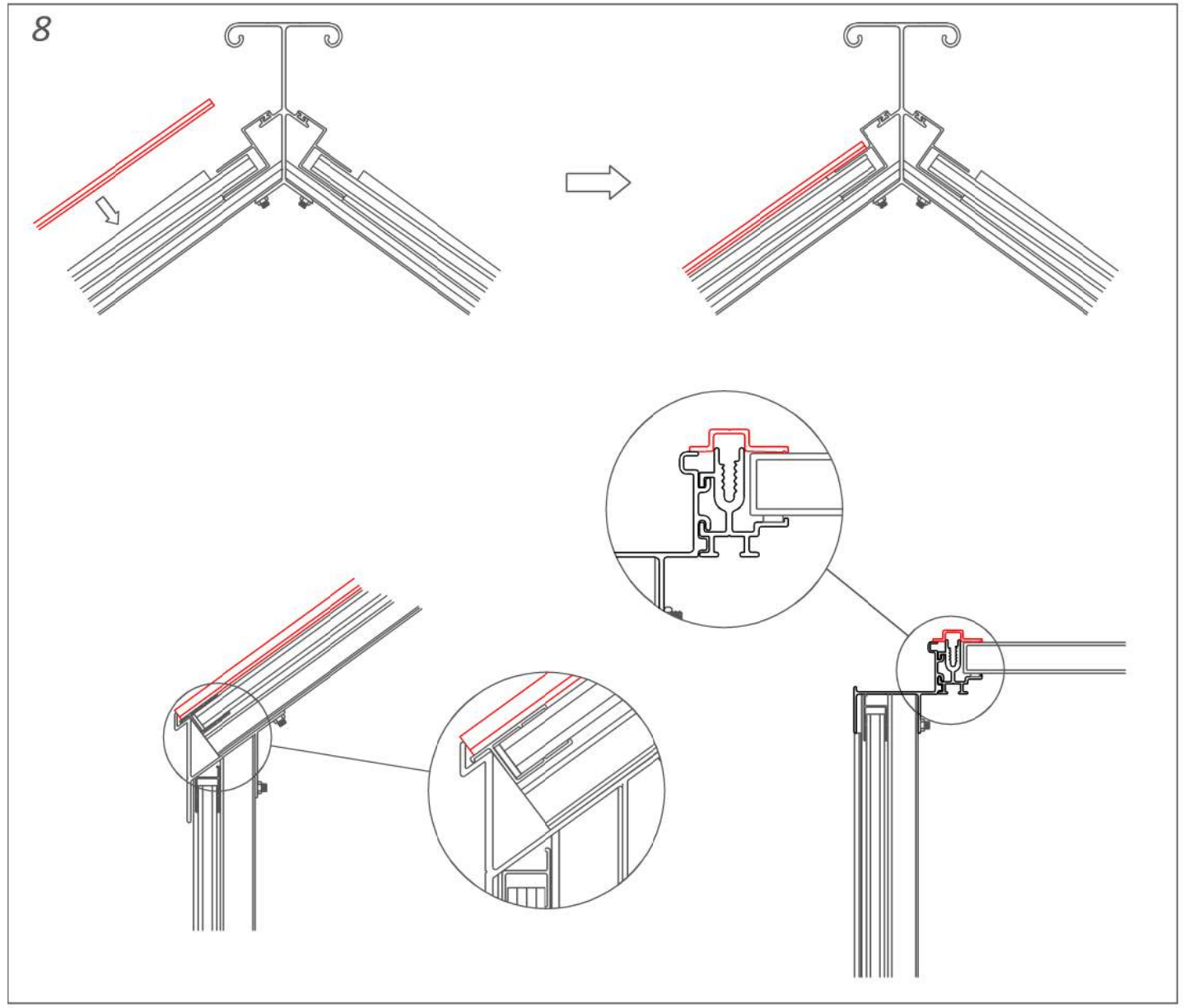
*STEPS:*

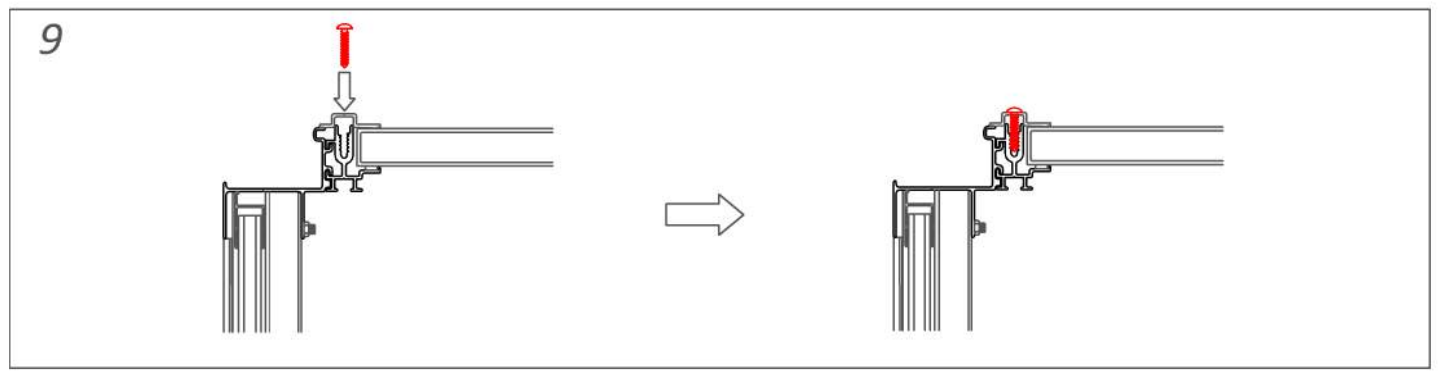
8. LAY THE RIPPED CAP ON THE END RAFTER & GLAZING BAR (CAP SHOULD SIT TIGHT TO THE GUTTER)
9. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE





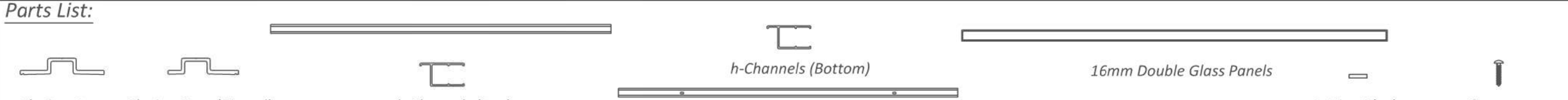

*Typical Ripped Glazing Cap (Roof)*

*Square Cut on top.*



*Square Cut on bottom.*

*Parts List:*



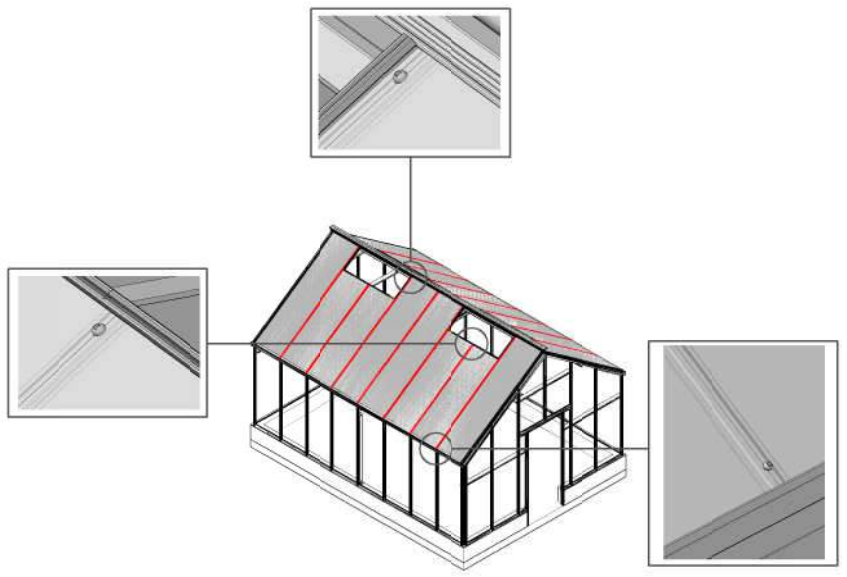
*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *16mm Double Glass Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

# STAGE 29E: ROOF CAPS - (16MM DOUBLE GLASS)

*STEPS:*
10. LAY THE CAP ON THE GLAZING BAR (CAP SHOULD SIT TIGHT TO THE GUTTER)
11 SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS



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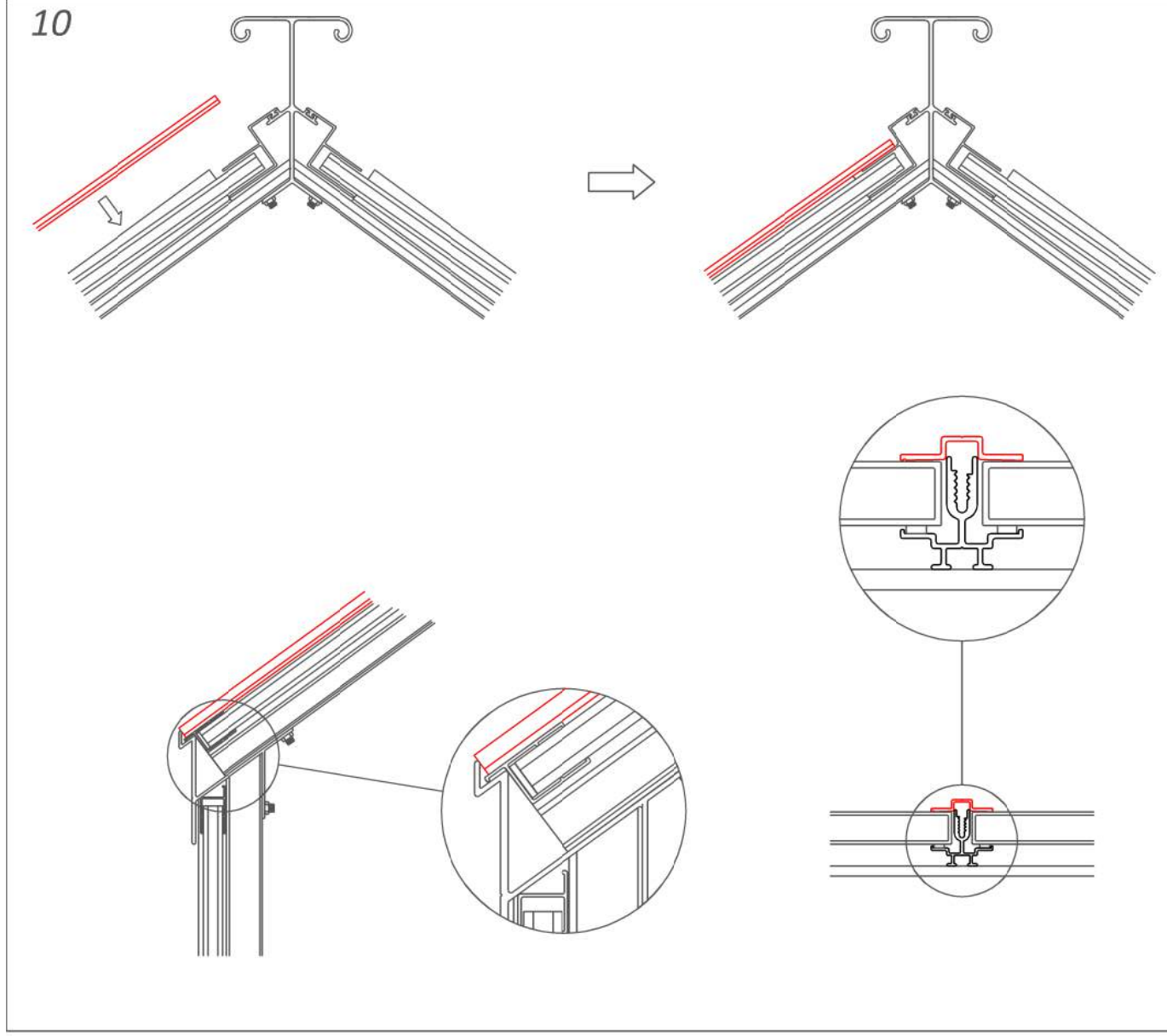

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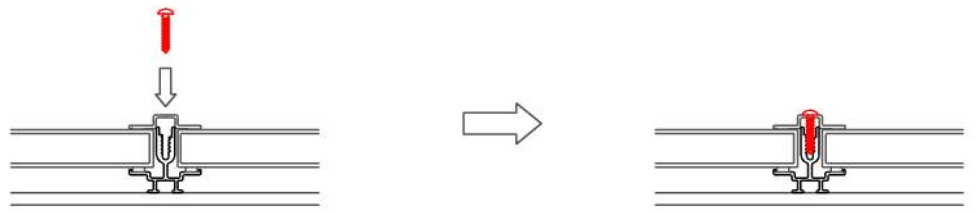
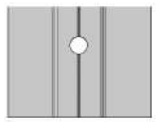


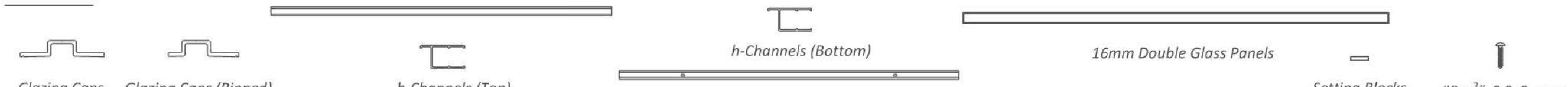
*Typical Glazing Cap (Roof)*

*Square Cut on top.*



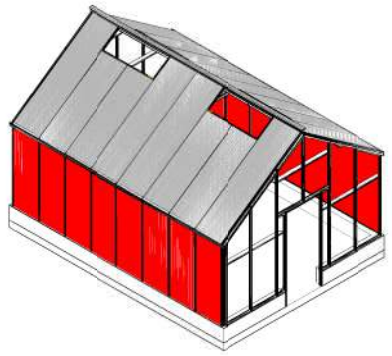
*Square Cut on bottom.*

*Parts List:*



*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *16mm Double Glass Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

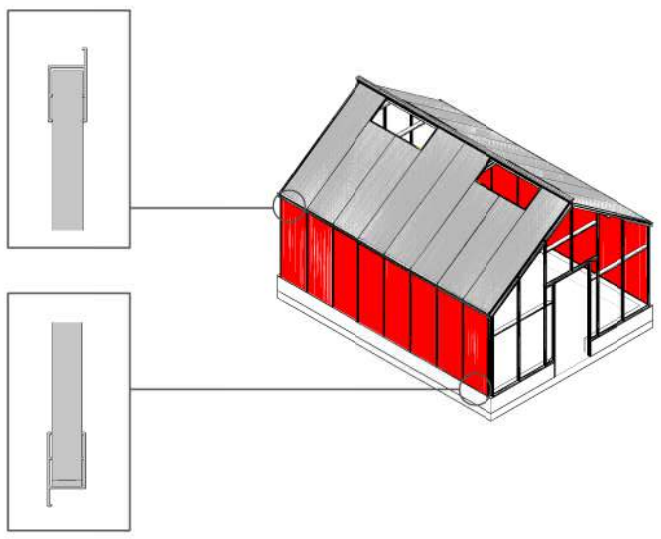


# STAGE 30A: SIDE WALL GLAZING - (16MM DOUBLE GLASS)

*STEPS:*
1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. PLACE THE H-CHANNELS & SETTING BLOCKS ONTO THE TOP & BOTTOM OF A GLASS PANEL

CONTINUE ON NEXT PAGE

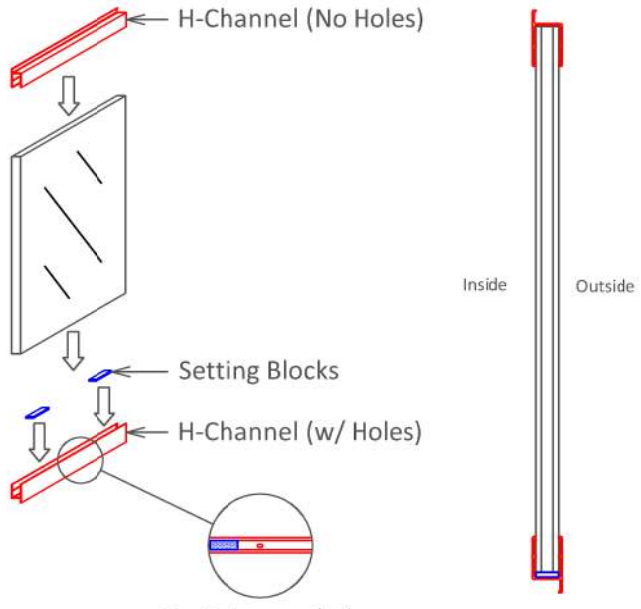
*WARNINGS*
- DO NOT USE A CORDLESS DRILL DURING THIS STAGE-
OVER-TIGHTENING THE SCREWS CAN
CAUSE THE GLASS TO SHATTER



**1**

Peel paper from
Foam Tape

**2**




Do Not cover holes.

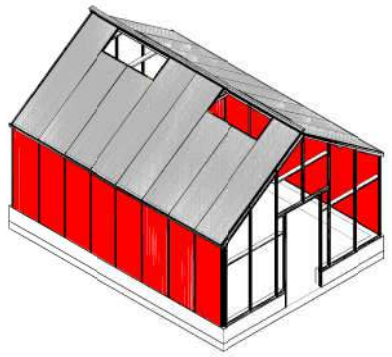
## PRO TIPS

*Applying a drop of silicone to the Setting Blocks before installing will prevent them from sliding out of position.*

*Parts List:*

*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *16mm Tempered Glass Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



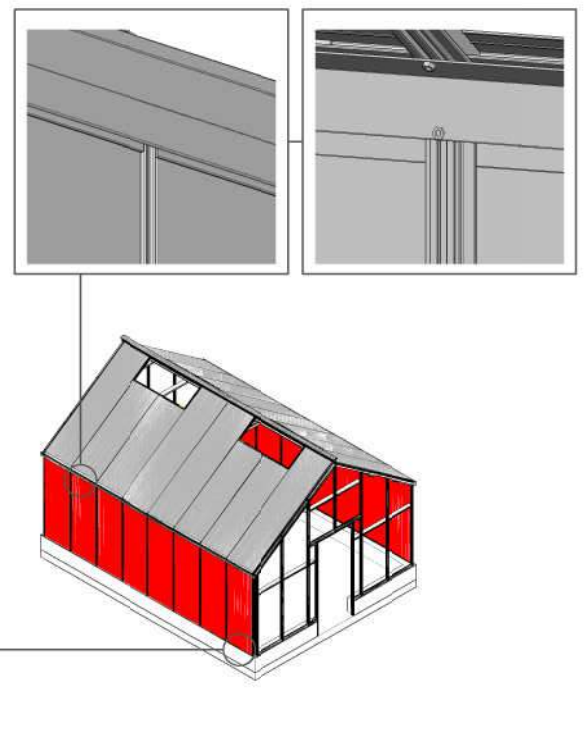
## STAGE 30B: SIDE WALL GLAZING - (16MM DOUBLE GLASS)

*STEPS:*

3. SLIP THE TOP OF THE GLASS PANEL BENEATH THE GUTTER.
4. PUSH THE BOTTOM OF THE GLASS PANEL INTO POSITION.
5. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE GUTTER.

REPEAT FOR ALL SIDE WALL GLAZING

CONTINUE ON NEXT PAGE



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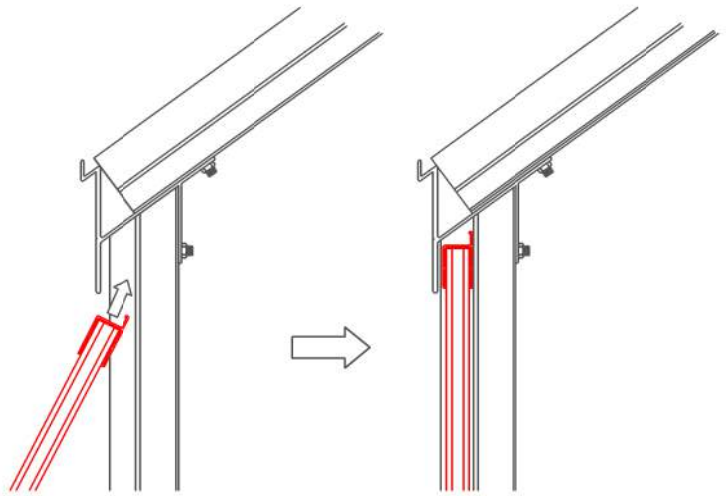

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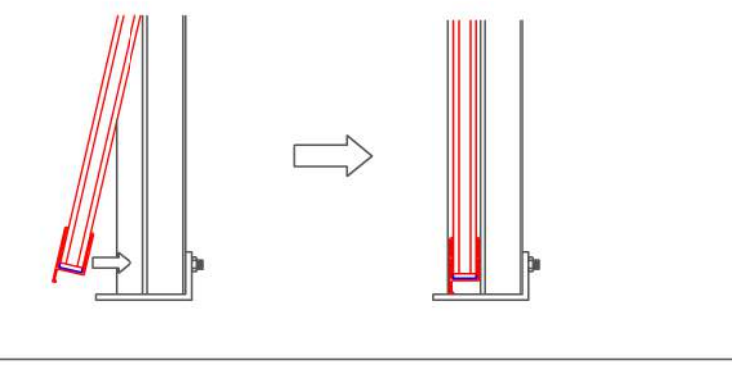

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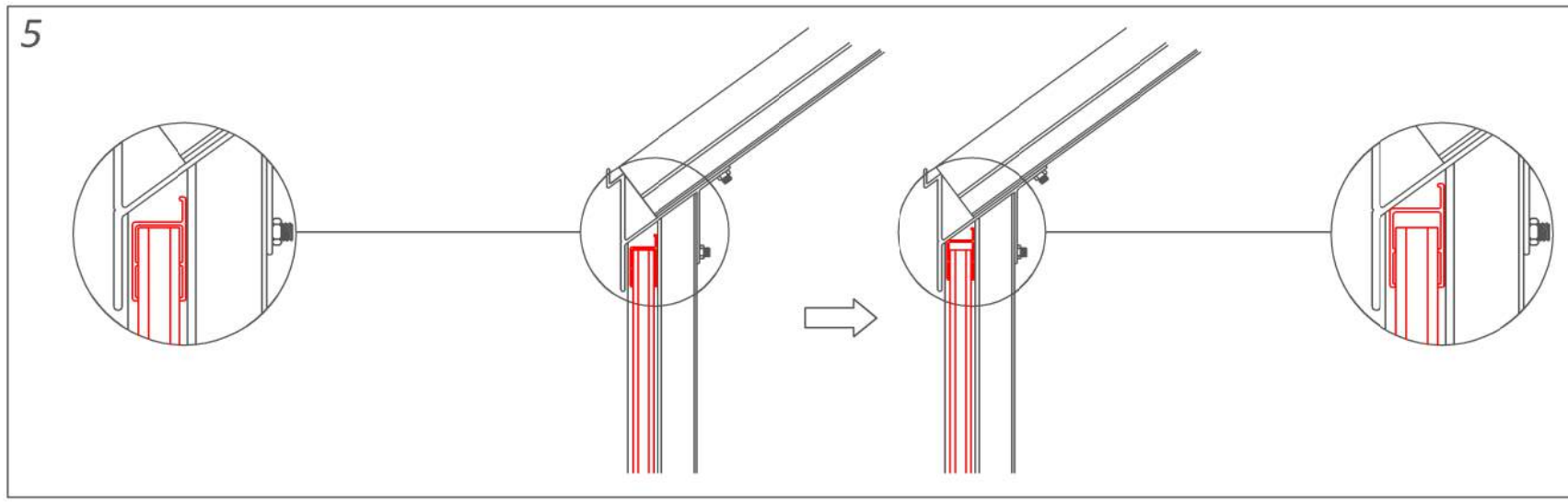
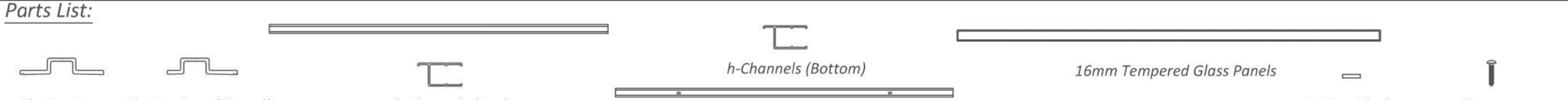


## PRO TIPS

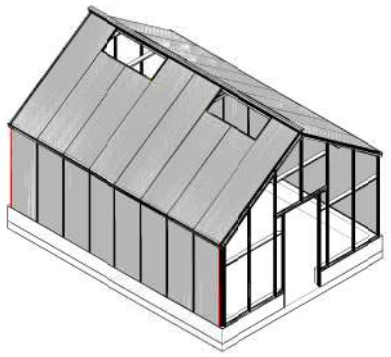
*Start by glazing the 4 corners on the side walls of the greenhouse.*
*This will help to square the frame from front to back.*
*Don't be afraid to shift the Frame as necessary.*

*Parts List:*



*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *16mm Tempered Glass Panels* *Setting Blocks* *#8 x 3/4" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 30C: SIDE WALL CORNER CAPS - (16MM DOUBLE GLASS)

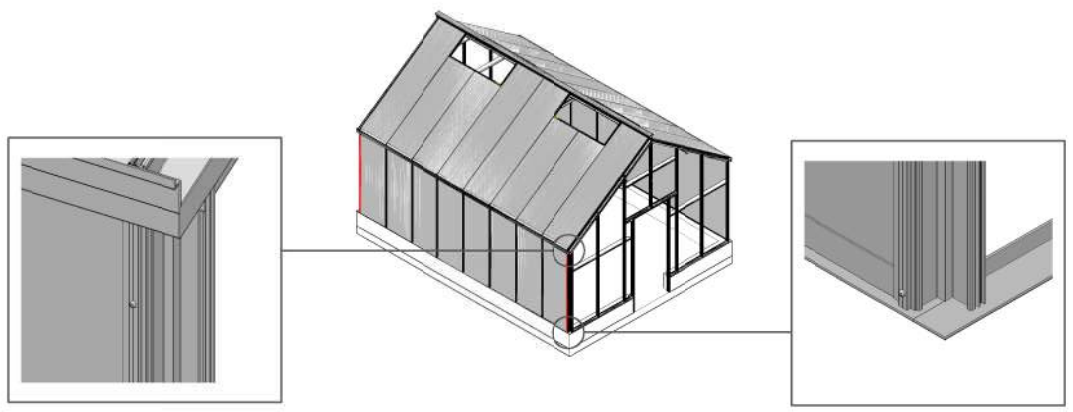
*STEPS:*

6. PRESS THE RIPPED CAP AGAINST THE GLAZING BAR & CORNER POST.
7. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE

*WARNINGS*
- DO NOT USE A CORDLESS DRILL DURING THIS STAGE-
OVER-TIGHTENING THE SCREWS CAN
CAUSE THE GLASS TO SHATTER



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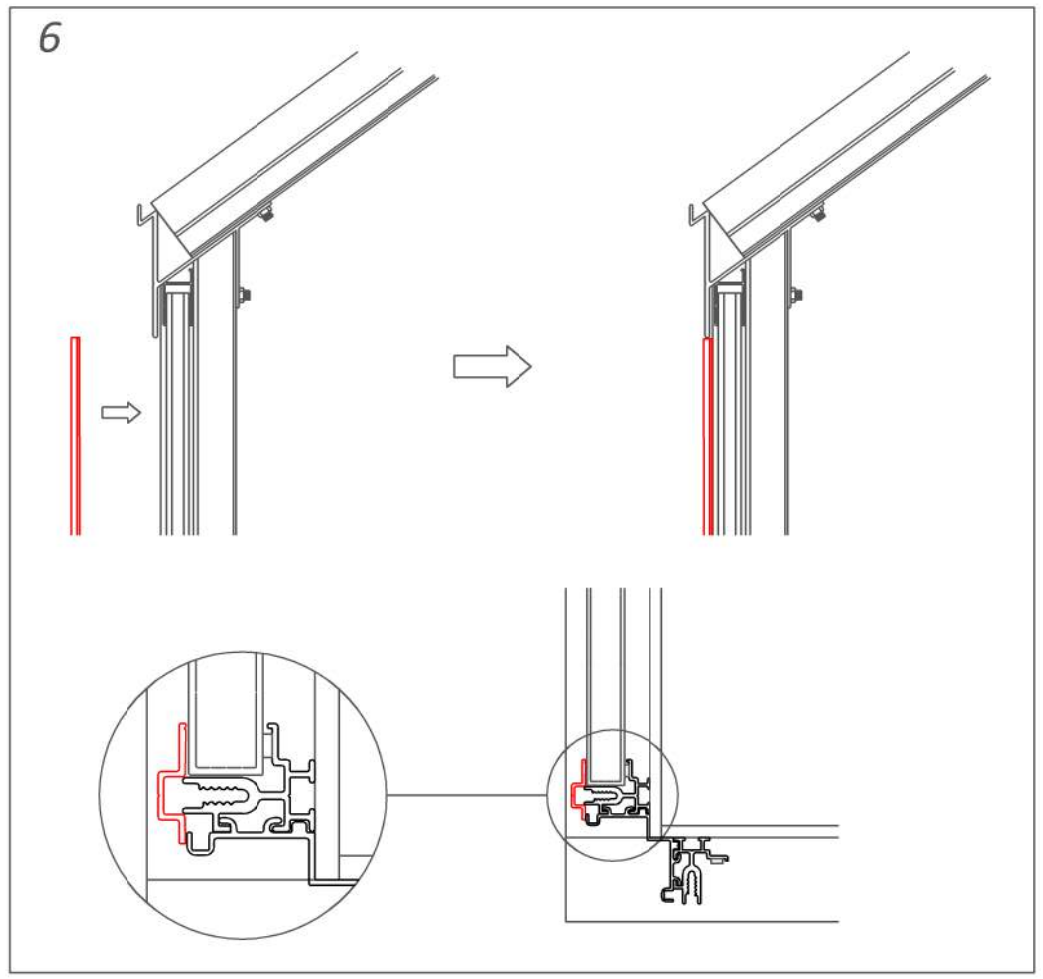

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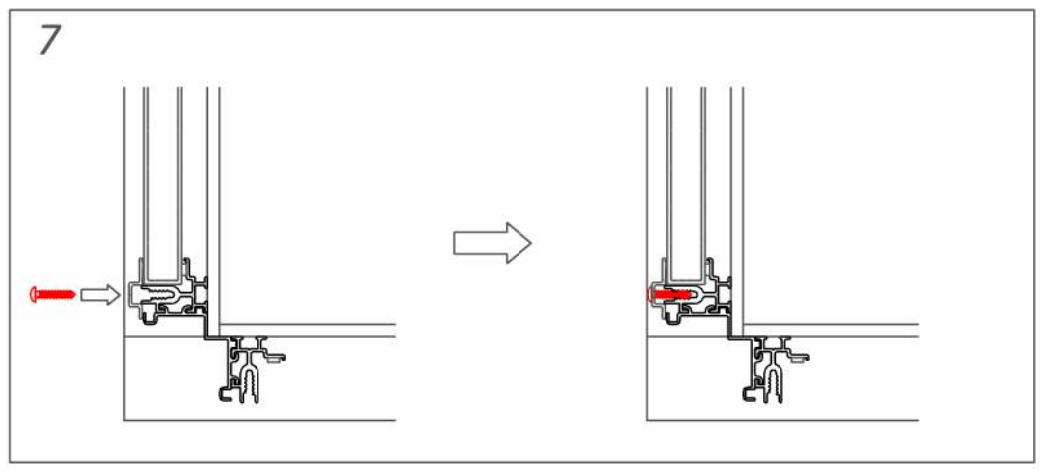
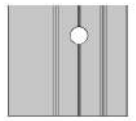


### PRO TIPS

*All Glazing Caps are cut and punched so that the holes will line up horizontally if installed right side up.*

*Typical Ripped Glazing Cap (Side Wall)*

*Square Cut on top.*



*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels (Top)*

*h-Channels (Bottom)*

*16mm Tempered Glass Panels*

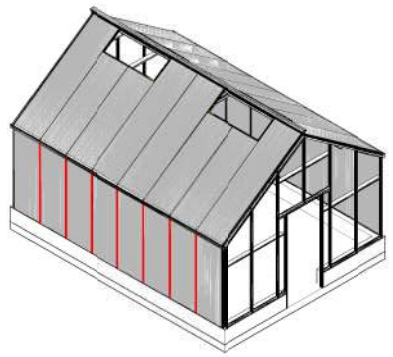


*Setting Blocks*



*#8 x ¾" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

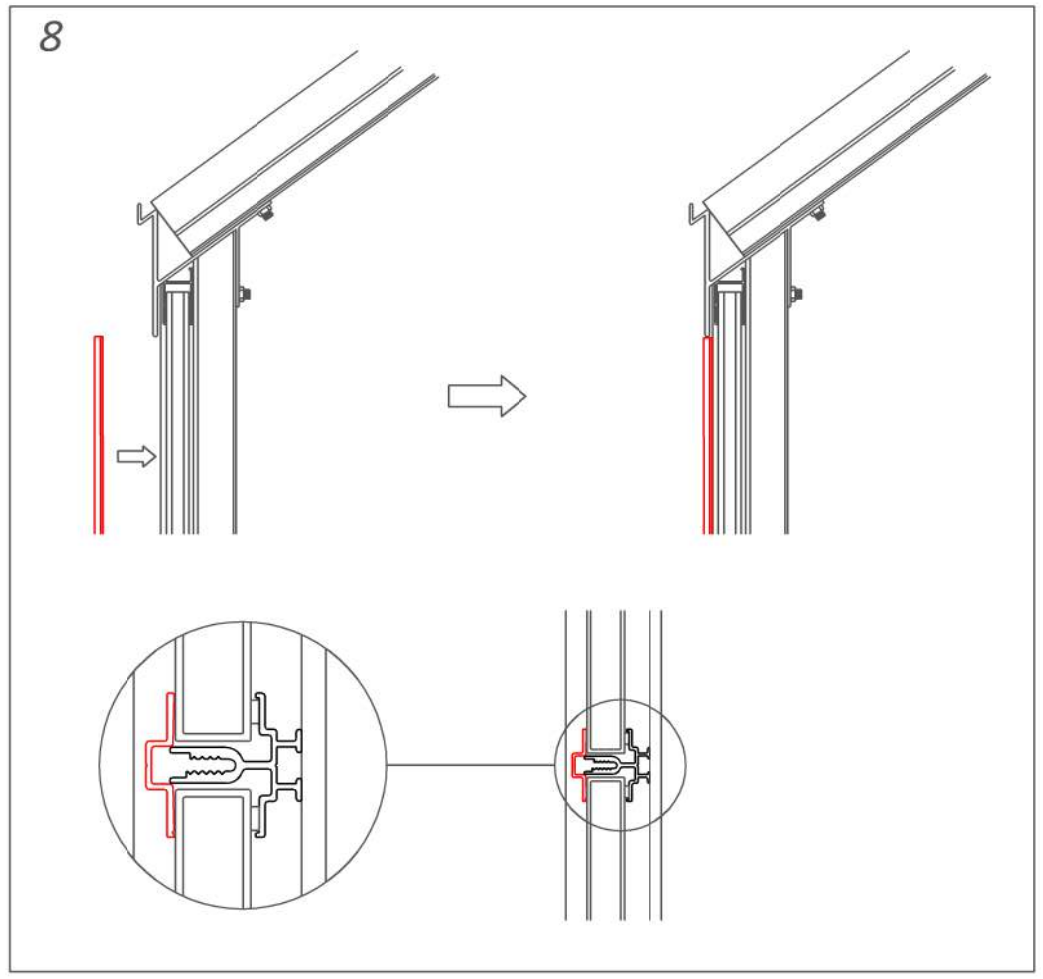


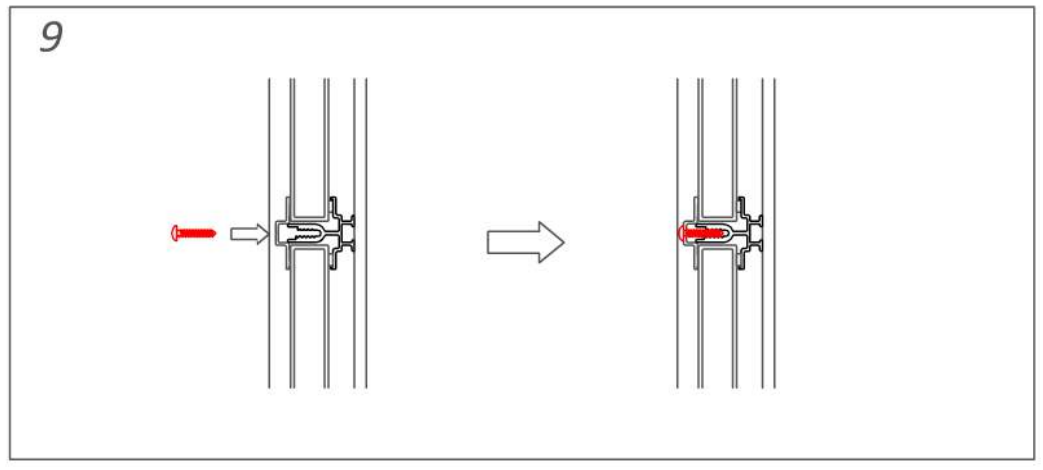
## STAGE 30D: SIDE WALL GLAZING - (16MM DOUBLE GLASS)

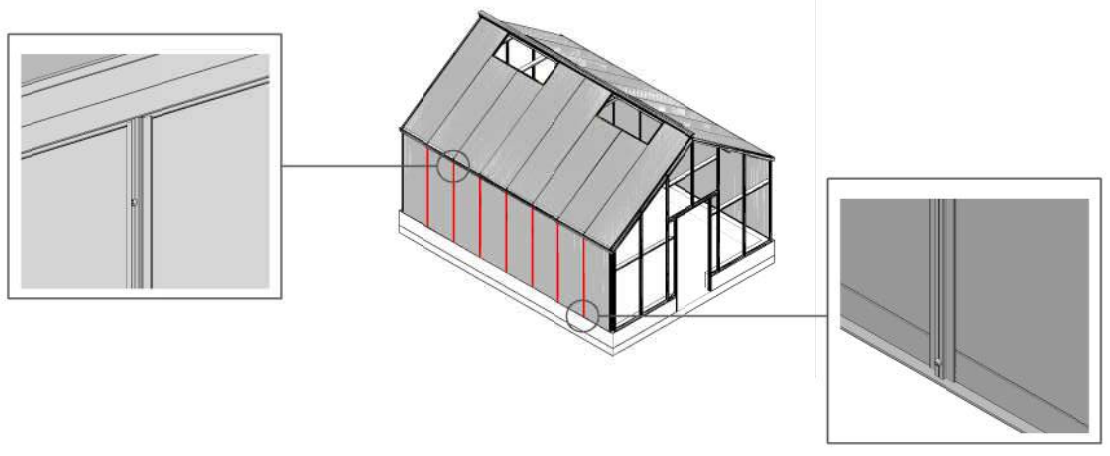
STEPS:

8. PLACE THE CAP AGAINST THE GLASS PANEL
9. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS



### PRO TIPS

*All Side Wall Caps should sit flush on top of the Base and be tight to the Gutter.*

*Typical Glazing Cap (Side Wall)*

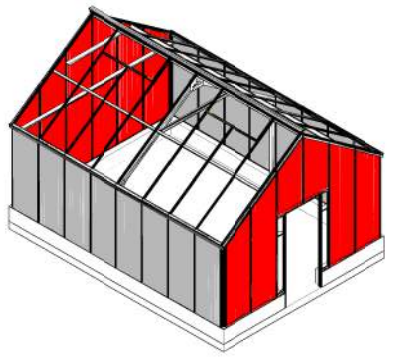
*Square Cut on top.*

*Square Cut on bottom.*

*Parts List:*

*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *16MM Double Glass Panels* *Setting Blocks* *#8 x 3/4" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

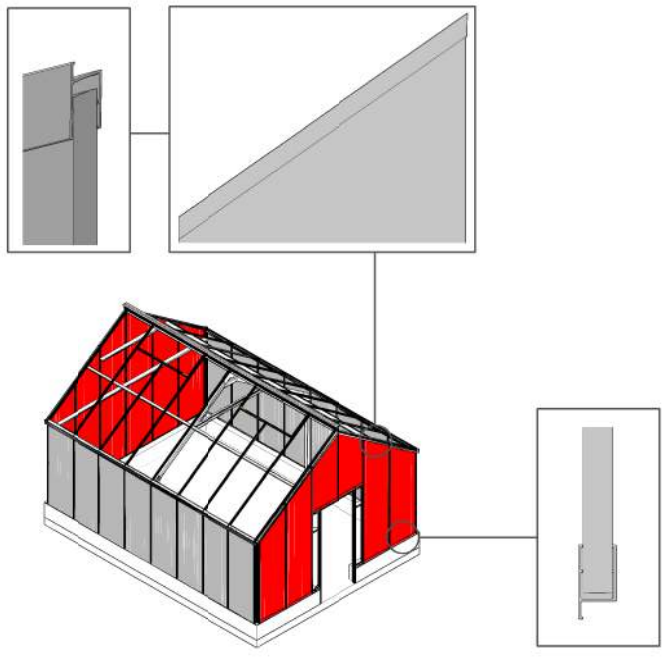


# STAGE 31A: GABLE GLAZING - (16MM DOUBLE GLASS)

*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. PLACE THE H-CHANNELS & SETTING BLOCKS ONTO THE TOP & BOTTOM OF A GLASS PANEL

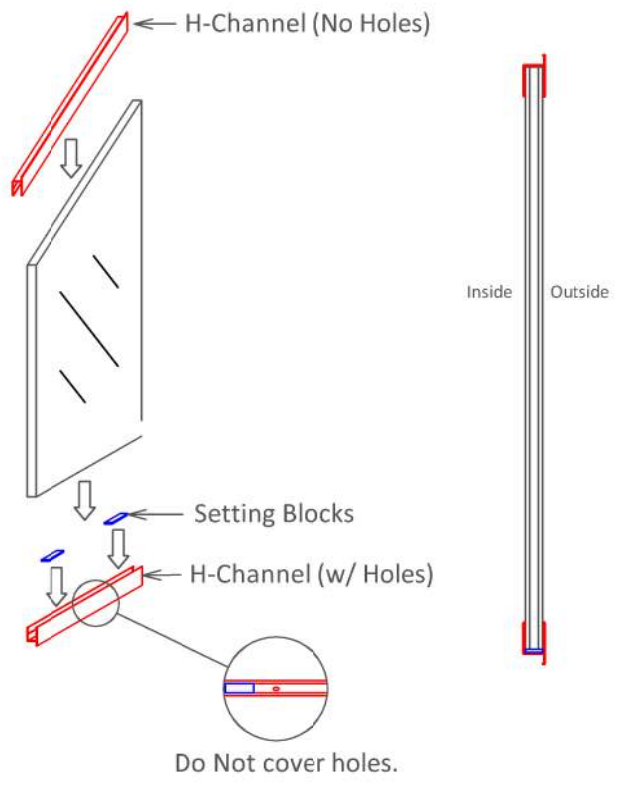
CONTINUE ON NEXT PAGE



1

Peel paper from Foam Tape

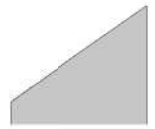
2



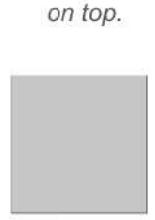

## PRO TIPS

*h-Channels for the top of the Gable Glass are cut at angle on both ends to match the roof pitch of the greenhouse.*

*Typical Glass Panel (Gable Wall)*



*Angle Cut Left to Right on top.*



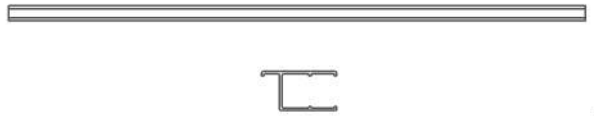
*Square Cut on bottom.*

*Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*



*h-Channels (Top)*

*h-Channels (Bottom)*

*16mm Double Glass Panels*

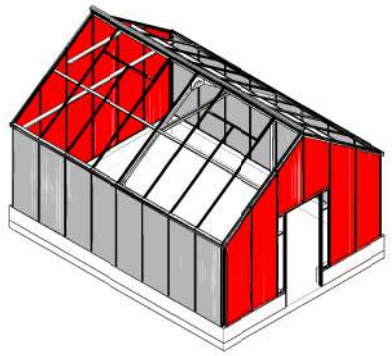


*Setting Blocks*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 31B: GABLE GLAZING - (16MM DOUBLE GLASS)

*STEPS:*

3. SLIP THE TOP OF THE GLASS PANEL BENEATH THE END RAFTER.
4. PUSH THE BOTTOM OF THE GLASS PANEL INTO POSITION.
5. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE END RAFTER.

REPEAT FOR ALL ANGLE-CUT GABLE GLAZING

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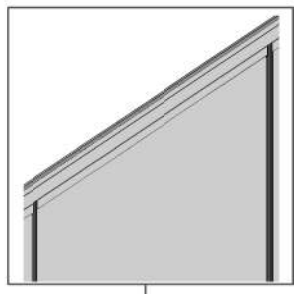

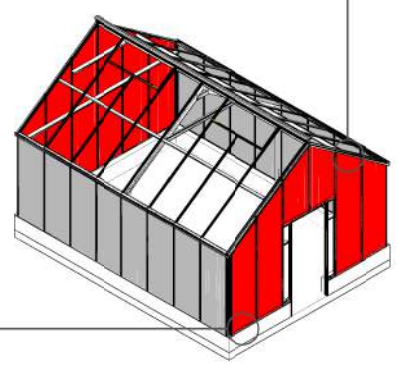

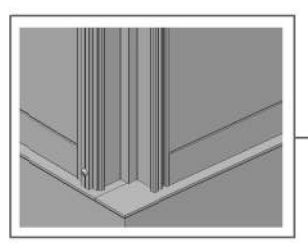

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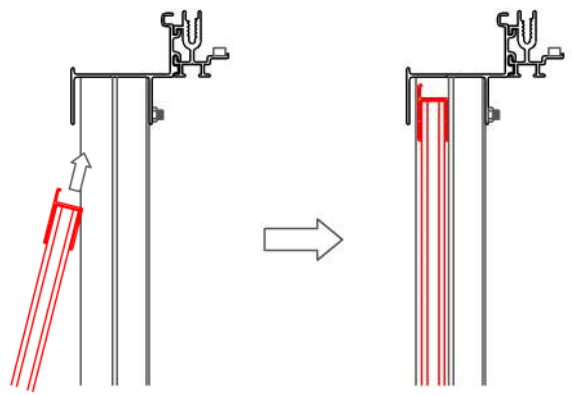

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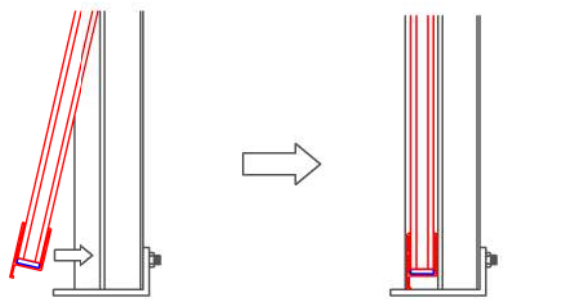

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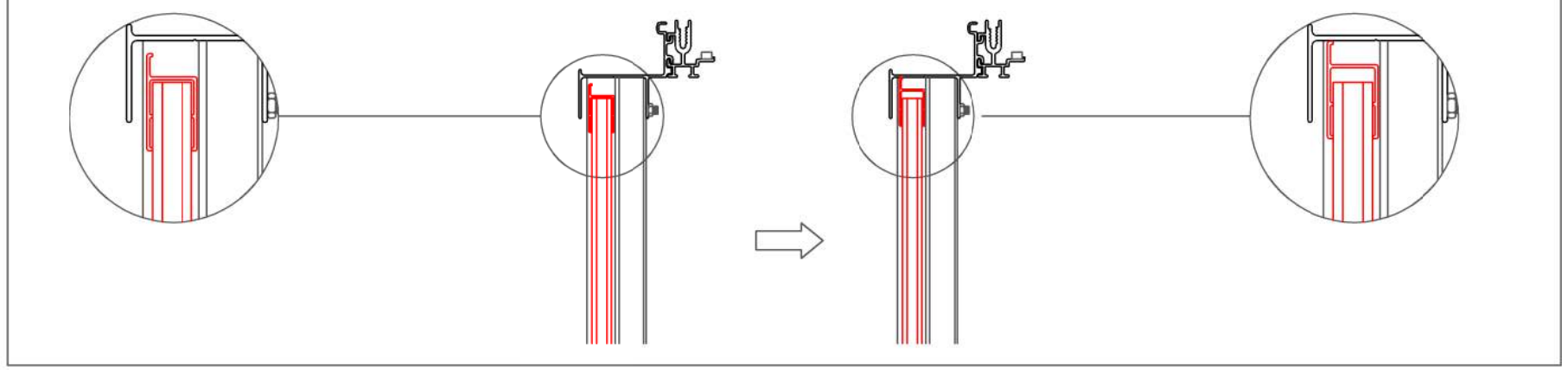


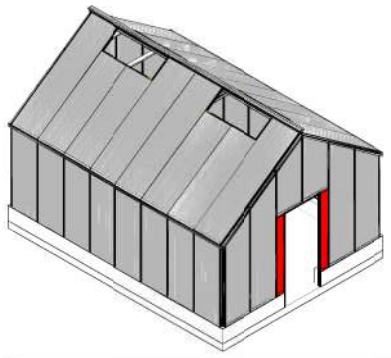
## PRO TIPS

*Start by glazing the 4 corners on the gable walls of the greenhouse. This will help to square the frame from left to right.*

## Parts List:

*Glazing Caps* *Glazing Caps (Ripped)* *h-Channels (Top)* *h-Channels (Bottom)* *16mm Double Glass Panels* *Setting Blocks* *#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

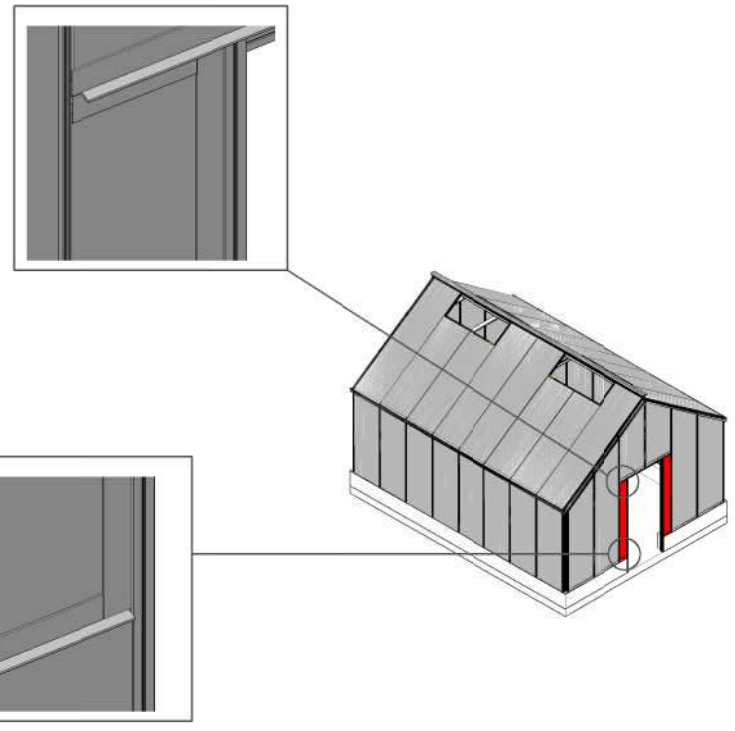


# STAGE 31C: BESIDE DOOR GLAZING - (16MM DOUBLE GLASS)

*STEPS:*

6. FILL THE GAP BETWEEN THE BASE & THE DOOR FRAME WITH CAULKING.
7. PLACE THE H-CHANNELS ONTO THE TOP, BOTTOM & ONE SIDE OF THE NARROW GLASS PANELS INTENDED FOR BESIDE THE DOOR.
8. SLIP THE LONG H-CHANNELS INTO THE TRACK ON THE SIDE OF THE DOOR FRAME & ROTATE INTO POSITION.
9. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE BOTTOM OF THE DOOR HEADER.

CONTINUE ON NEXT PAGE



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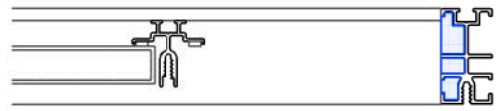

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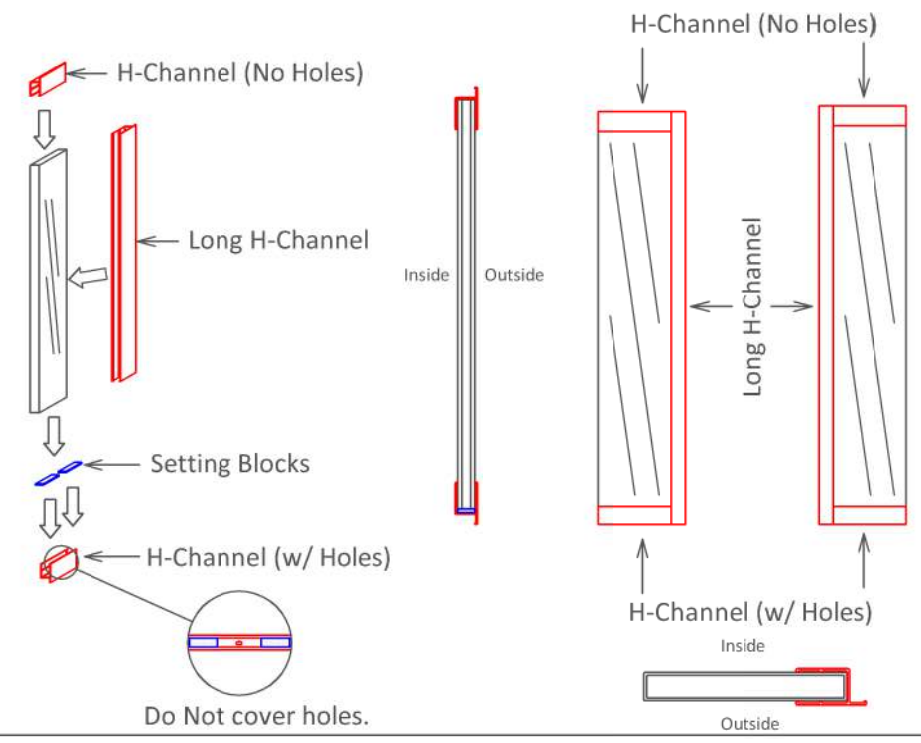


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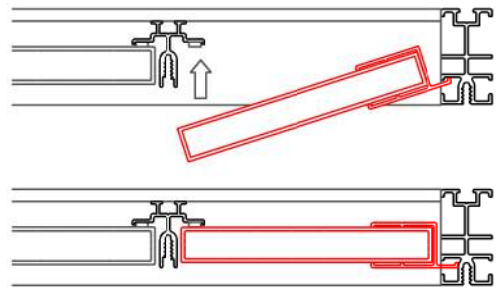

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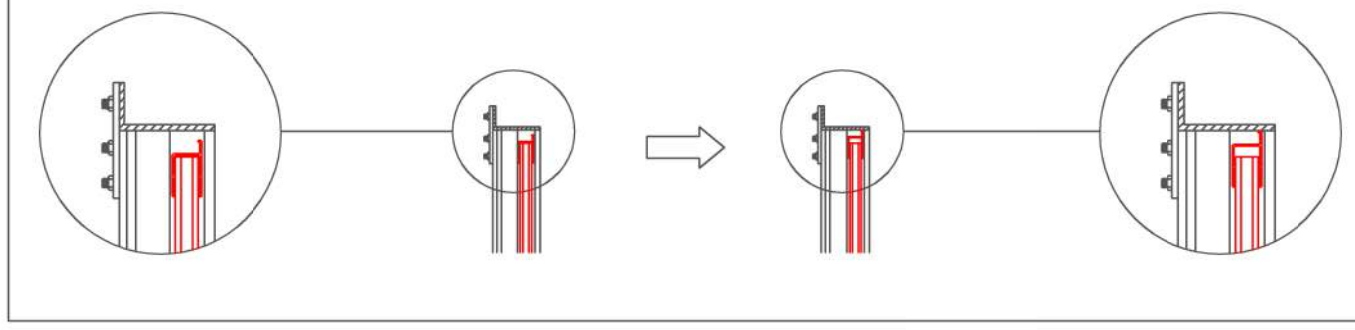


## PRO TIPS

*The Long h-Channels for this step were packaged with the rest of the Door Frame installed during Stage 3 of the Assembly process.*

*Typical Polycarbonate (Beside Door)*

*Square Cut on top.*

*Square Cut on bottom.*

## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels (Top)*

*h-Channels (Bottom)*

*16mm Double Glass Panels*



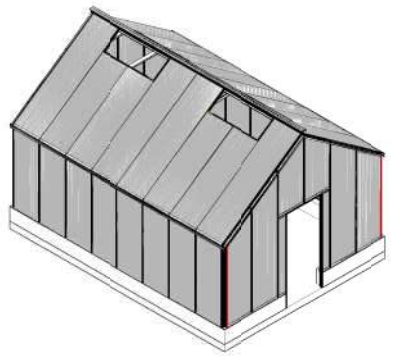
*Setting Blocks*

*Caulking*



*#8 x $\frac{3}{4}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 31D: GABLE CORNER CAPS - (16MM DOUBLE GLASS)

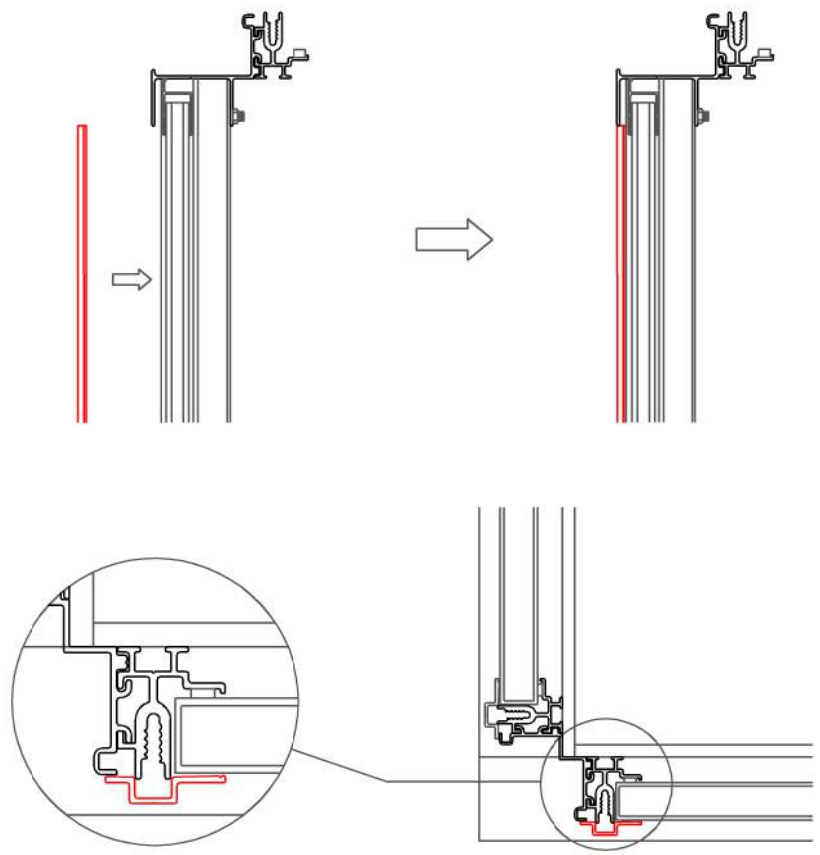
*STEPS:*

10. PRESS THE RIPPED CAP AGAINST THE GLAZING BAR & CORNER POST.
11. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE

10



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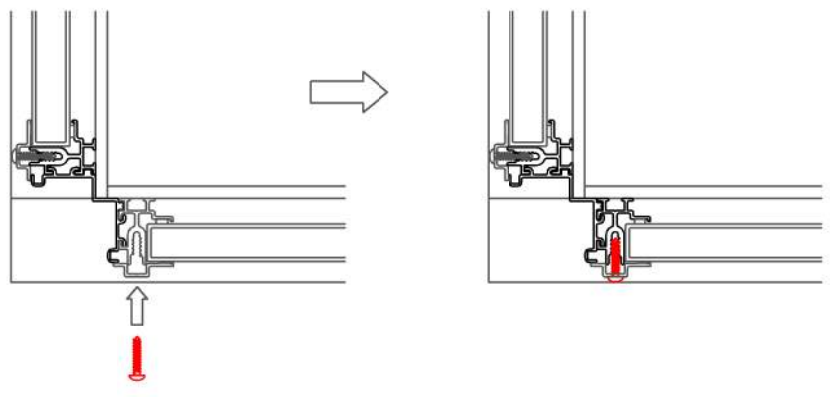
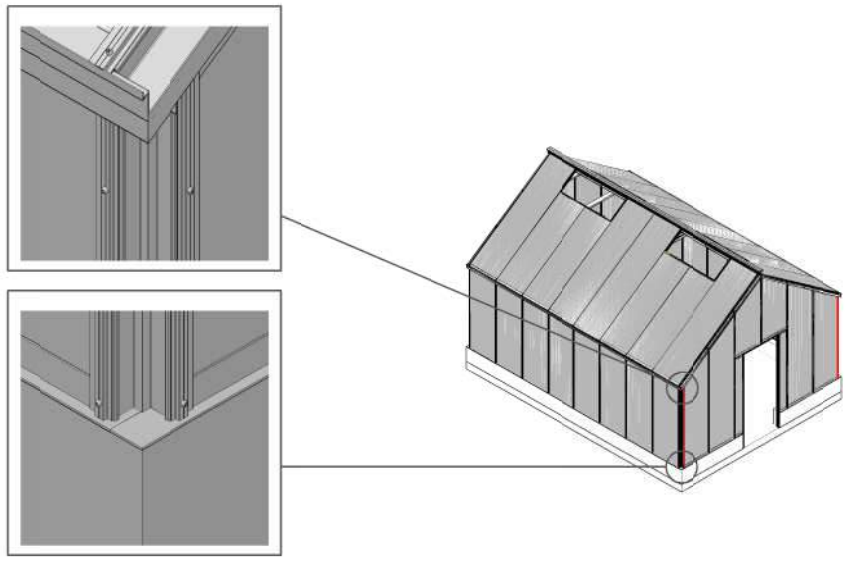
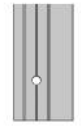




*Typical Ripped Glazing Cap (Gable Wall)*

*Angle Cut Left to Right on top.*

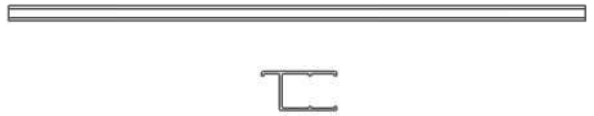


*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*



*h-Channels (Top)*

*h-Channels (Bottom)*

*16MM Double Glass Panels*

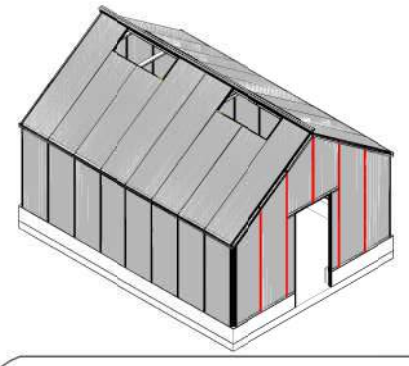


*Setting Blocks*



*#8 x 3/4" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



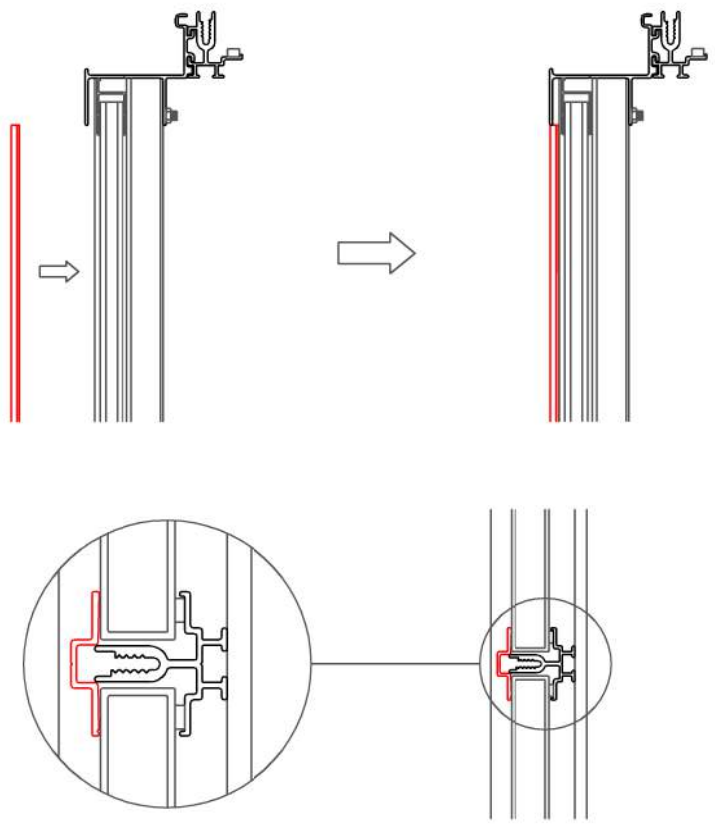
# STAGE 31E: GABLE CAPS - (16MM DOUBLE GLASS)

*STEPS:*

12. PRESS THE CAP AGAINST THE GLAZING BAR.
13 SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS

12



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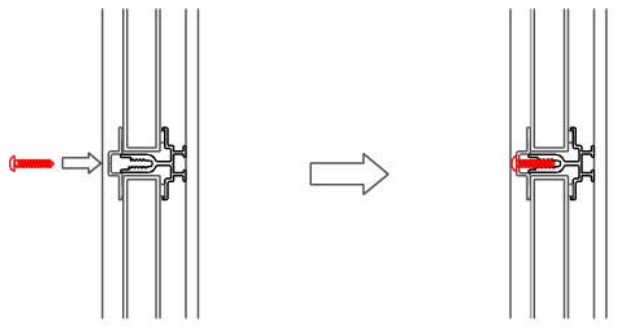
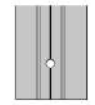
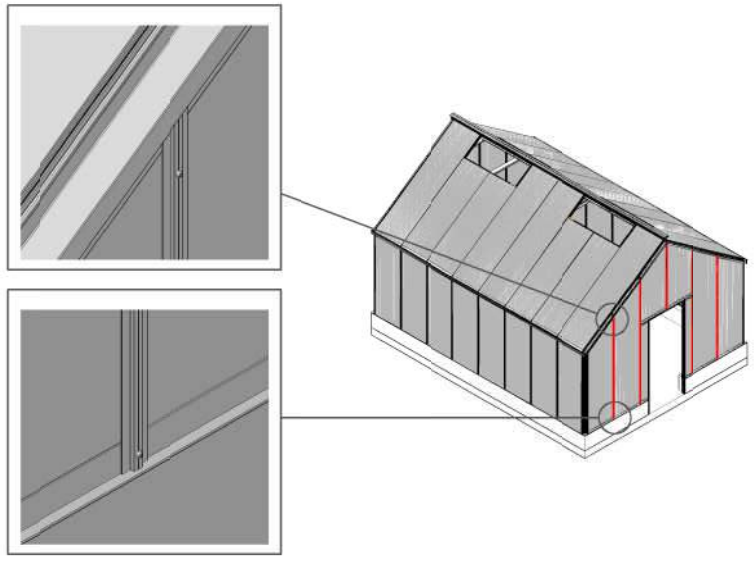


*Typical Glazing Cap (Gable Wall)*

*Angle Cut Left to Right on top.*



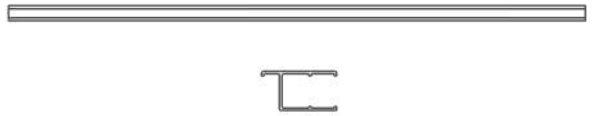
*Square Cut on bottom.*



*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*



*h-Channels (Top)*

*h-Channels (Bottom)*

*16mm Double Glass Panels*



*Setting Blocks*

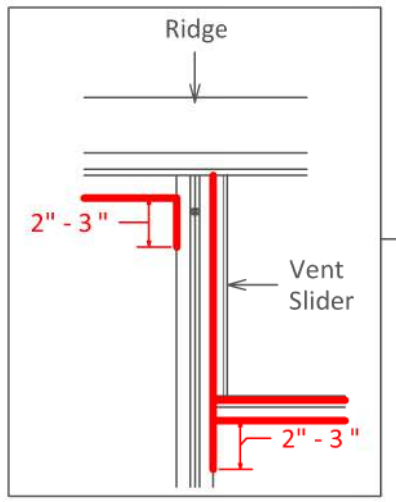


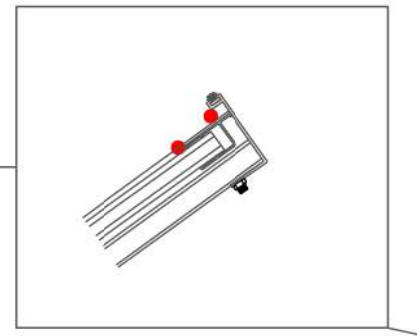
*#8 x 3/4" S.S. Screws*

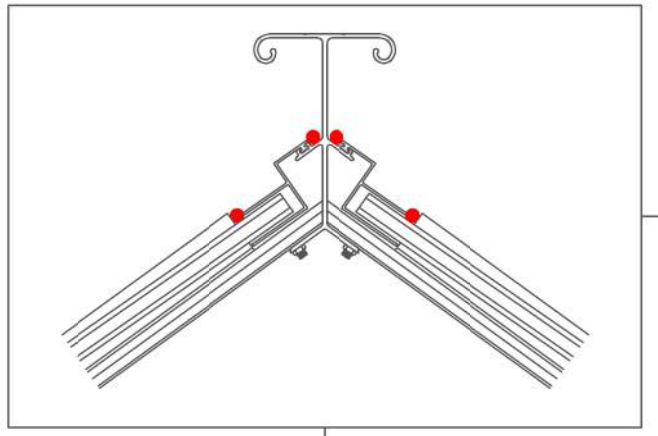
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

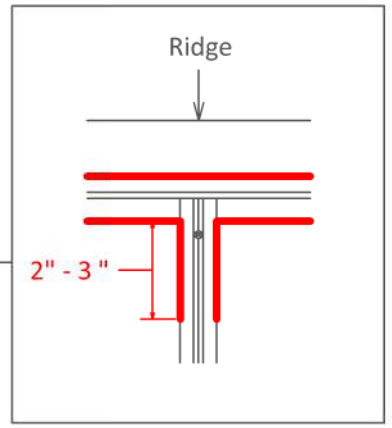
# STAGE 32: SEALING - (16MM DOUBLE GLASS)

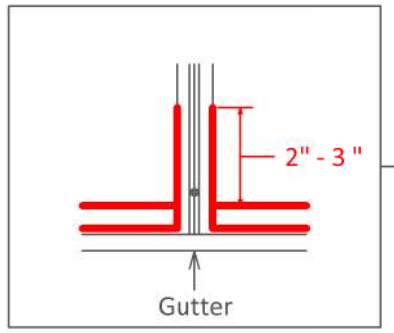
- CLEAR SILICONE (PROGLAZE)
- COLORED CAULKING (TREMCO 830)

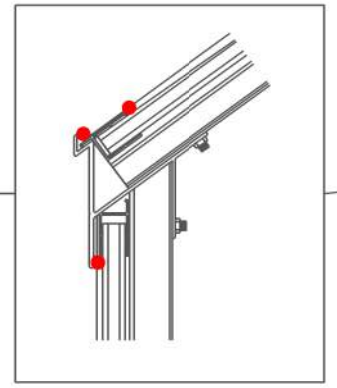


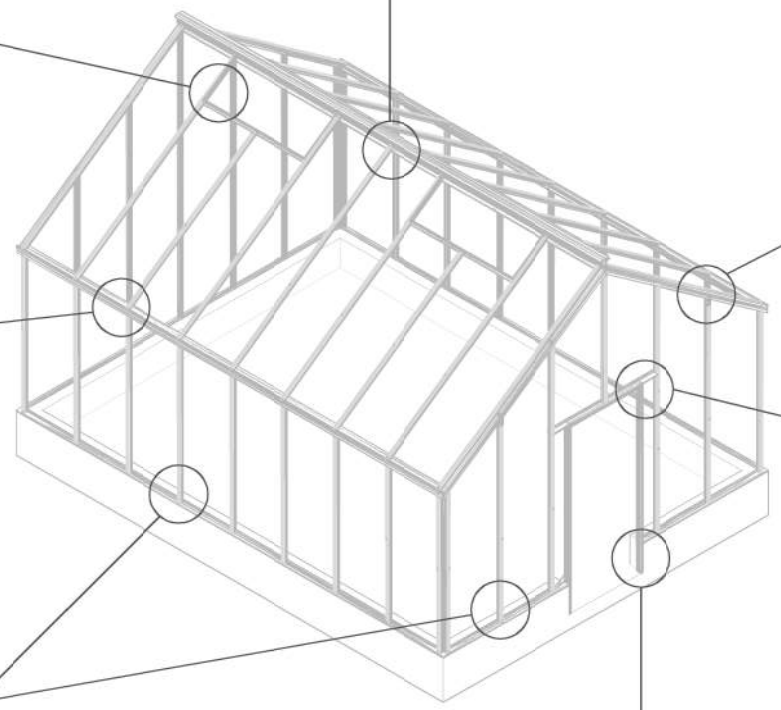



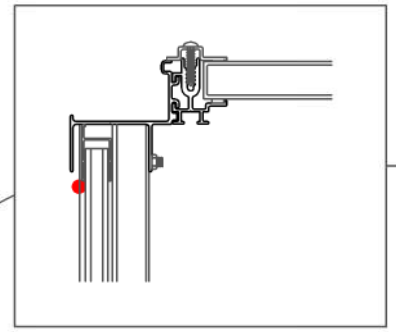


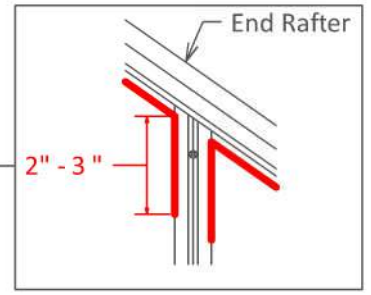


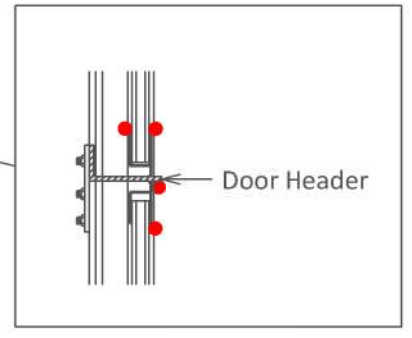



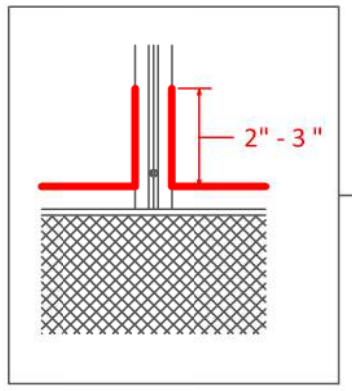



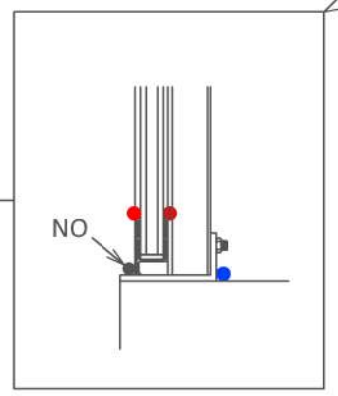


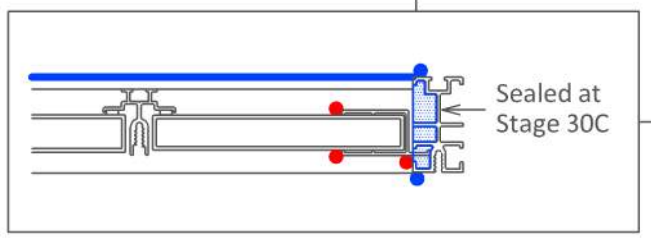


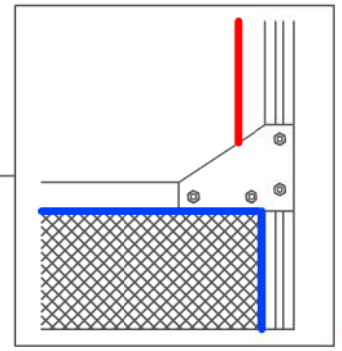


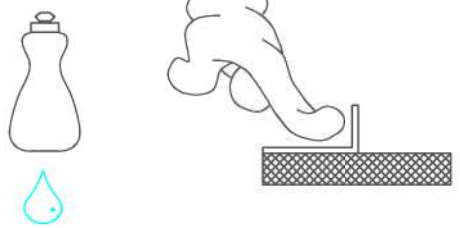



## PRO TIPS

*Sealants are best applied when warm (Room temperature or better)*



*TOOL SEALANTS WITH A SOAPY GLOVED FINGER OR A CAULK-SMOOTHING TOOL.*

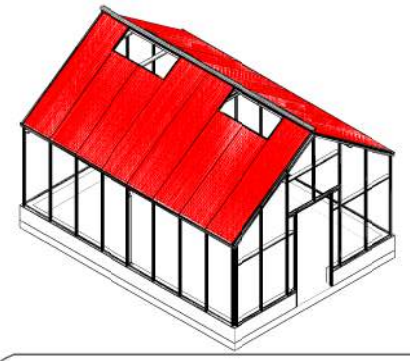
## Parts List:

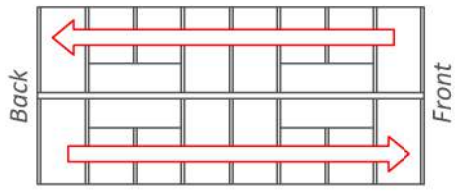

*Silicone*


*Caulking*

*Caulking Gun*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM





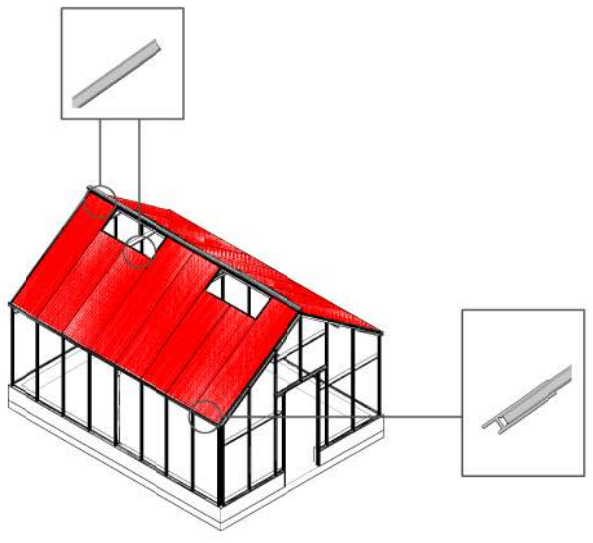

*GLAZE & CAP THE ROOF IN ORDER FROM BACK TO FRONT AND THEN FRONT TO BACK. COMPLETE ONE SIDE BEFORE BEGINNING THE NEXT.*

## *STAGE 33A: ROOF GLAZING - (6MM SINGLE GLASS)*

*STEPS:*

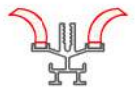
1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE ROOF GLAZING BARS .
2. PLACE THE H-CHANNEL ONTO THE BOTTOM OF A GLASS PANEL

CONTINUE ON NEXT PAGE



1

Peel paper from Foam Tape



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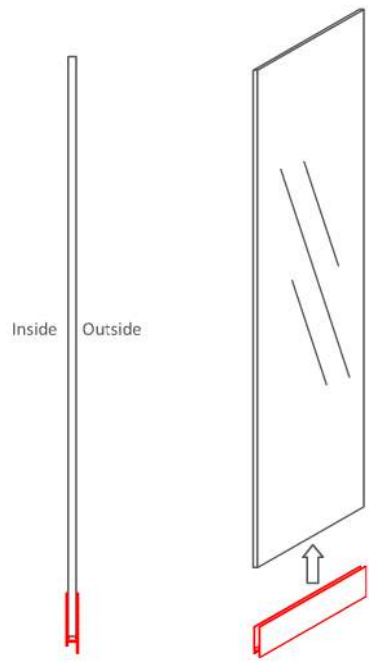



*Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

### *PRO TIPS*

*Have one person working outside the greenhouse and one on the inside to help fit the glass panels into the Ridge.*

### *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

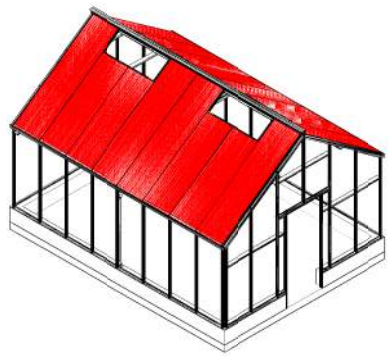


*6mm Single Glass Panels*

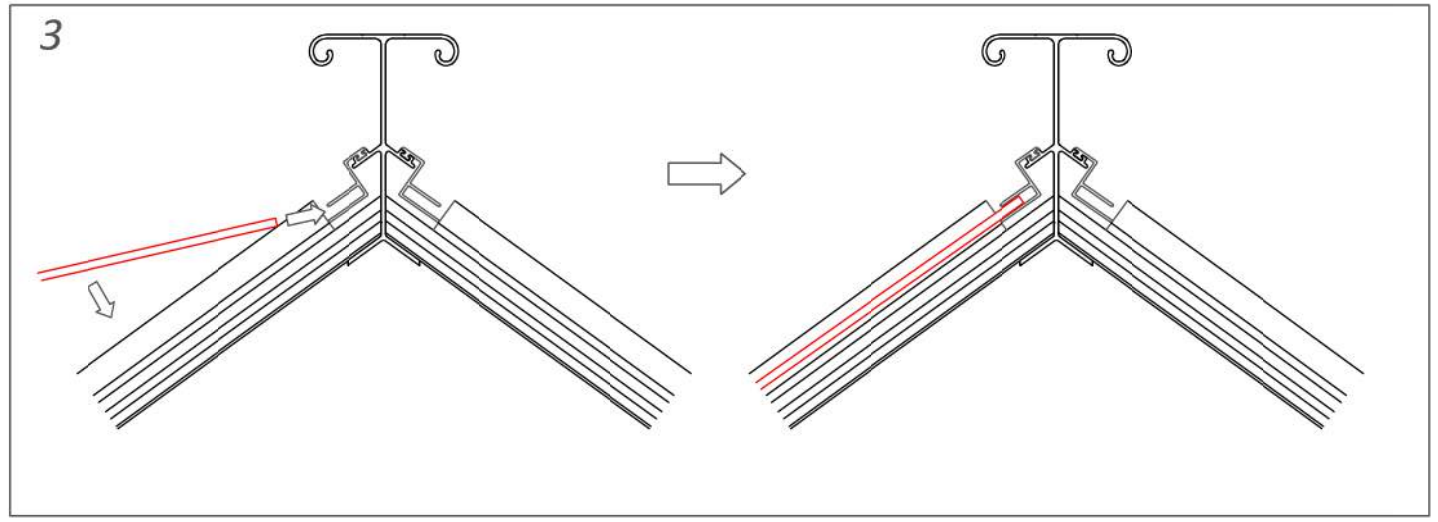


*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 33B: ROOF GLAZING - (6MM SINGLE GLASS)



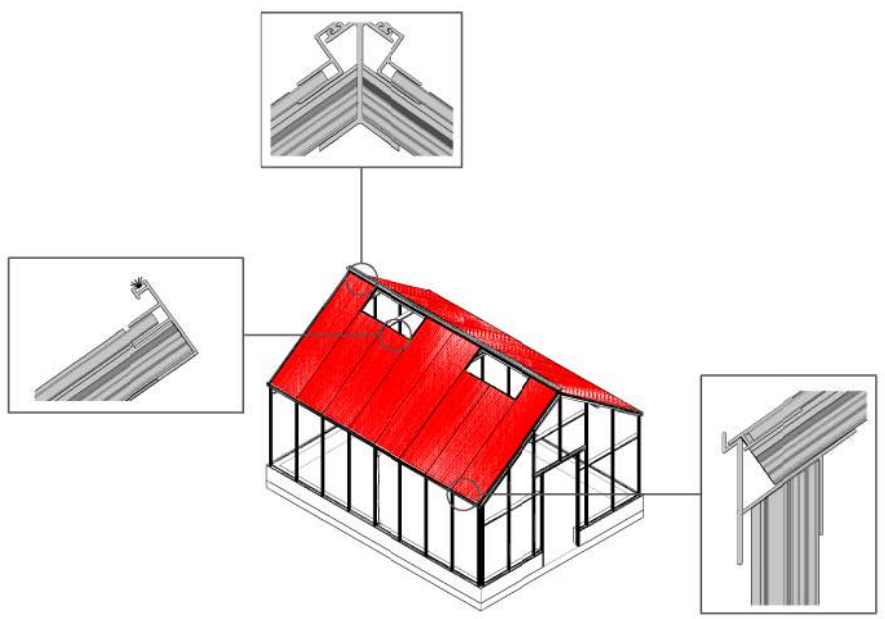

*STEPS:*
3.INSERT THE TOP OF THE GLASS PANEL INTO THE RIDGE.
4. INSERT THE H-CHANNEL AT THE BOTTOM OF THE PANEL INTO THE GUTTER.

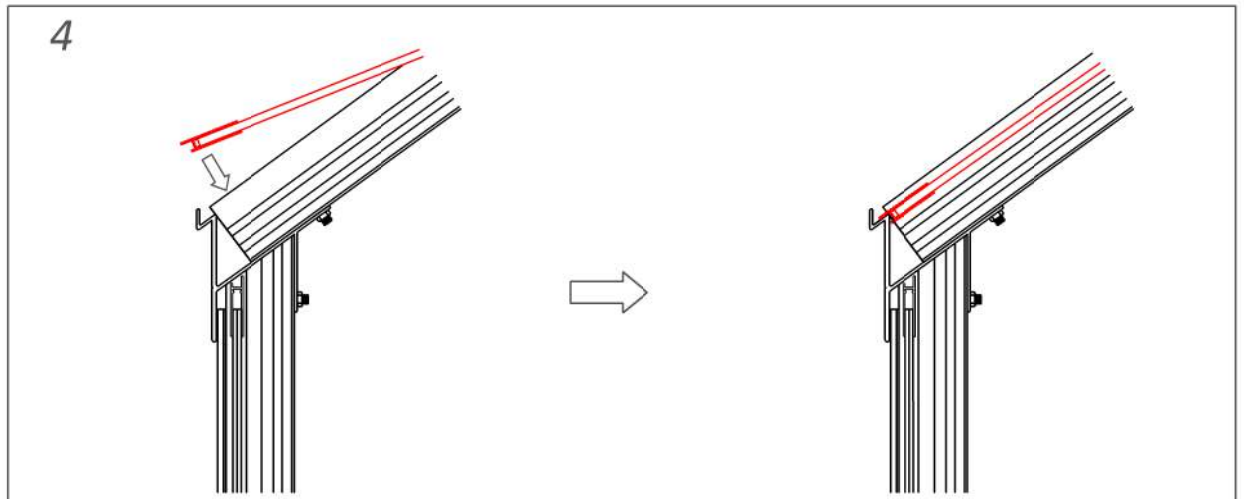
REPEAT

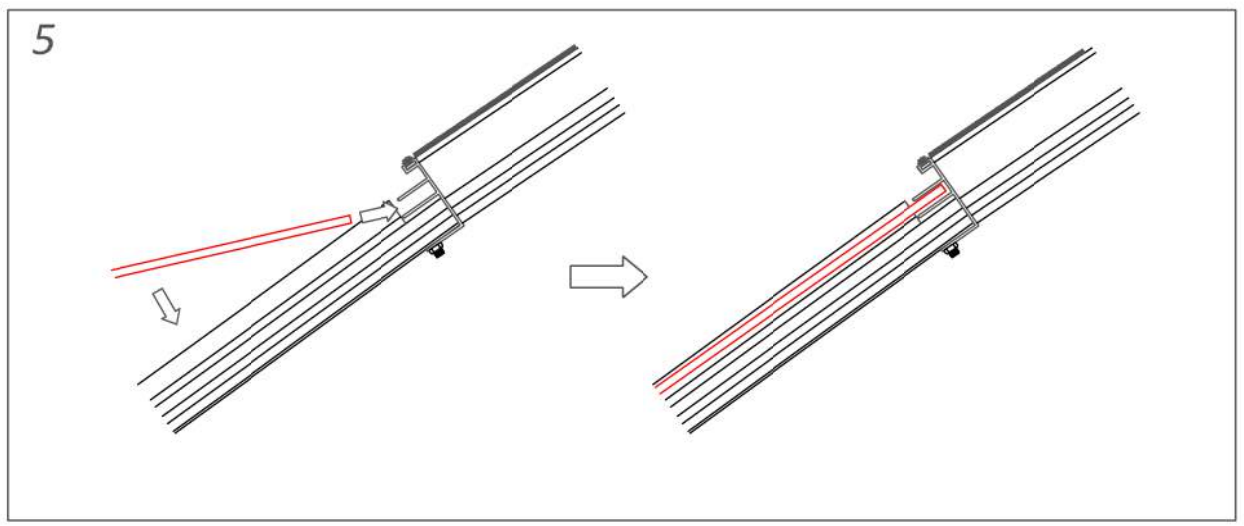
5. INSERT THE TOP OF THE GLASS PANEL INTO THE VENT FRAME BOTTOM.
6. REPEAT STEP 4.

REPEAT

CONTINUE ON NEXT PAGE






*Parts List:*


*Glazing Caps*


*Glazing Caps (Ripped)*


*h-Channels*


*6mm Single Glass Panels*


*#8 x $\frac{5}{8}$" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

# STAGE 33C: ROOF END CAPS- (6MM SINGLE GLASS)

<u>STEPS:</u>

7. LAY THE RIPPED CAP ON THE END GLAZING BAR AND TUCK BENEATH THE END RAFTER.(CAP SHOULD SIT TIGHT TO THE GUTTER)
8. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

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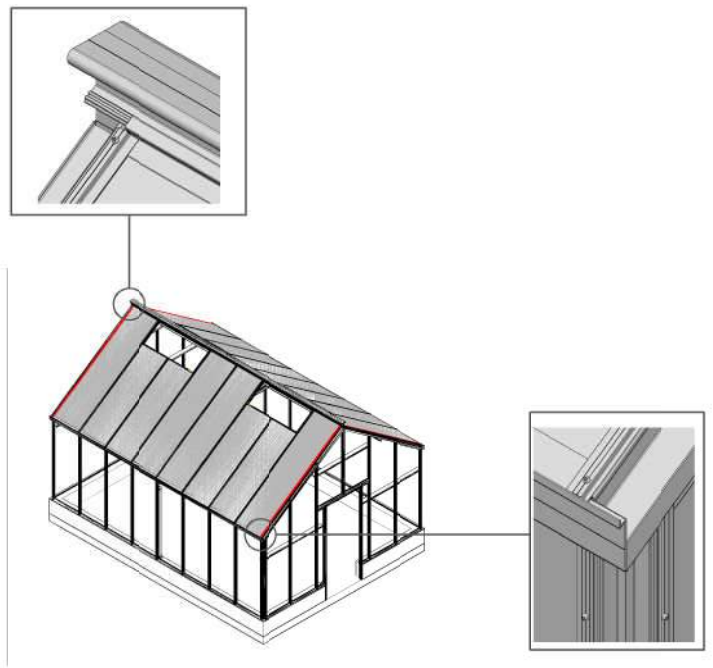

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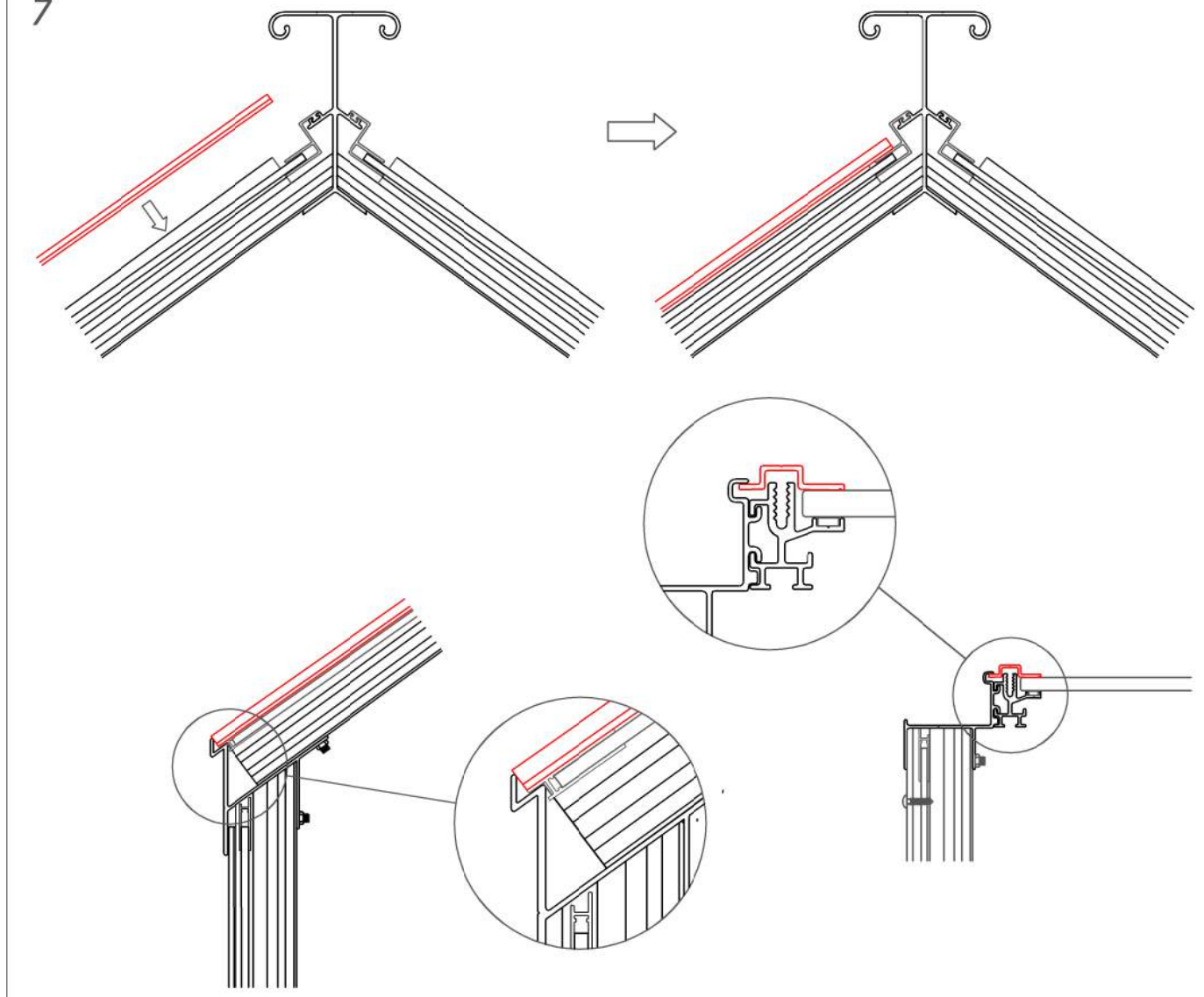
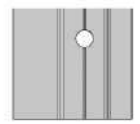


8

*Typical Ripped Glazing Cap (Roof)*

*Square Cut on top.*



*Square Cut on bottom.*

## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

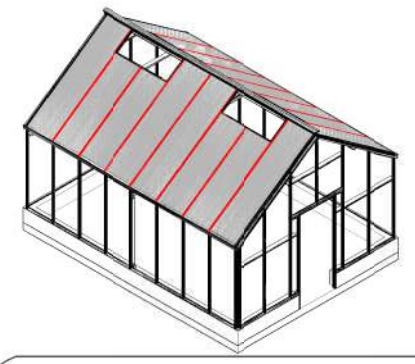


*6mm Single Glass Panels*



*#8 x $\frac{5}{8}$" S.S. Screws*

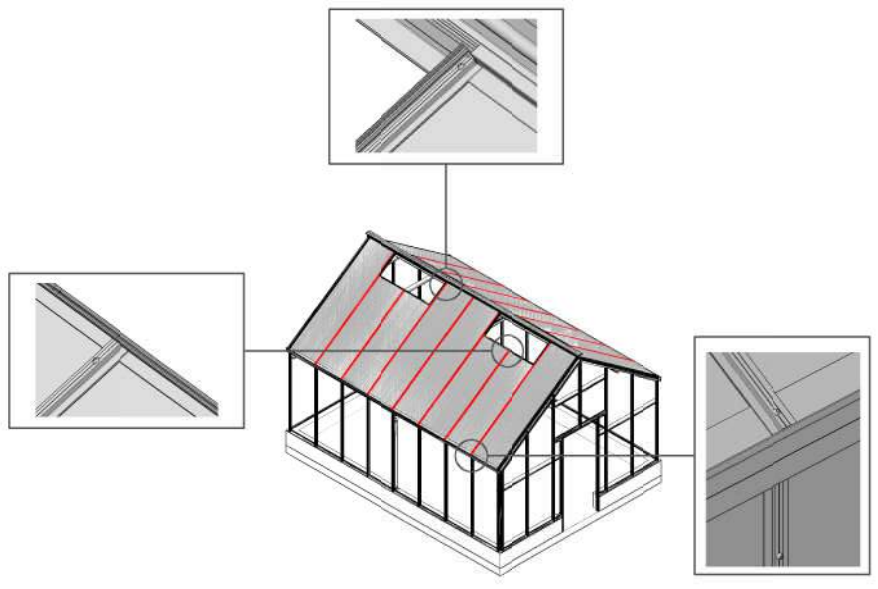
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 33D: ROOF GLAZING - (6MM SINGLE GLASS)

<u>STEPS:</u>
9. LAY THE CAP ON THE GLAZING BAR (CAP SHOULD SIT TIGHT TO THE GUTTER)
10. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING ROOF CAPS



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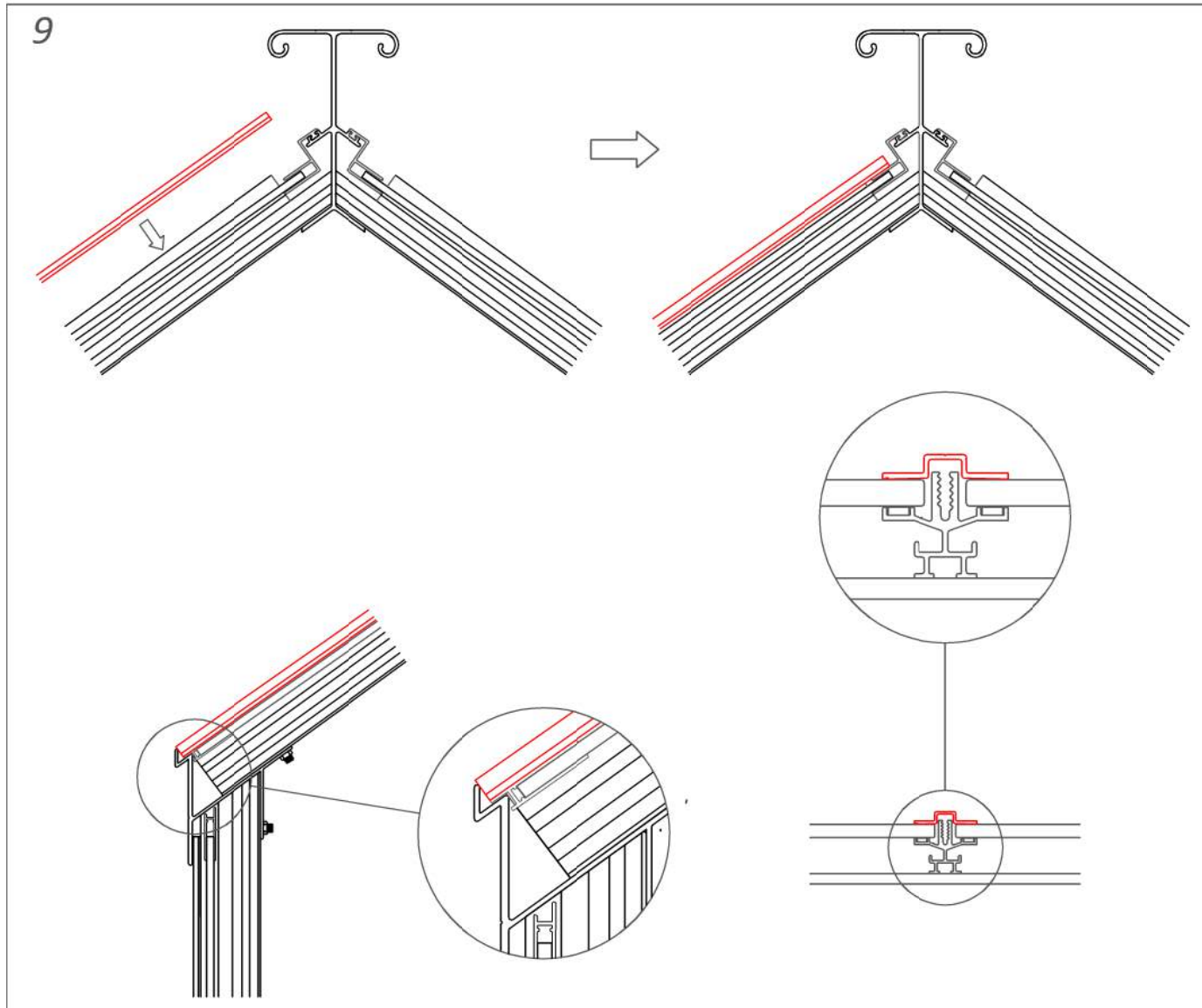


10

*Typical Glazing Cap (Roof)*

*Square Cut on top.*

*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

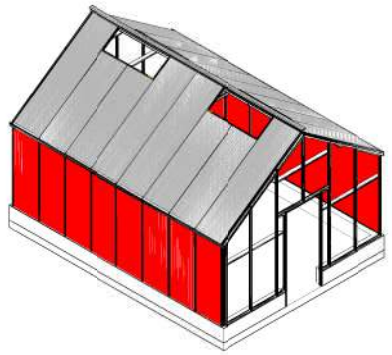


*Twinwall Polycarbonate Panels*



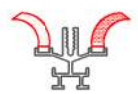
*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 34A: SIDE WALL GLAZING - (6MM SINGLE GLASS)

1 Peel paper from Foam Tape



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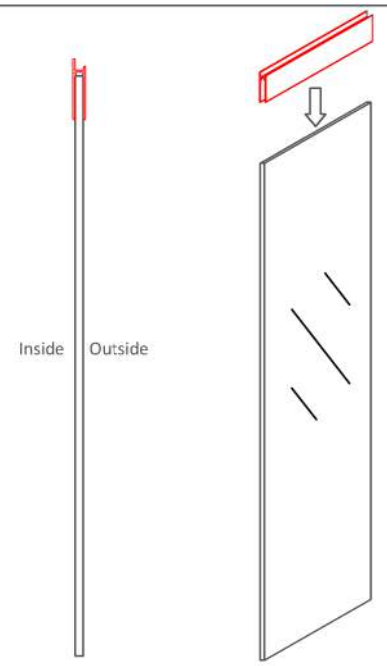
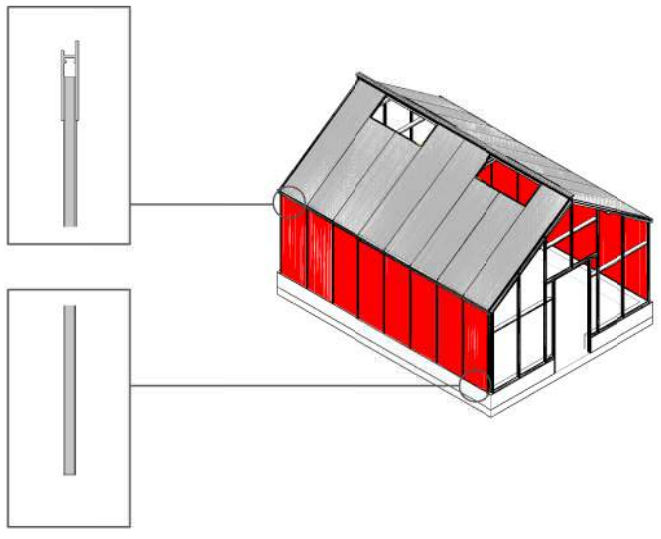



*STEPS:*

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. PLACE THE H-CHANNEL ONTO THE TOP OF A GLASS PANEL

CONTINUE ON NEXT PAGE



## PRO TIPS

*Your greenhouse will come with a glass map showing the size and location of every piece of glass.*

*On hot days, you may find that the Glazing Foam is too sticky. Spraying the foam with a light soapy water will make installing the Glass easier.*

*Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## *Parts List:*

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

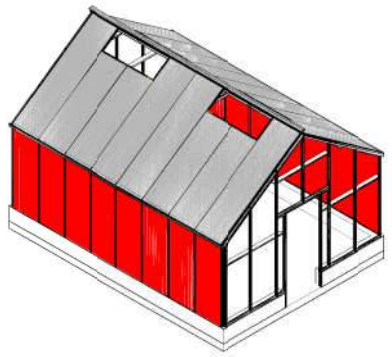


*6mm Single Glass Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 34B: SIDE WALL GLAZING - (6MM SINGLE GLASS)

*STEPS:*

3. SLIP THE TOP OF THE GLASS PANEL BENEATH THE GUTTER.
4. PUSH THE BOTTOM OF THE GLASS PANEL INTO POSITION.
5. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE GUTTER.

REPEAT FOR ALL SIDE WALL GLAZING

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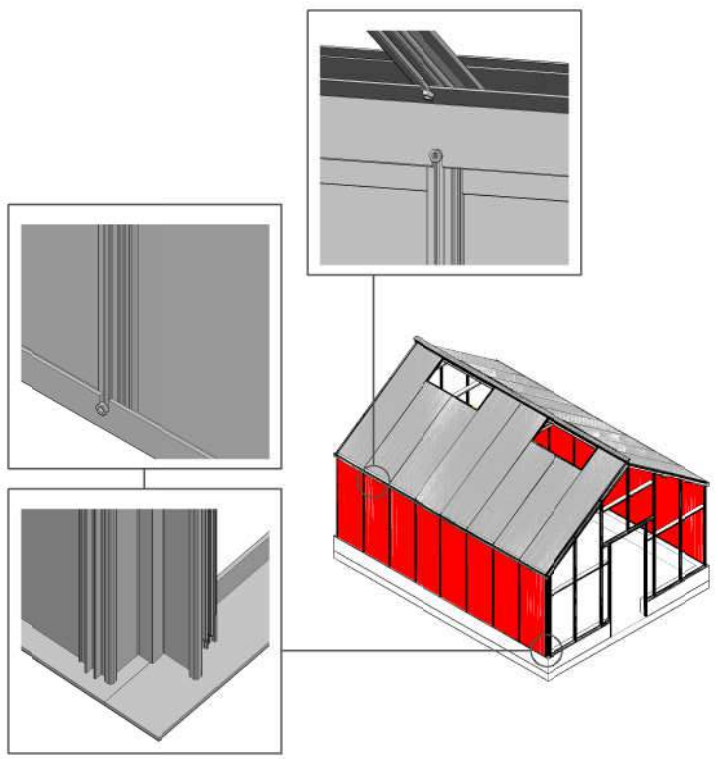
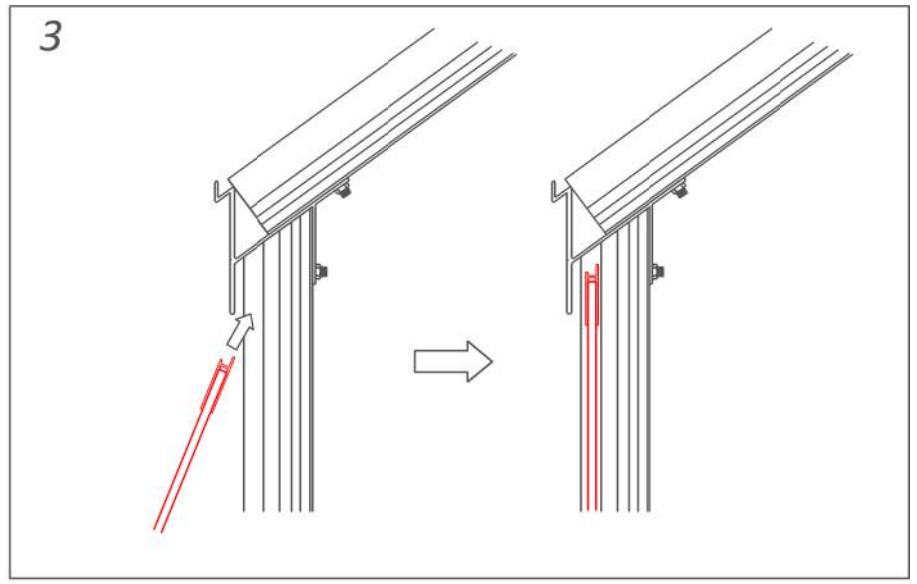
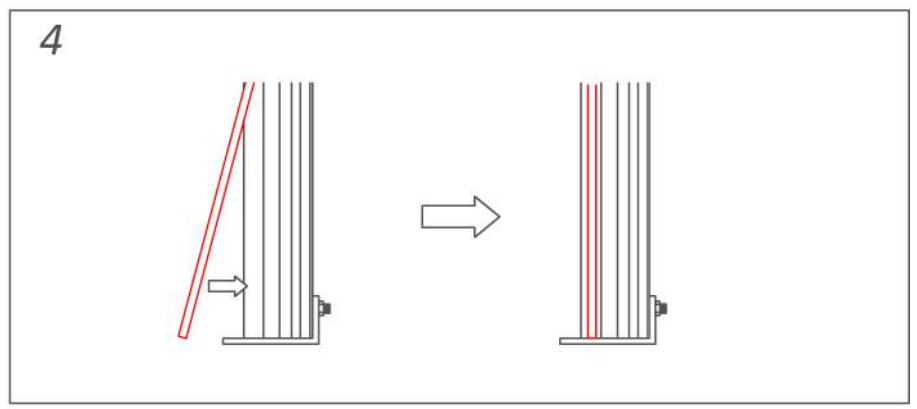
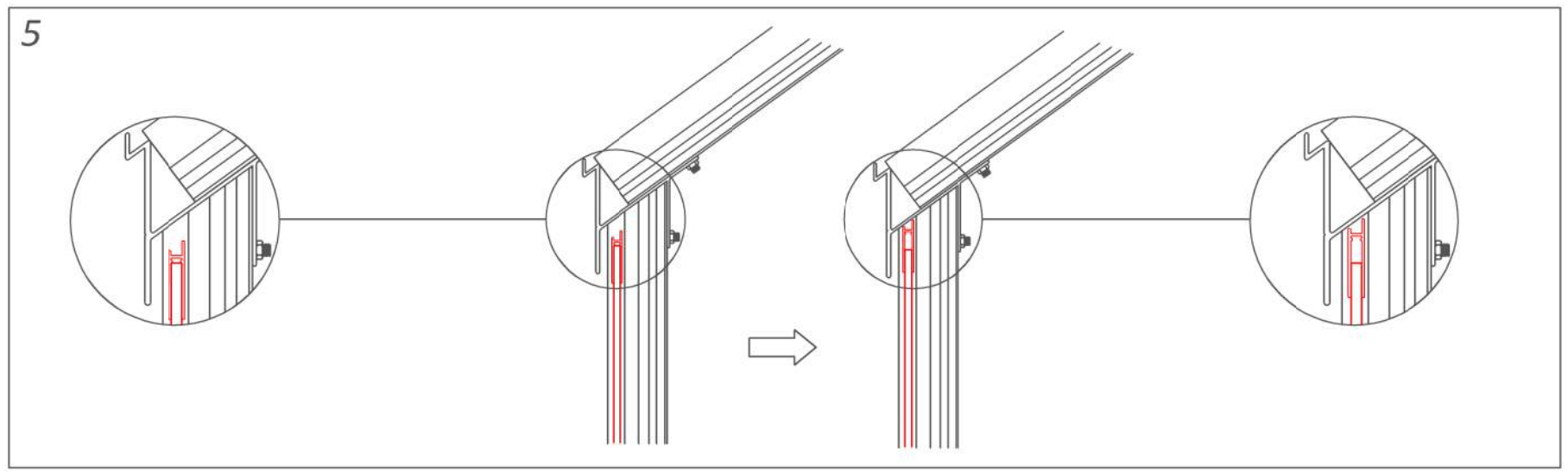





### PRO TIPS

*Start by glazing the 4 corners on the side walls of the greenhouse.*
*This will help to square the frame from front to back.*
*Don't be afraid to shift the Frame as necessary.*

*Parts List:*

*Glazing Caps*

*Ripped Glazing Caps*

*h-Channels*

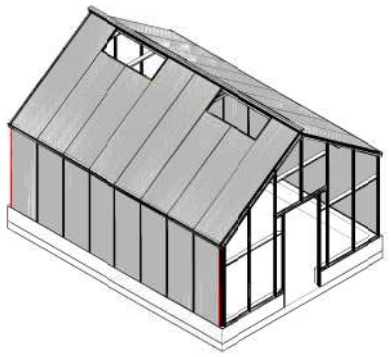


*6mm Single Glass Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 34C: SIDE WALL CORNER CAPS - (6MM SINGLE GLASS)

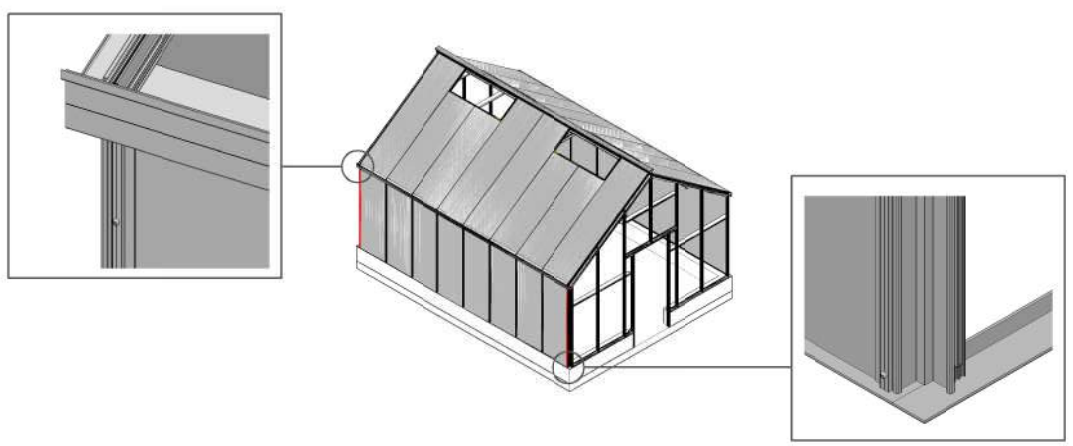
*STEPS:*

6. TUCK THE TOP OF THE RIPPED CAP BENEATH THE GUTTER AND INSIDE THE CORNER POST.
7. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE

*WARNING*
- DO NOT USE A CORDLESS DRILL DURING THIS STAGE-
OVER-TIGHTENING THE SCREWS CAN
CAUSE THE GLASS TO SHATTER



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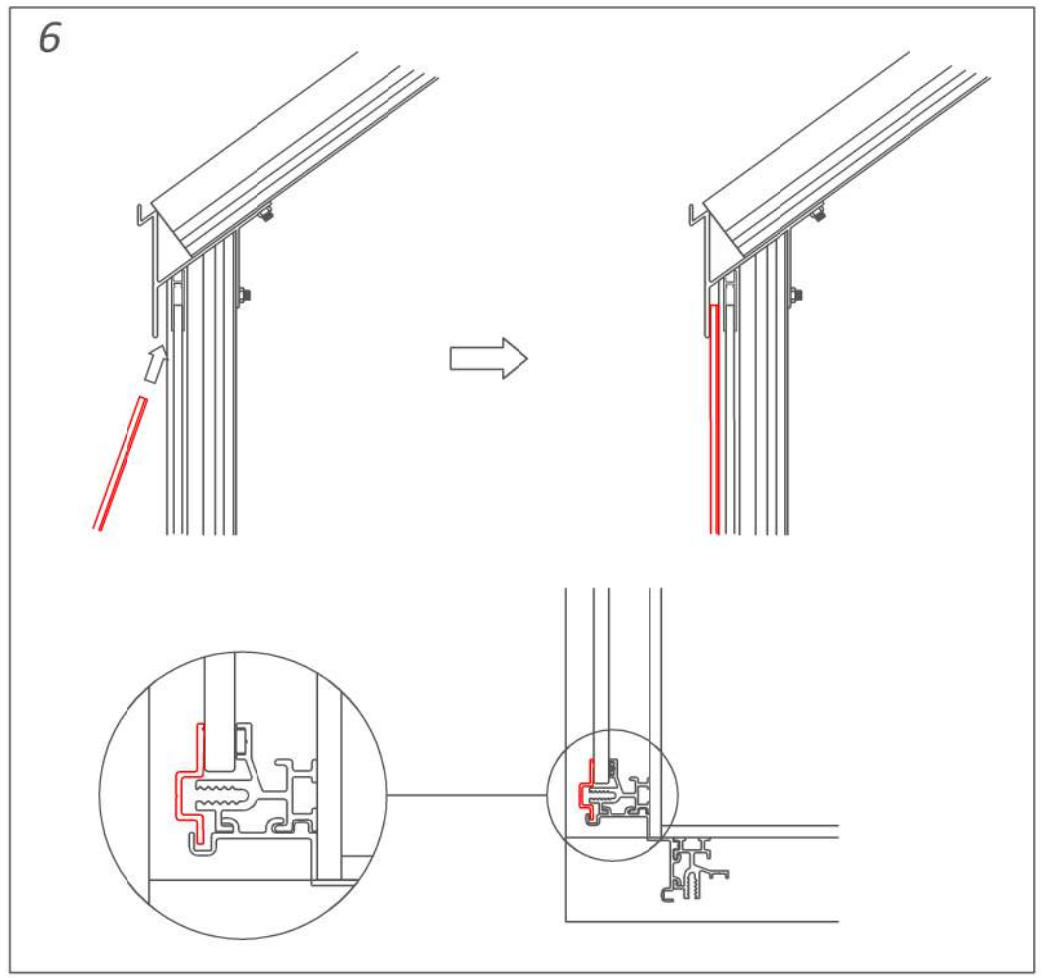

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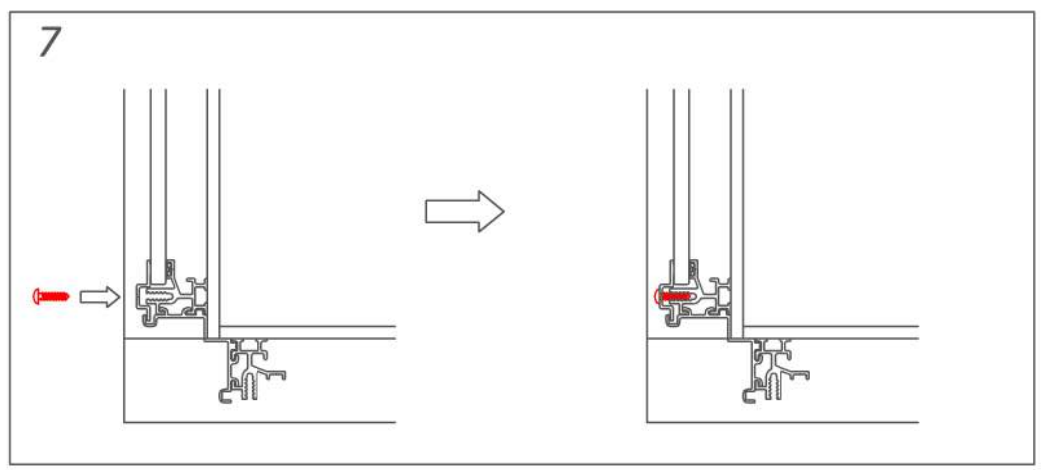
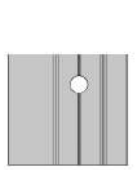


### PRO TIPS

*All Glazing Caps are cut and punched so that the holes will line up horizontally if installed right side up.*

*Typical Ripped Glazing Cap (Side Wall)*

*Square Cut on top.*



*Square Cut on bottom.*

*Parts List:*

*Glazing Caps*

*Ripped Glazing Caps*

*h-Channels*

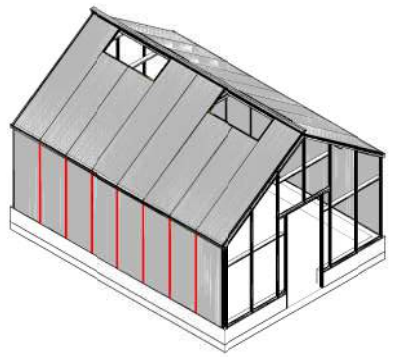


*6mm Single Glass Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

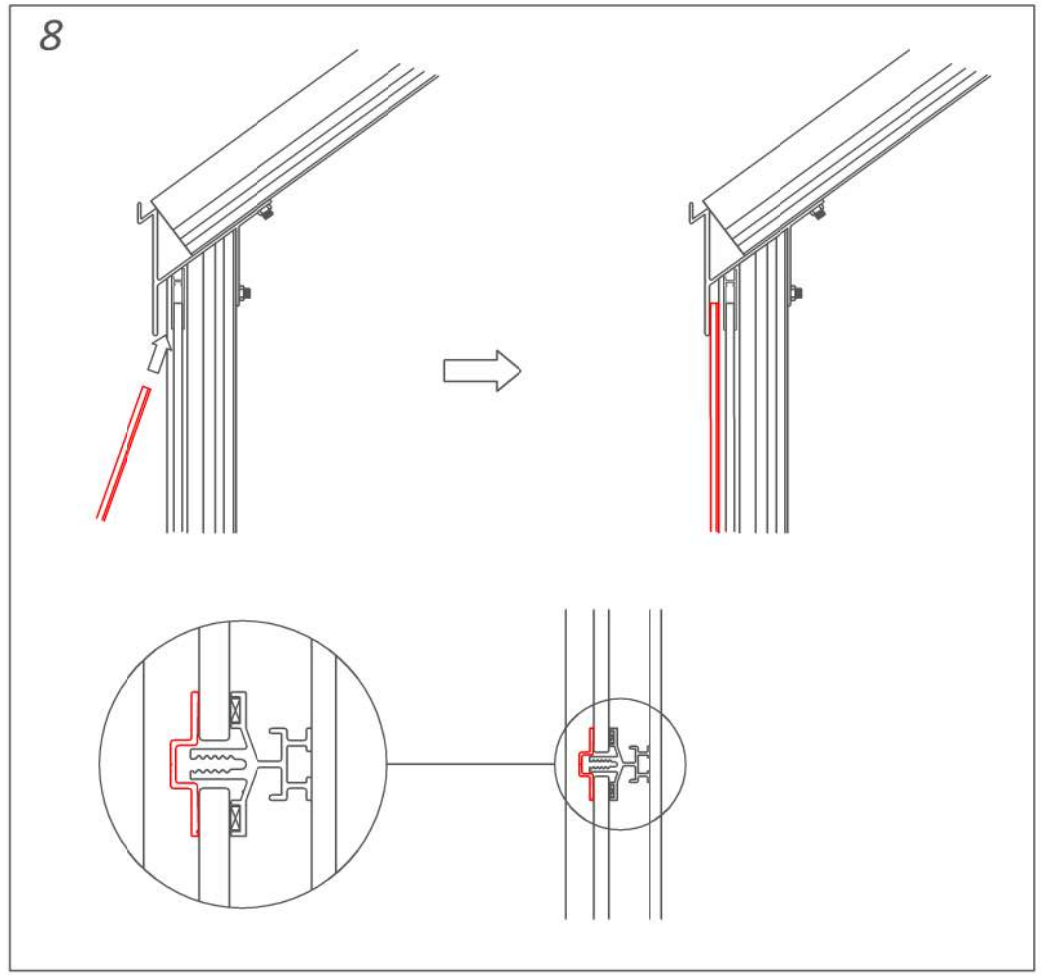


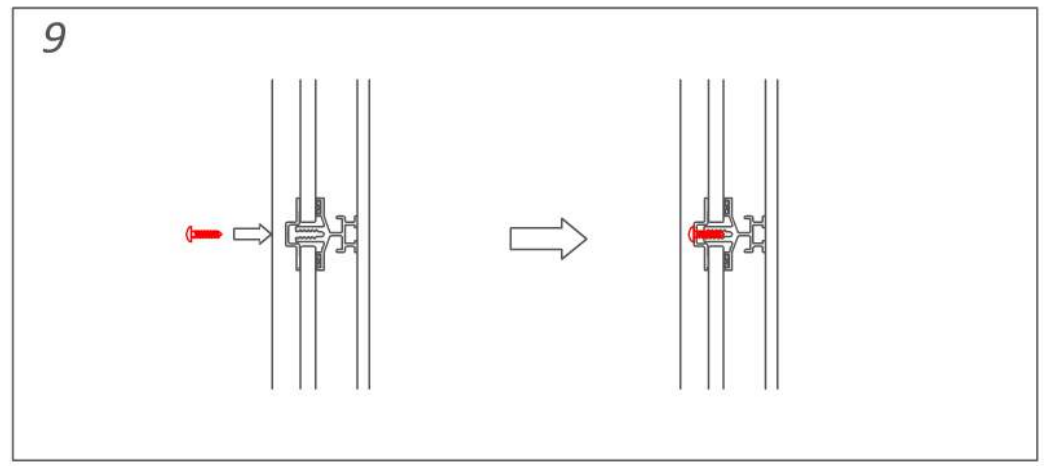
## STAGE 34D: SIDE WALL CAPS - (6MM 6MM SINGLE GLASS)

*STEPS:*

8. TUCK THE TOP OF THE CAP BENEATH THE GUTTER.
9. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL REMAINING CAPS



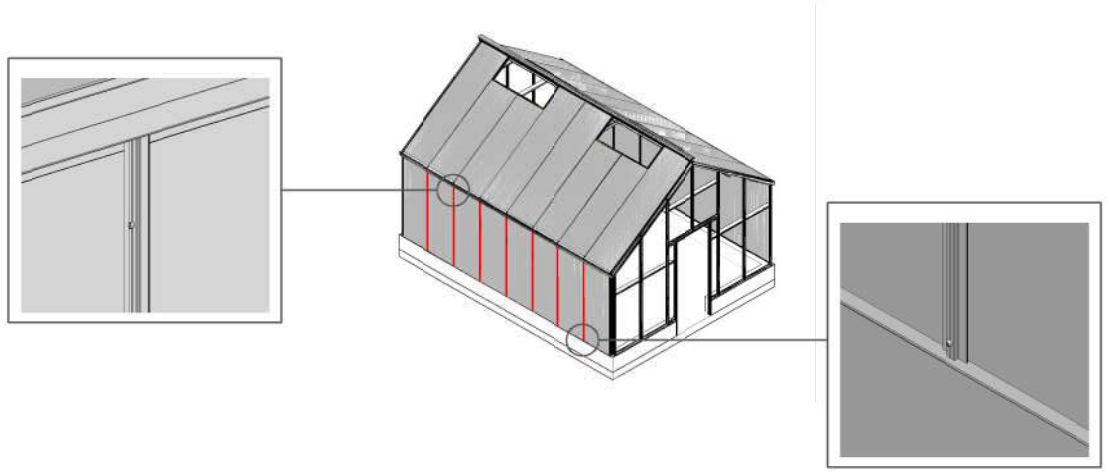

### PRO TIPS

*All Side Wall Caps should sit flush on top of the Base and be tucked underneath the gutter.*

*Typical Glazing Cap (Side Wall)*

*Square Cut on top.*

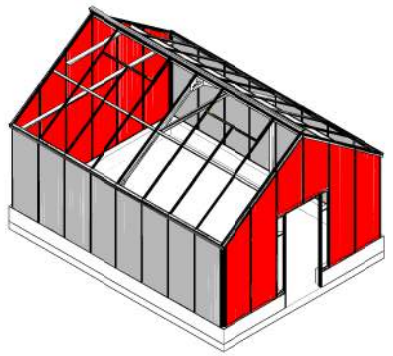
*Square Cut on bottom.*



*Parts List:*

*Glazing Caps* | *Ripped Glazing Caps* | *h-Channels* | *6mm Single Glass Panels* | *#8 x 5/8" S.S. Screws*

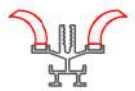
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# STAGE 35A: GABLE GLAZING - (6MM SINGLE GLASS)

1

Peel paper from
Foam Tape



## PRO TIPS

*h-Channels for the top of the Glass are cut at angle on both ends to match the roof pitch of the greenhouse.*

<u>STEPS:</u>

1. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE SIDE WALL GLAZING BARS .
2. PLACE THE H-CHANNEL ONTO THE TOP OF A GLASS PANEL

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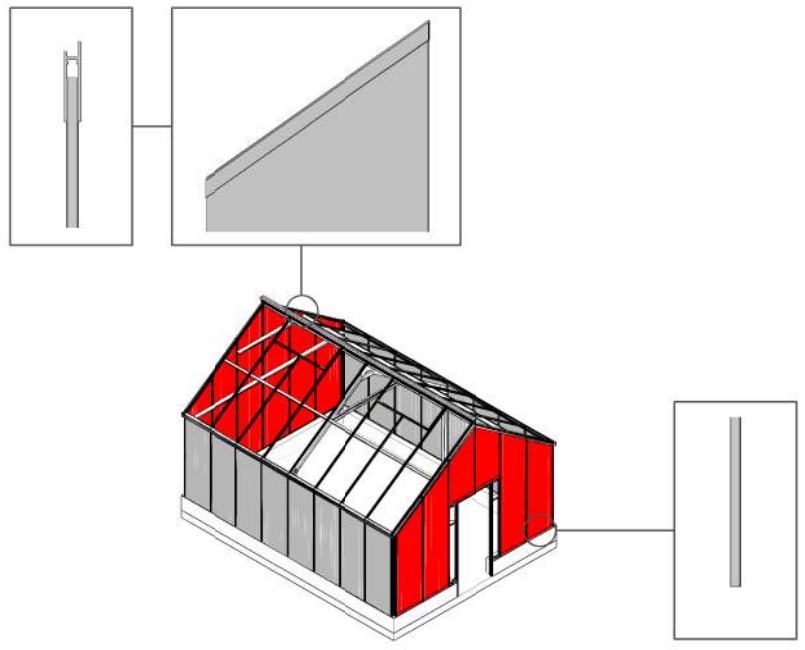

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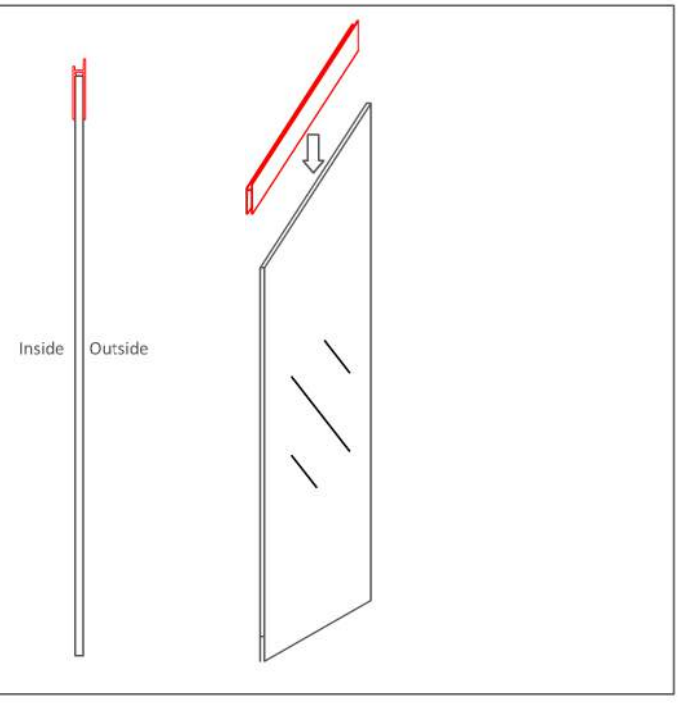



*Glazing Caps & h-Channels will come packaged specific to their location in the greenhouse. Open the Bundles only as you need them.*

## Parts List:

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

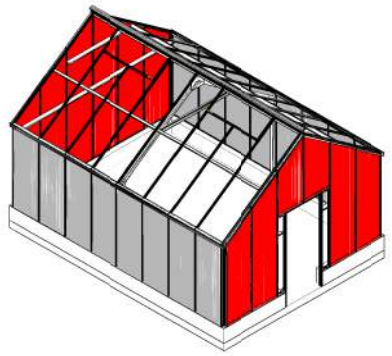


*6mm Single Glass Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



## STAGE 35B: GABLE GLAZING - (6MM SINGLE GLASS)

*STEPS:*

3. SLIP THE TOP OF THE GLASS PANEL BENEATH THE END RAFTER.
4. PUSH THE BOTTOM OF THE GLASS PANEL INTO POSITION.
5. PUSH THE TOP H-CHANNEL UP UNTIL IT TOUCHES THE UNDERSIDE OF THE END RAFTER.

REPEAT FOR ALL ANGLE-CUT GABLE GLAZING

6. FILL GAP BETWEEN THE BASE AND DOOR FRAME WITH CAULKING.
7. INSERT THE GLASS PANEL INTO THE SIDE OF THE DOOR FRAME AND ROTATE IT INTO POSITION

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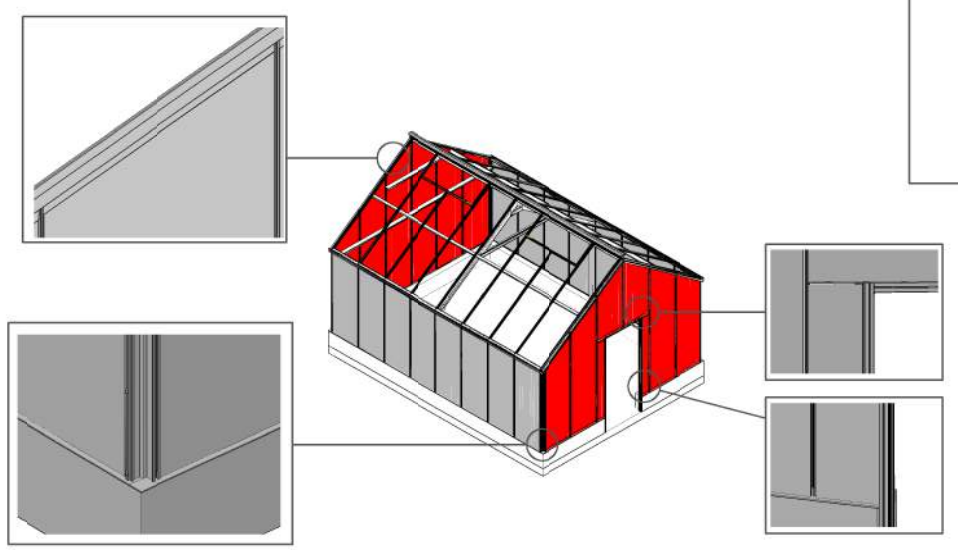

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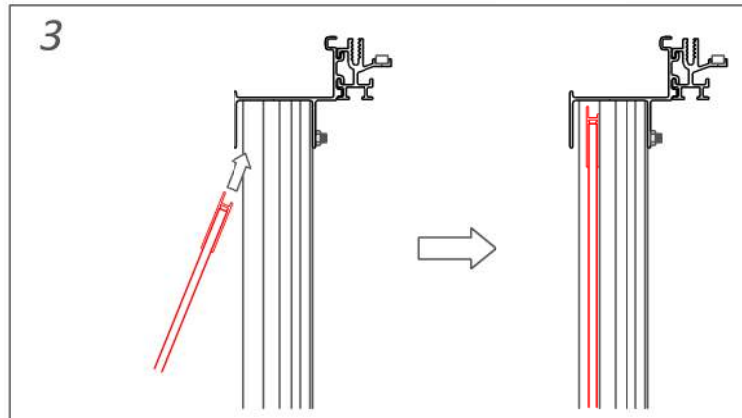

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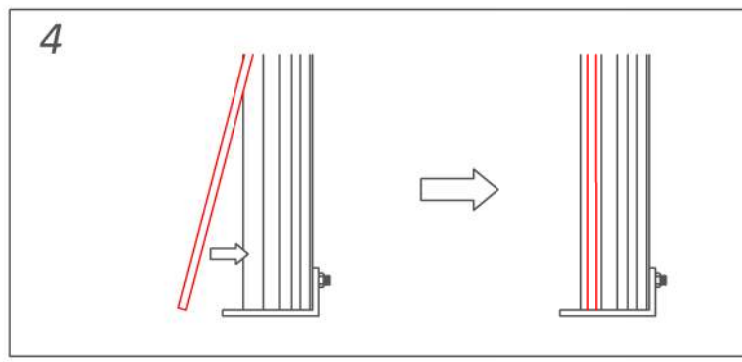

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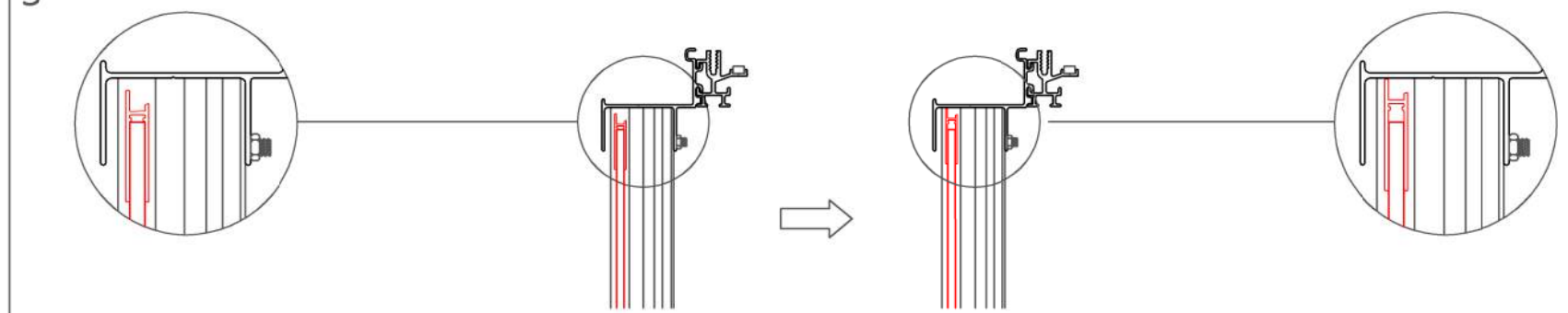

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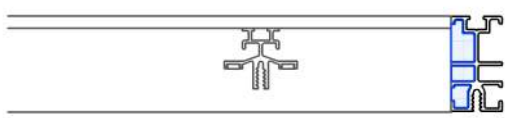

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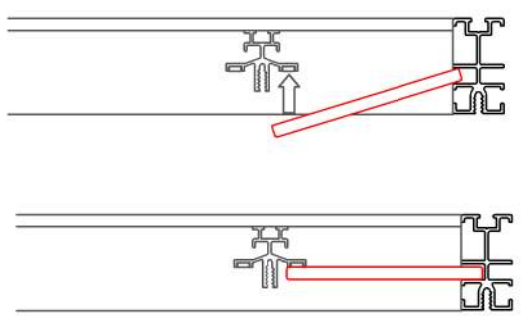


### PRO TIPS

*Start by glazing the 4 corners on the gable walls of the greenhouse.*
*This will help to square the frame from left to right.*
*Don't be afraid to shift the Frame as necessary.*

### Parts List:

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*



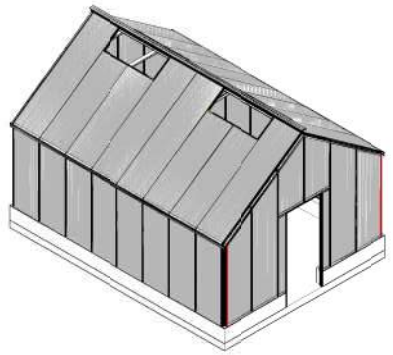
*6mm Single Glass Panels*



*#8 x $\frac{5}{8}$" S.S. Screws*

*Caulking*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



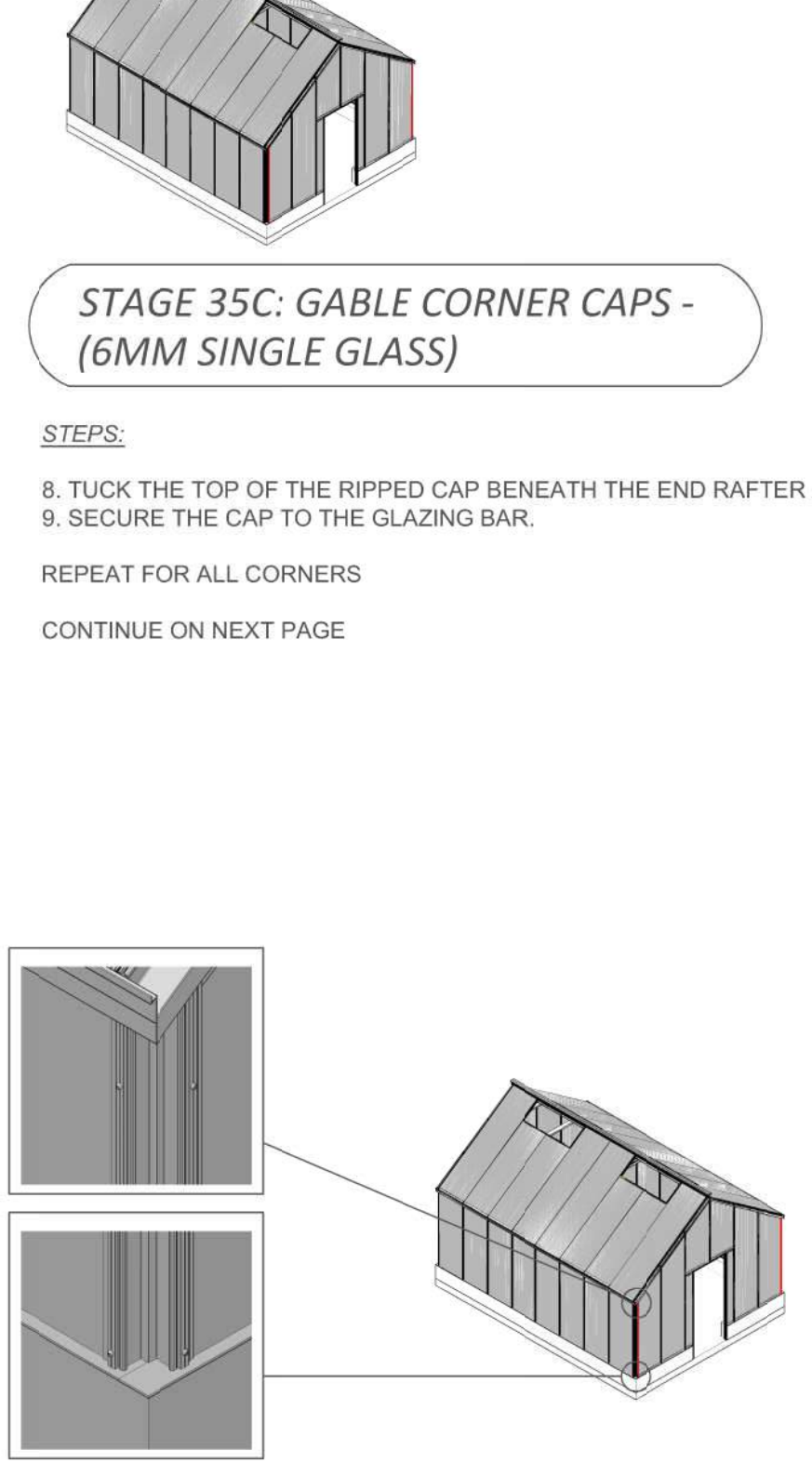
# STAGE 35C: GABLE CORNER CAPS - (6MM SINGLE GLASS)

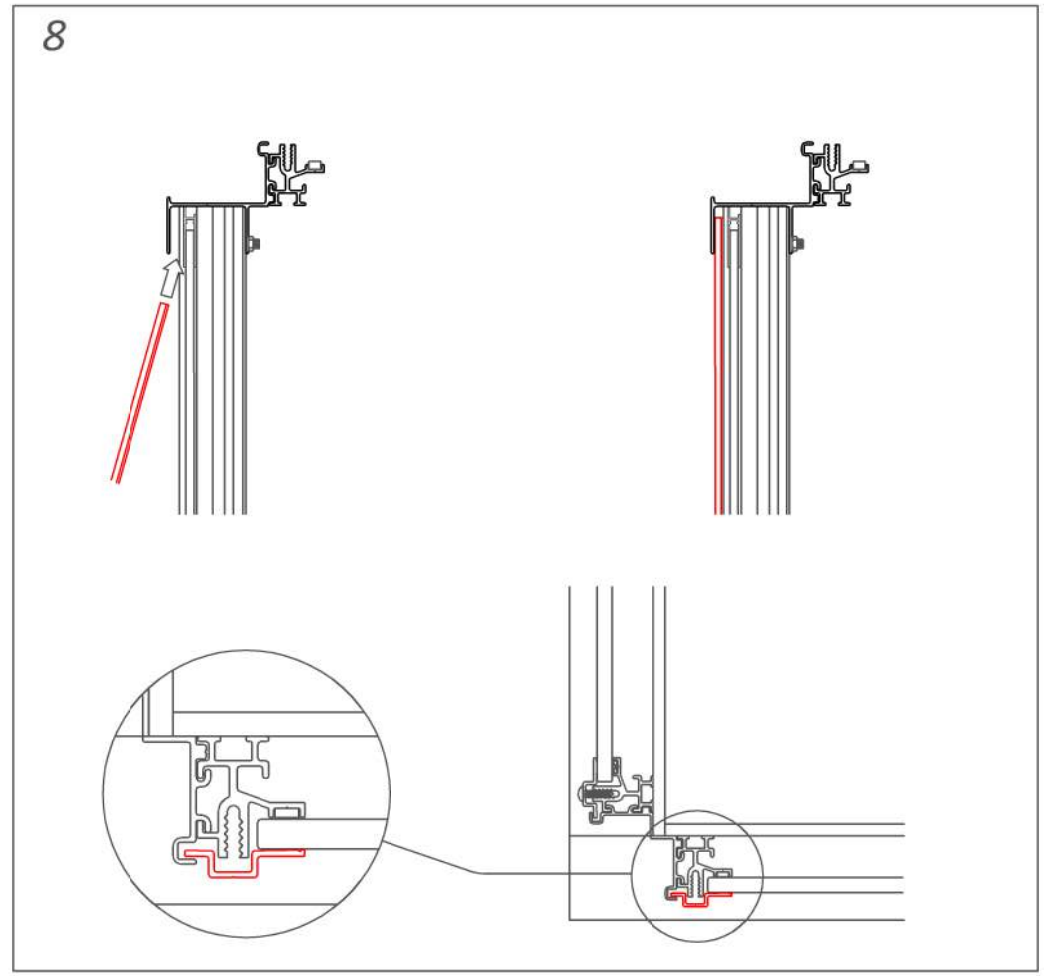
STEPS:

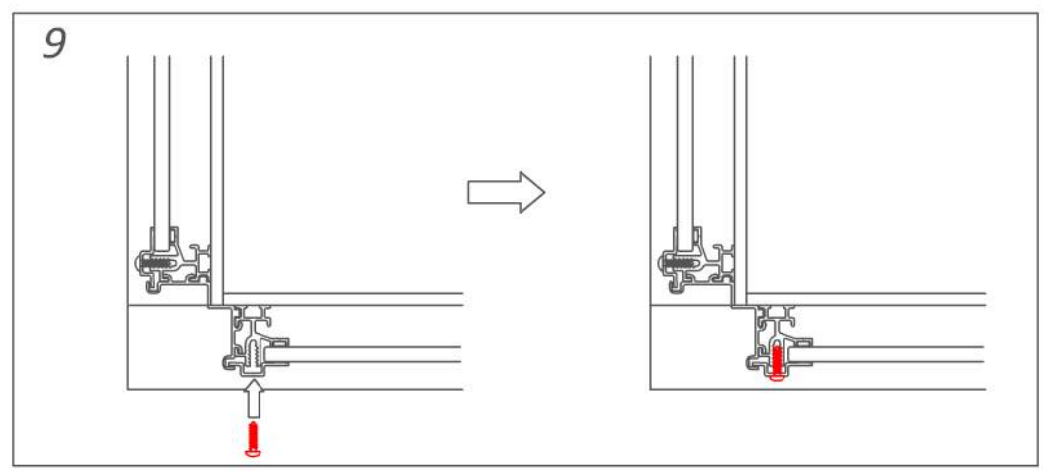
8. TUCK THE TOP OF THE RIPPED CAP BENEATH THE END RAFTER AND INSIDE THE CORNER POST.
9. SECURE THE CAP TO THE GLAZING BAR.

REPEAT FOR ALL CORNERS

CONTINUE ON NEXT PAGE

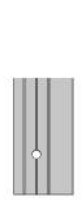





*Typical Ripped Glazing Cap (Gable Wall)*

*Angle Cut Left to Right on top.*



*Square Cut on bottom.*

## Parts List:

*Glazing Caps*

*Glazing Caps (Ripped)*

*h-Channels*

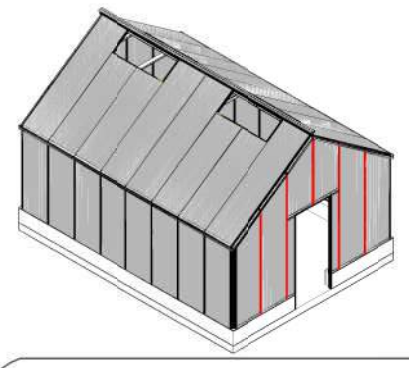


*6mm Single Glass Panels*



*#8 x 5/8" S.S. Screws*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

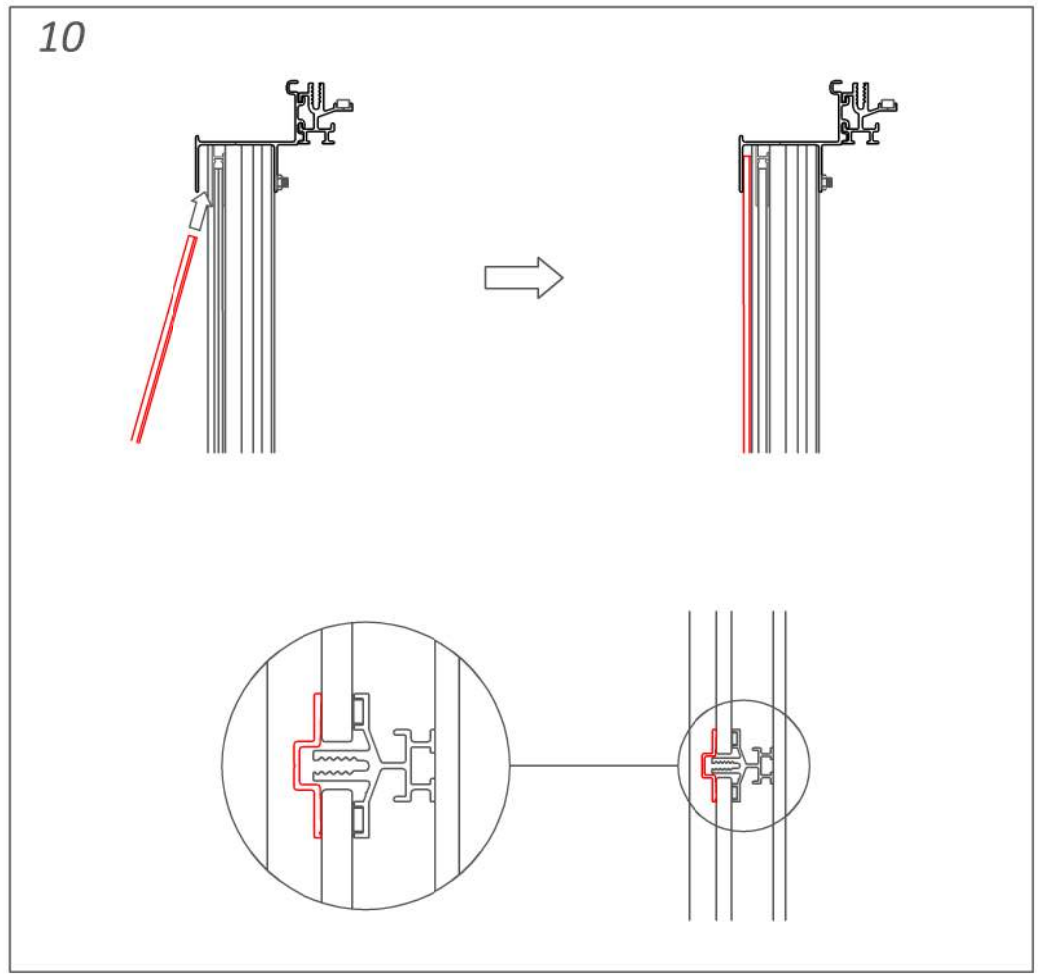


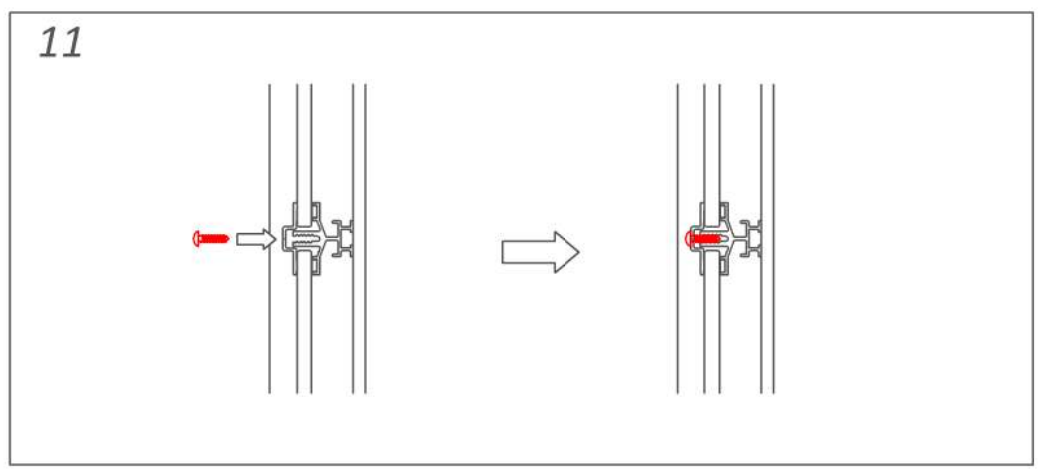
# STAGE 35D: GABLE CAPS - (6MM SINGLE GLASS)

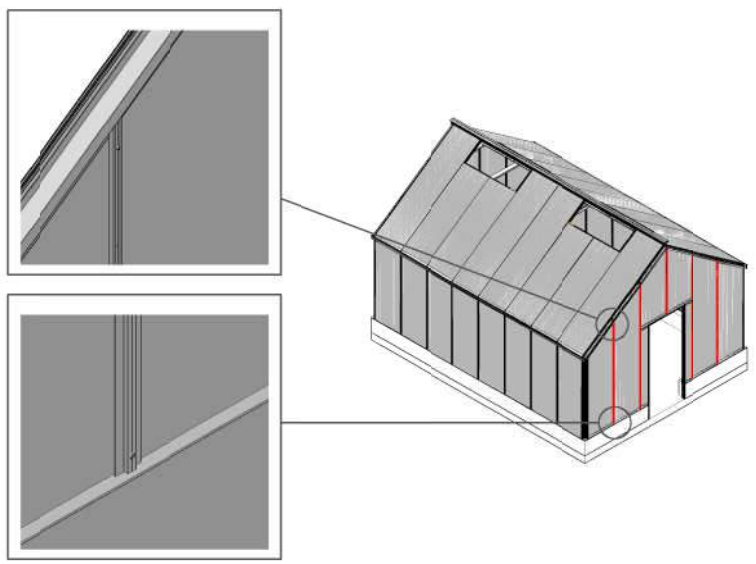
STEPS:

10. TUCK THE TOP OF THE CAP BENEATH THE END RAFTER.
11. SECURE THE CAP TO THE GLAZING BAR.

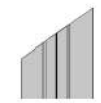
REPEAT FOR ALL REMAINING CAPS



Typical Glazing Cap (Gable Wall)



Angle Cut Left to Right on top.



Square Cut on bottom.

## Parts List:

Glazing Caps

Glazing Caps (Ripped)

h-Channels



Twinwall Polycarbonate Panels

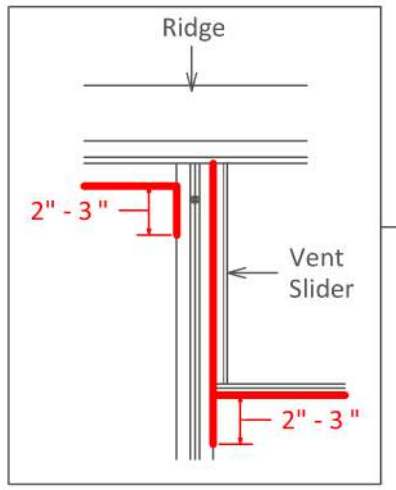


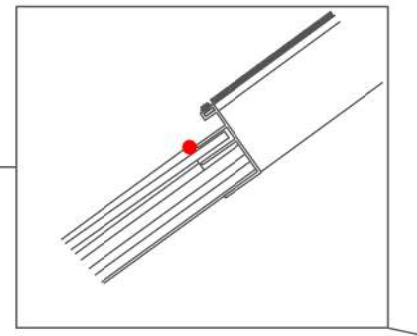
#8 x 5/8" S.S. Screws

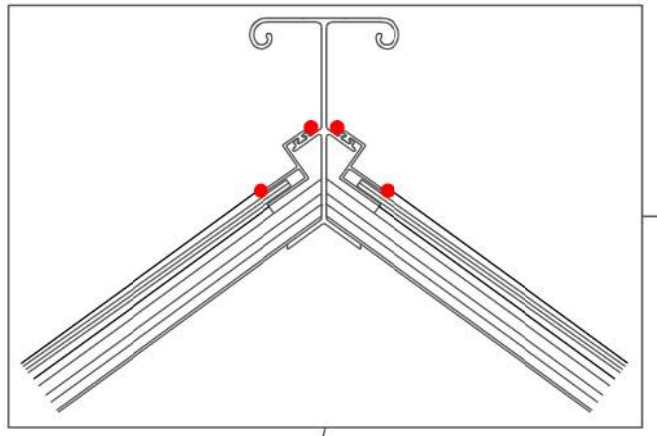
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

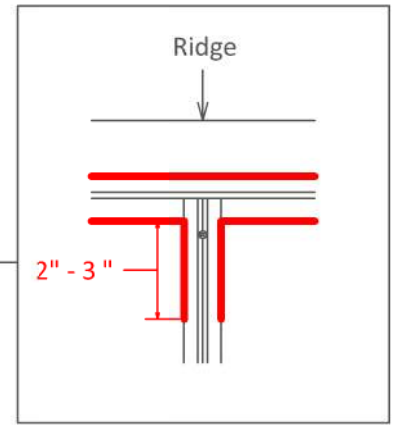
# STAGE 36: SEALING - (6MM SINGLE GLASS)

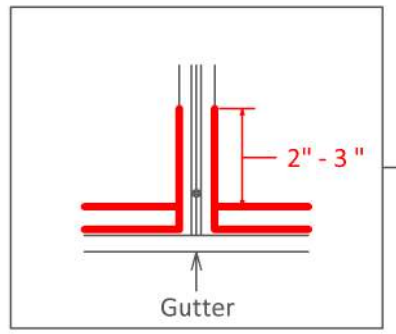
- CLEAR SILICONE (PROGLAZE)
- COLORED CAULKING (TREMCO 830)

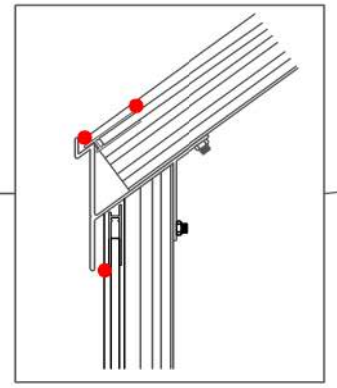


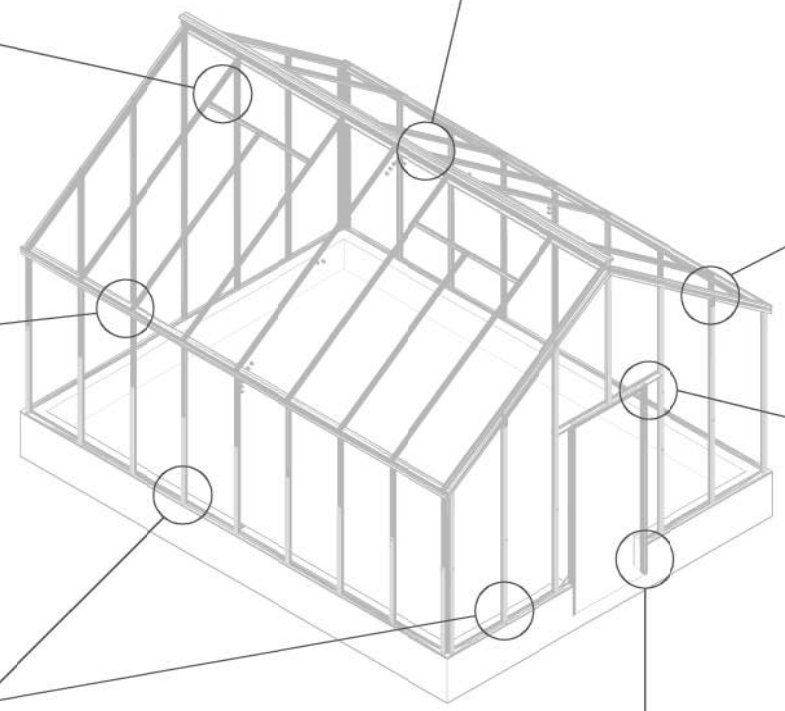



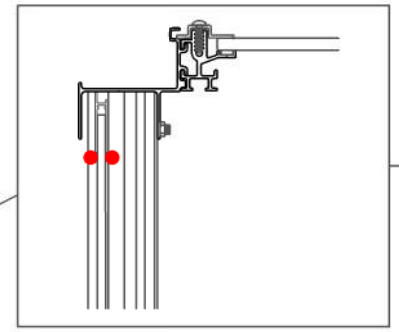


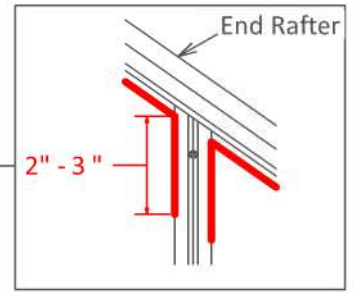


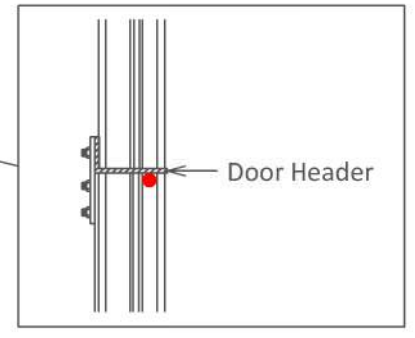



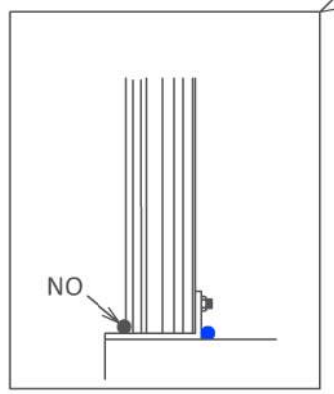



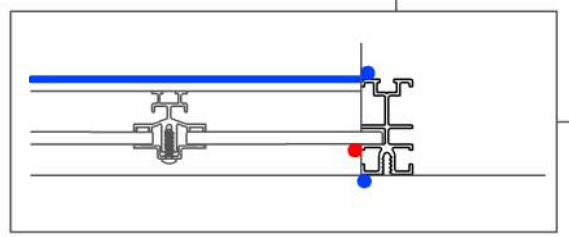


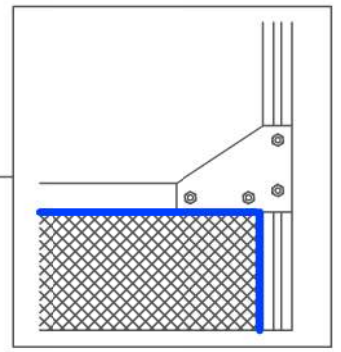




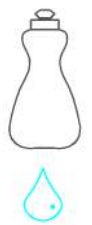



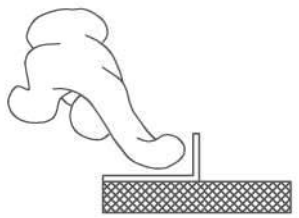





## PRO TIPS

*Sealants are best applied when warm (Room temperature or better)*



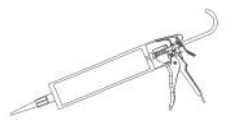


*TOOL SEALANTS WITH A SOAPY GLOVED FINGER OR A CAULK-SMOOTHING TOOL.*

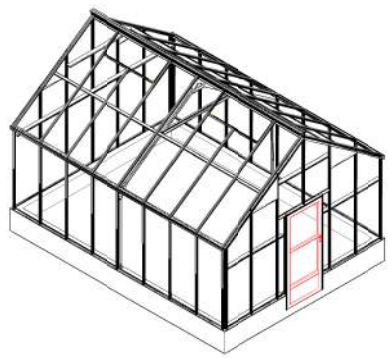
## Parts List:

*Silicone*

*Caulking*


*Caulking Gun*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

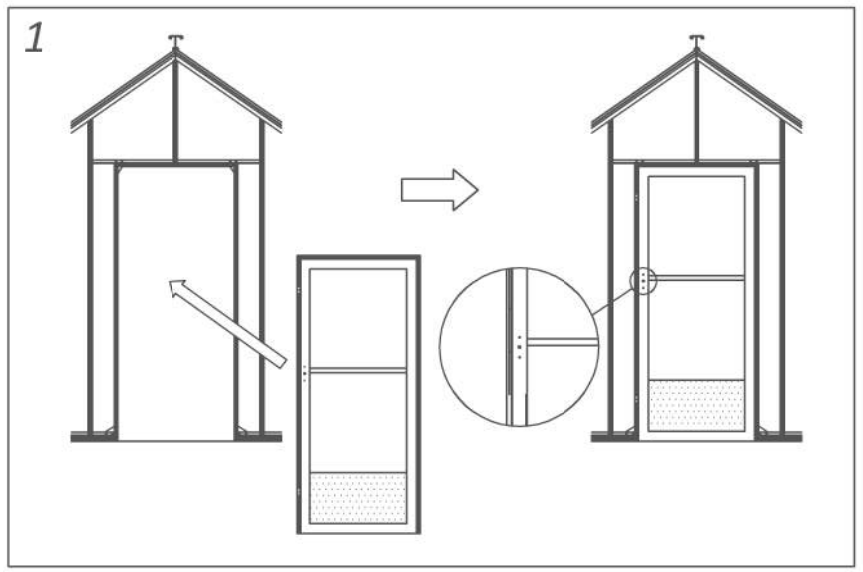


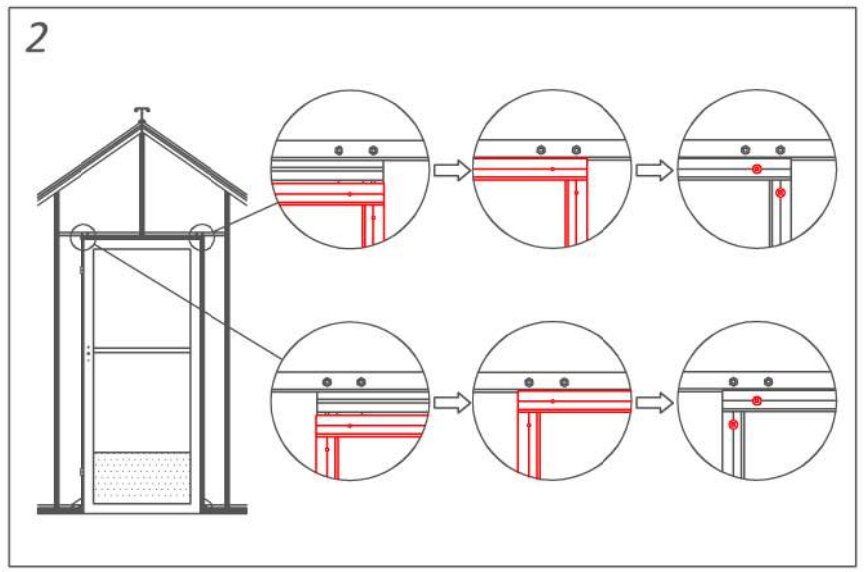
## STAGE 37: STORM DOOR - SINGLE (ALL GLAZING TYPES)

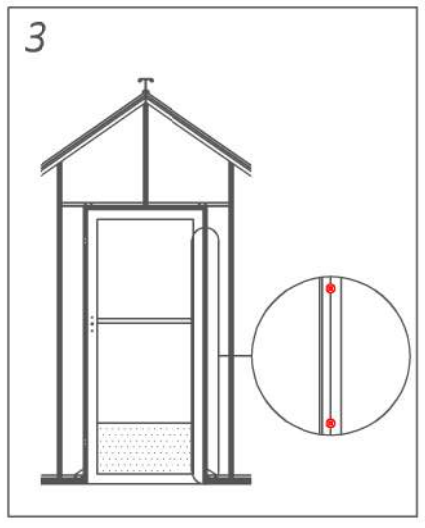
*STEPS:*

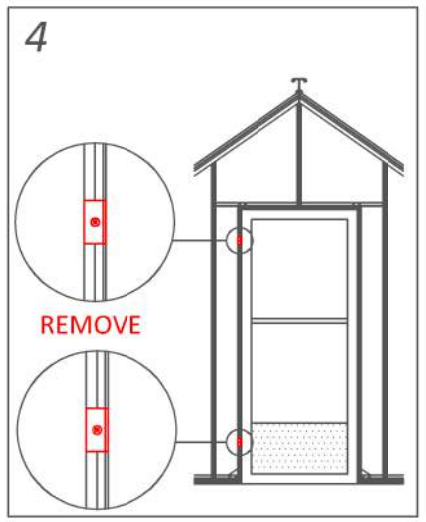
1. FIT THE STORM DOOR WITHIN THE DOOR FRAME.
2. RAISE THE DOOR AS HIGH AS IT WILL GO WITHIN THE DOOR FRAME & INSTALL THE UPPERMOST #10 x $\frac{1}{2}$" SCREWS IN THE TOP CORNERS.
3. INSTALL REMAINING SCREWS ON HINGE SIDE.
4. REMOVE PLASTIC CLIPS FROM THE NON-HINGE SIDE OF THE DOOR.
5. INSTALL #10 X $\frac{1}{2}$" SCREWS ON NON-HINGE SIDE OF THE DOOR.
6. INSTALL #10 X $\frac{1}{2}$" SCREWS ACROSS THE TOP OF THE DOOR.
7. CONNECT PLATE TO CLEAT WITH #8 X $\frac{1}{2}$" SELF TAPPING SCREWS.
8. ATTACH CLEAT ASSEMBLY TO DOOR FRAME WITH $\frac{1}{4}$" X $\frac{1}{2}$" BOLTS & NUTS.

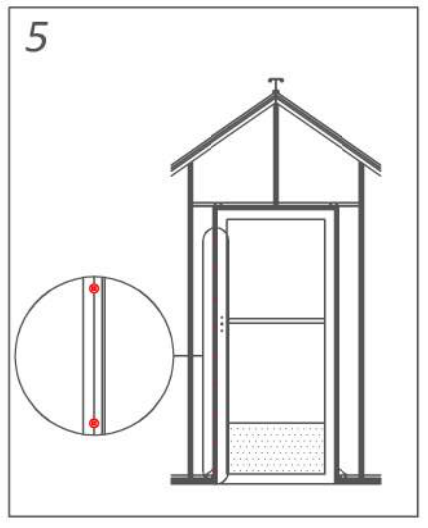
*INSTALL THE DOOR HANDLE AS PER THE MANUFACTURERS INSTRUCTIONS LOCATED IN THE BROWN CARDBOARD BOX CONTAINING THE HANDLE.*

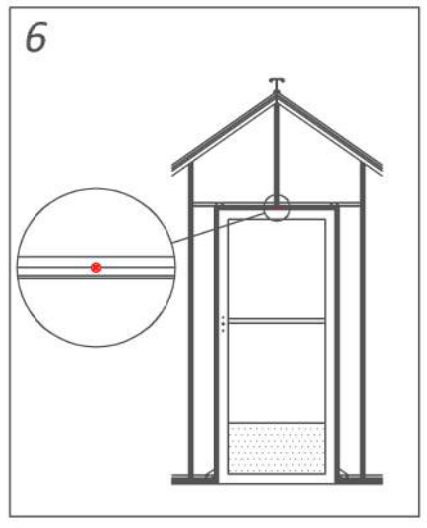


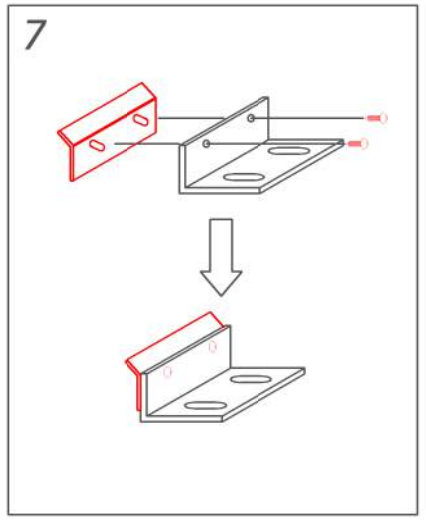



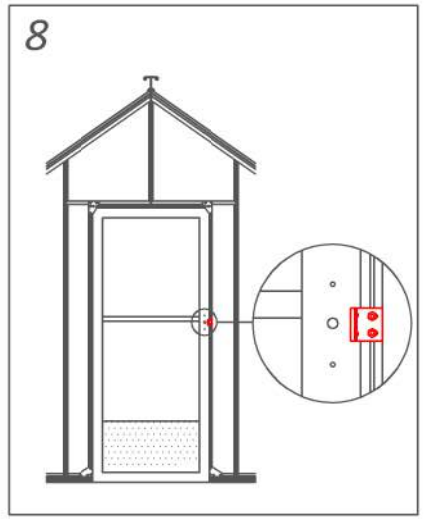



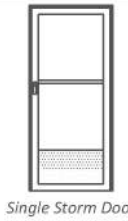




*Parts List:*


*Single Storm Door*


*#10 x $\frac{1}{2}$" S.S. Screws*

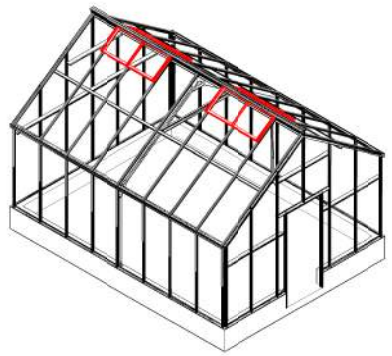

*$\frac{1}{4}$" x $\frac{1}{2}$" S.S. Bolt & Nut*


*#8 x $\frac{1}{2}$" Self-Tapping Screws*


*Cleat*


*Plate*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# ACCESSORIES: ROOF VENT INSTALLATION (ALL GLAZING TYPES)

*STEPS:*

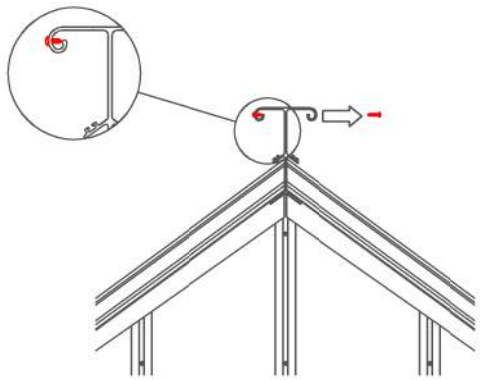
1. REMOVE PRE-INSTALLED SCREWS FROM RIDGE.
2. SLIDE ROOF VENT(S) DOWN THE LENGTH OF THE RIDGE & INTO POSITION ABOVE THE ROOF VENT SLIDERS.
3. REPLACE SCREWS REMOVED IN STEP 1.

ATTACH VENT OPENERS AS PER MANUFACTURERS INSTRUCTIONS.

## PRO TIPS

*Roof Vents must be slid in from the end of the Ridge in order for them to fit properly once installed.*

1



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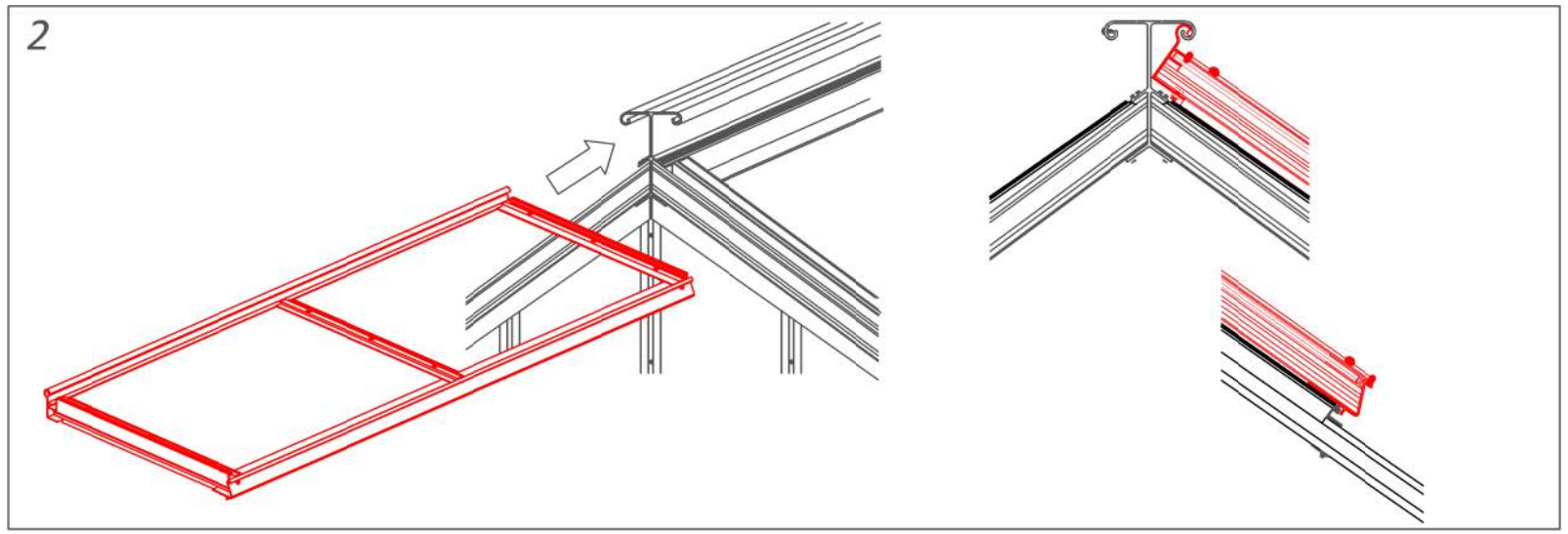

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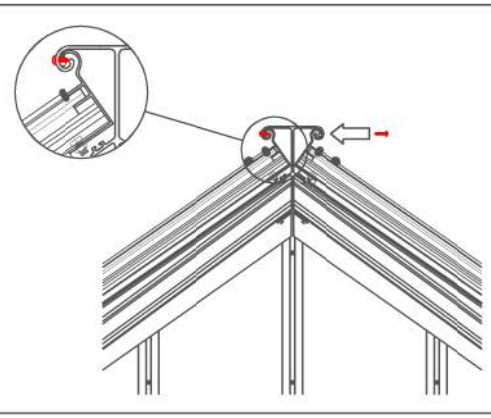
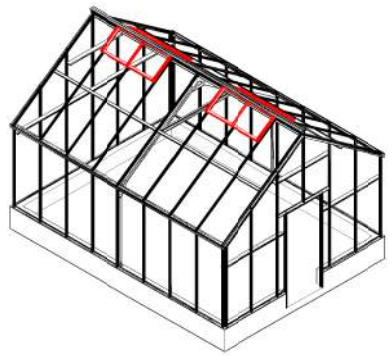


*Parts List:*

*Roof Vent(s) - Fully Assembled*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

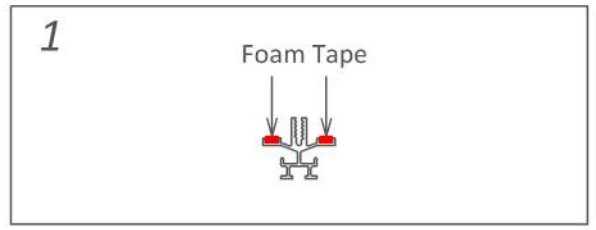


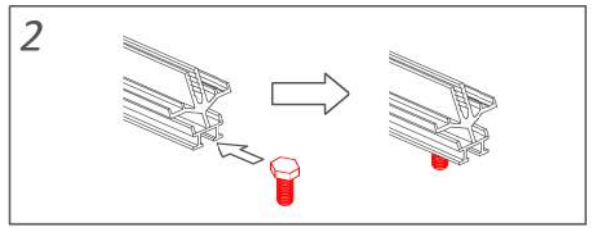
# *ACCESSORIES: ROOF VENT ASSEMBLY (6MM TWINWALL POLYCARBONATE)*

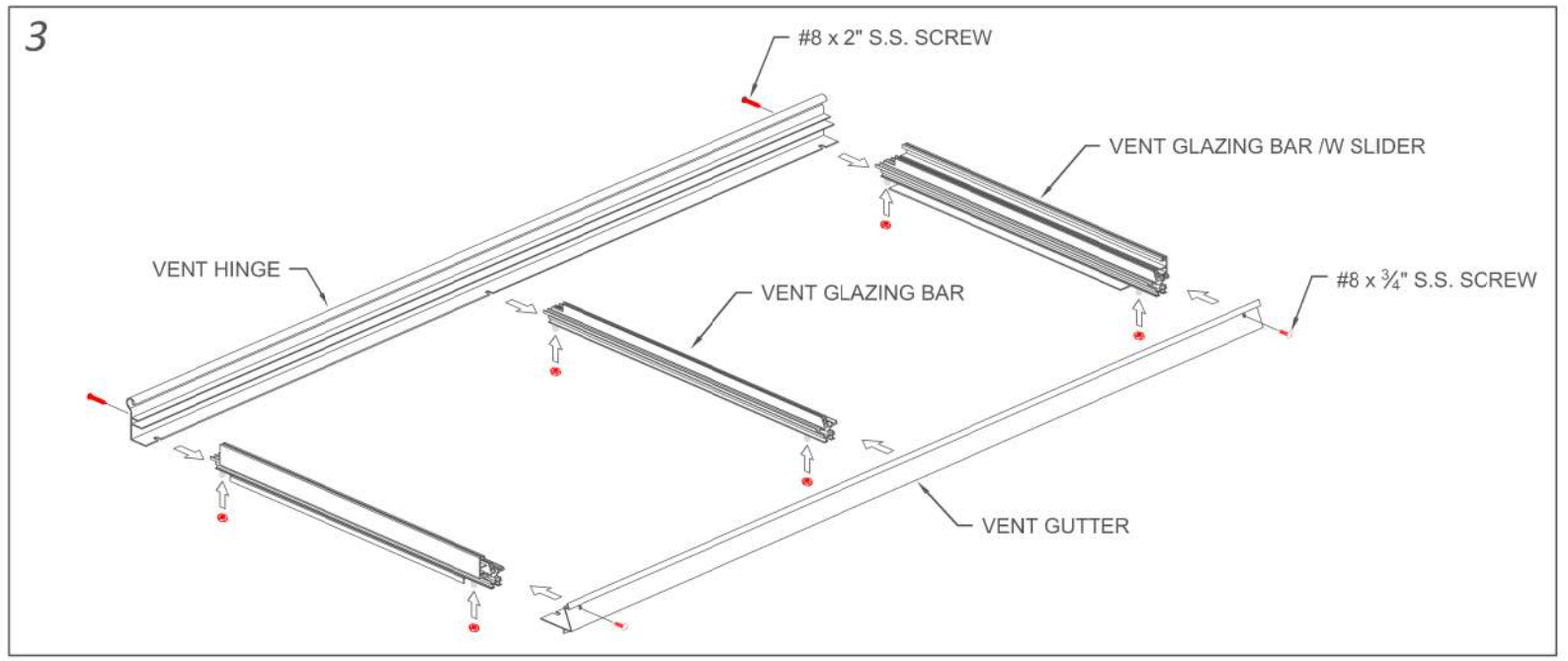
*STEPS:*

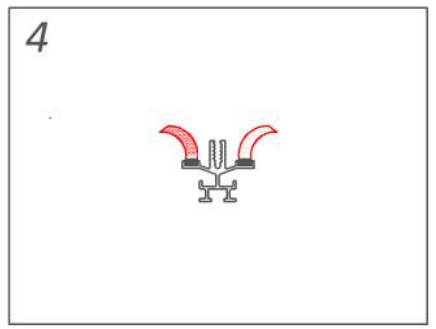
1. APPLY FOAM TAPE TO ALL GLAZING BARS.
2. INSERT (2) $\frac{1}{4}$" x $\frac{3}{8}$" BOLTS INTO EACH GLAZING BAR
3. SECURE GLAZING BARS TO VENT HINGE & VENT GUTTER.
4. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE GLAZING BARS .
5. MARK ONE OUTSIDE CORNER OF THE POLYCARBONATE PANELS WITH A FELT PEN.
6. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL

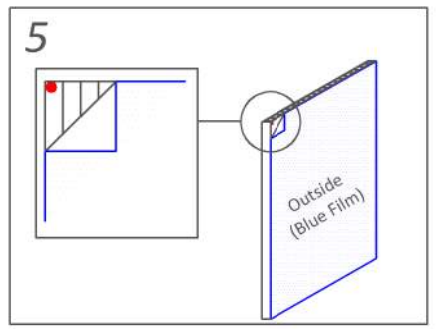
CONTINUE ON NEXT PAGE

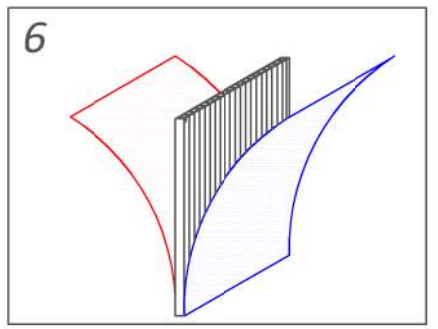


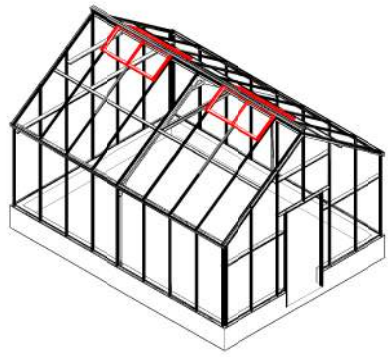




## *Parts List:*

*Note: Do NOT Remove the sliders from glazing bar

*Glazing Bars & Sliders* | *Vent Gutter* | *Glazing Bar* | *Glazing Cap* | *Vent Hinge* | *h-Channels* | *¼" x ⅜" Bolt & Nut* | *#8 x 2" S.S. Screws* | *#8 x ¾" S.S. Screws* | *#8 x ¾" S.S. Screws* | *#10 x ½" S.S. Screws* | *Silicone* | *Foam Tape*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

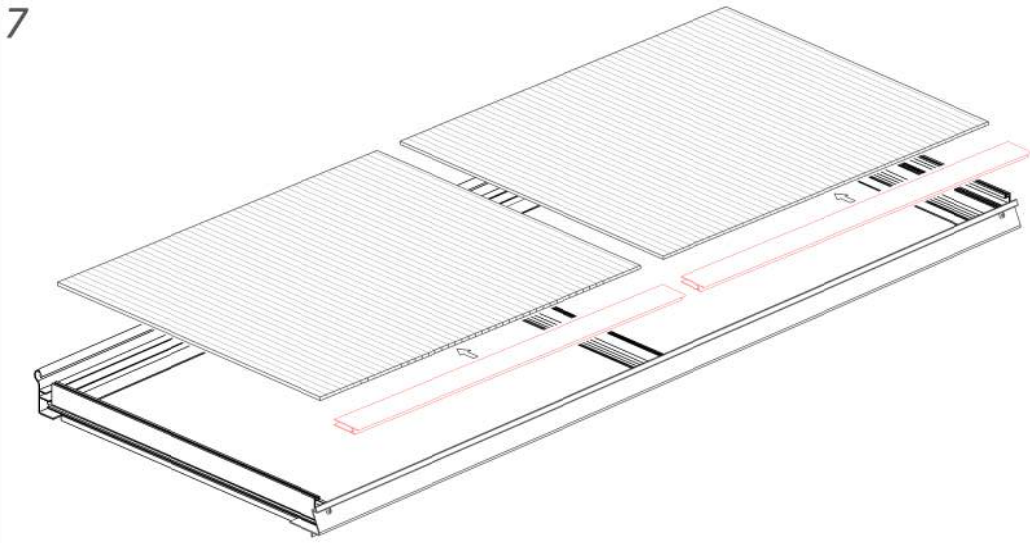


# ACCESSORIES: ROOF VENT (6MM TWINWALL POLYCARBONATE

*STEPS:*

7. PLACE AN H-CHANNEL ONTO THE BOTTOM END OF EACH POLYCARBONATE PANEL.
8. INSERT THE POLYCARBONATE PANEL INTO THE VENT HINGE AND PRESS THE H-CHANNEL INTO THE VENT GUTTER.
9. SECURE THE GLAZING CAPS TO THE GLAZING BARS.
10. SEAL THE ROOF VENT WITH SILICONE.

7



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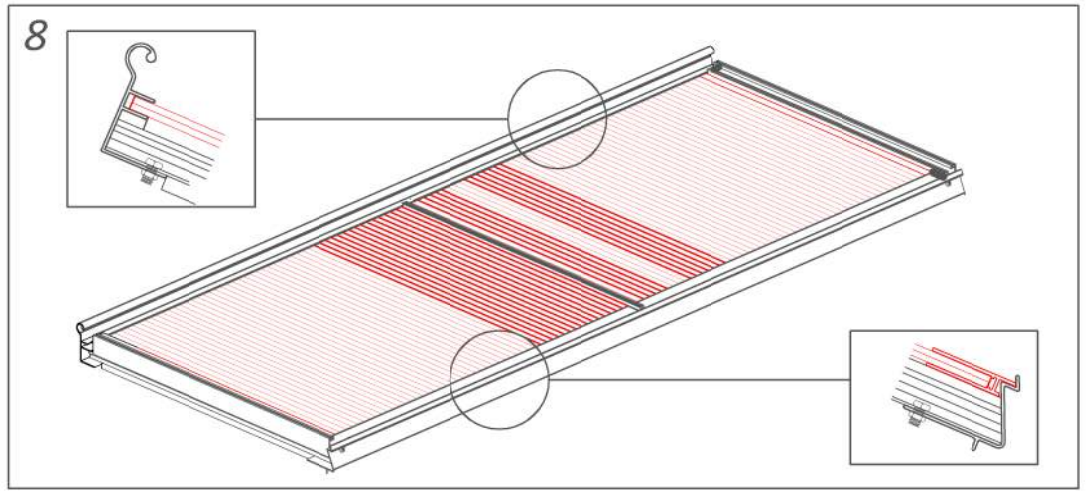
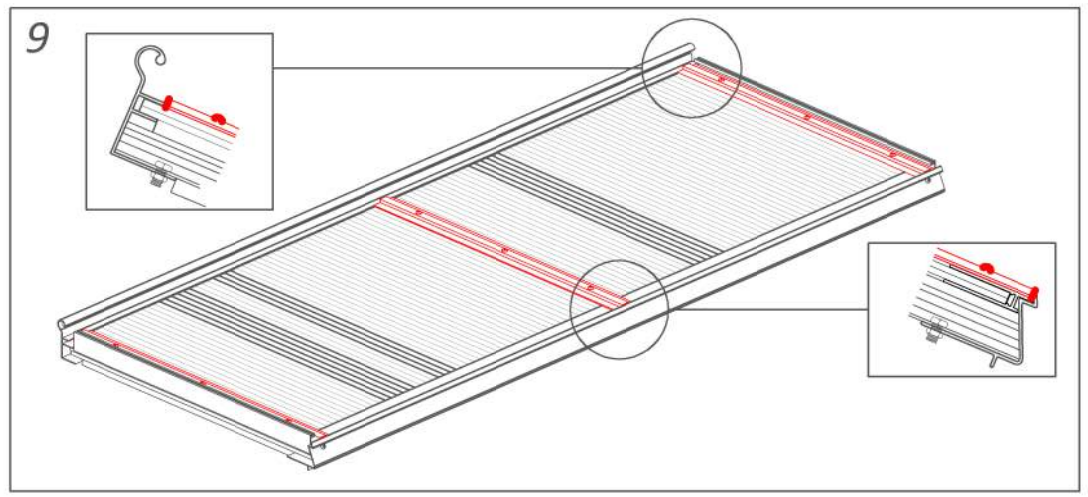


9



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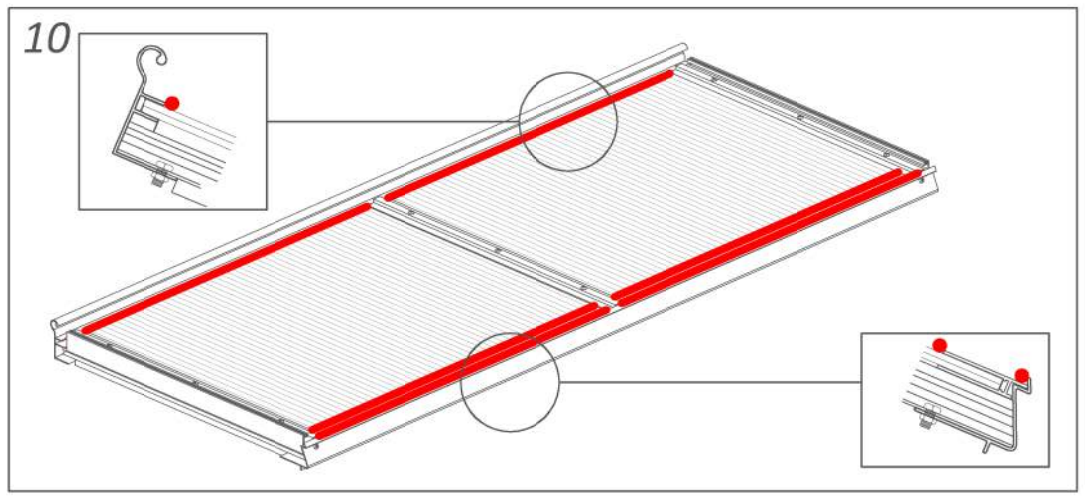
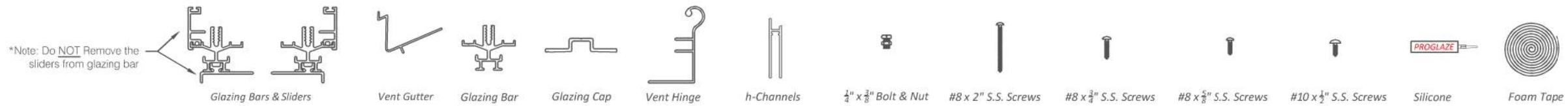
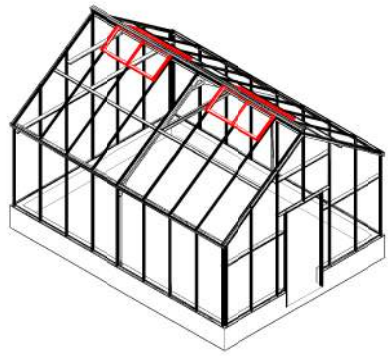


## Parts List:




CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# ACCESSORIES: ROOF VENT ASSEMBLY (16MM 5WALL POLYCARBONATE

*STEPS:*

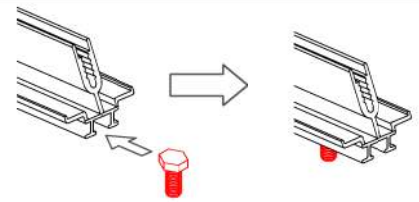
REFER TO STAGE 19 FOR FOIL TAPE APPLICATION

1. APPLY FOAM TAPE TO ALL GLAZING BARS.
2. INSERT (2) $\frac{1}{4}$" x $\frac{3}{8}$" BOLTS INTO EACH GLAZING BAR
3. SECURE GLAZING BARS TO VENT HINGE & VENT GUTTER.
4. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE ROOFL GLAZING BARS .
5. PEEL THE FILM OFF BOTH SIDES OF THE POLYCARBONATE PANEL
6. ATTACH H-CHANNELS & SETTING BLOCKS.

CONTINUE ON NEXT PAGE

1


2



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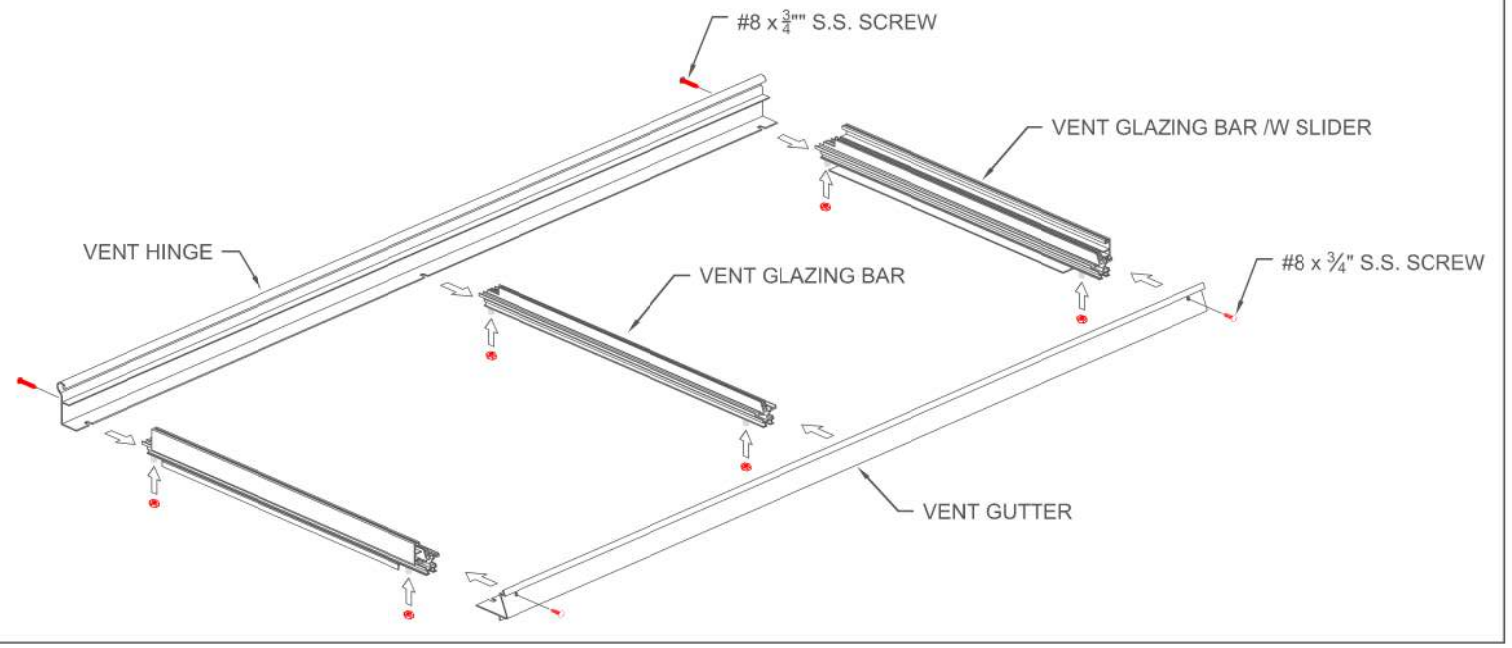


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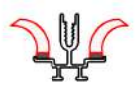

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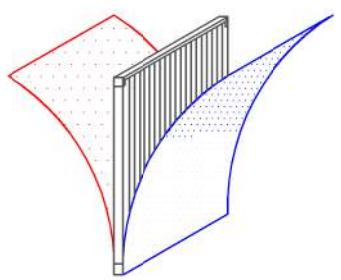

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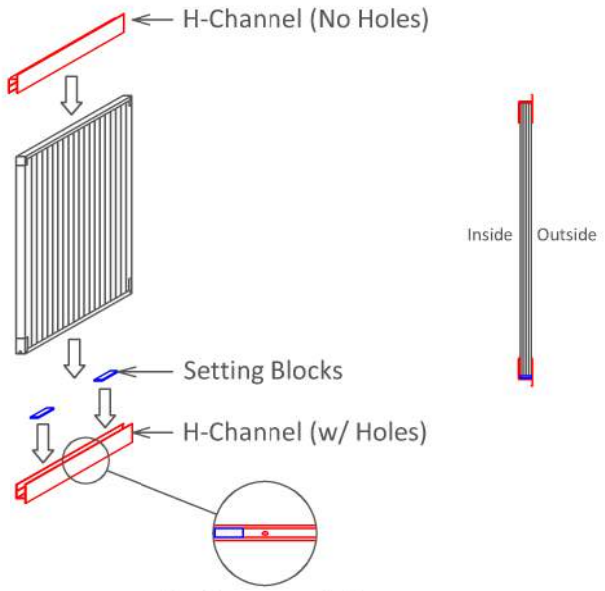
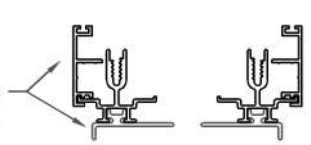



## Parts List:

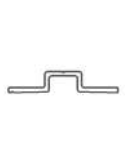
*Note: Do NOT Remove the sliders from glazing bar



*Glazing Bars & Sliders*

*Vent Gutter*

*Glazing Bar*



*Glazing Cap*

*Vent Hinge*

*h-Channels*



*Setting Block*



*¼" x ⅜" Bolt & Nut*



*#8 x ¾" S.S. Screws*

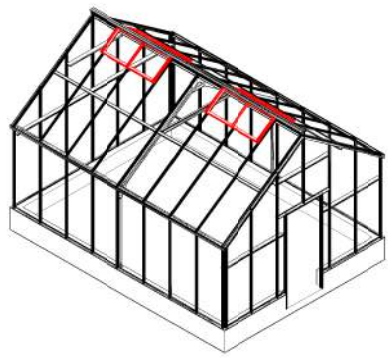


*#10 x ½" S.S. Screws*


*Silicone*

*Foam Tape*

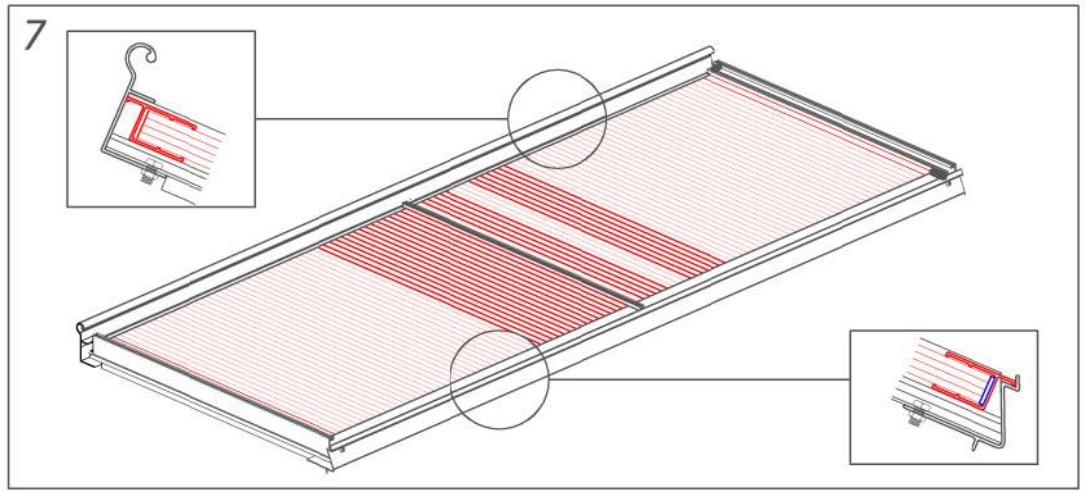
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

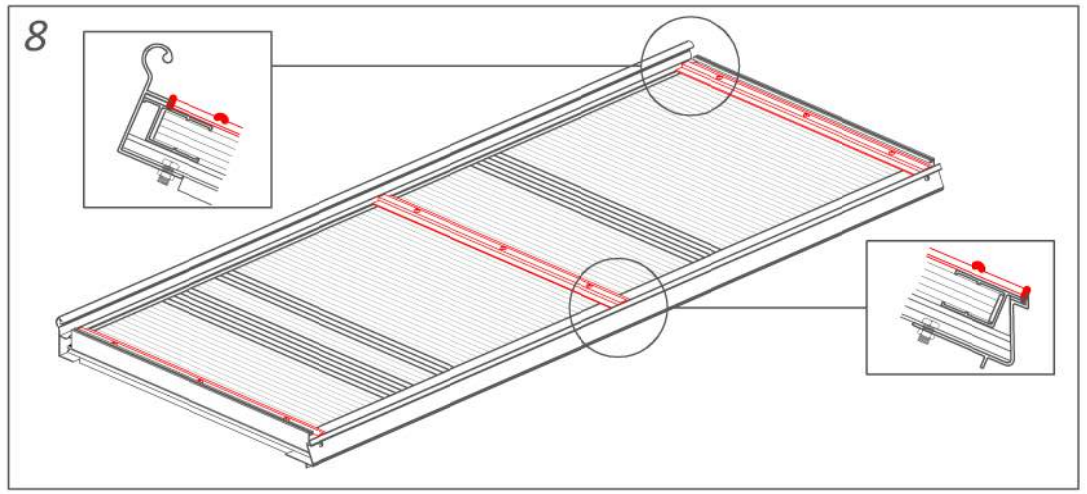


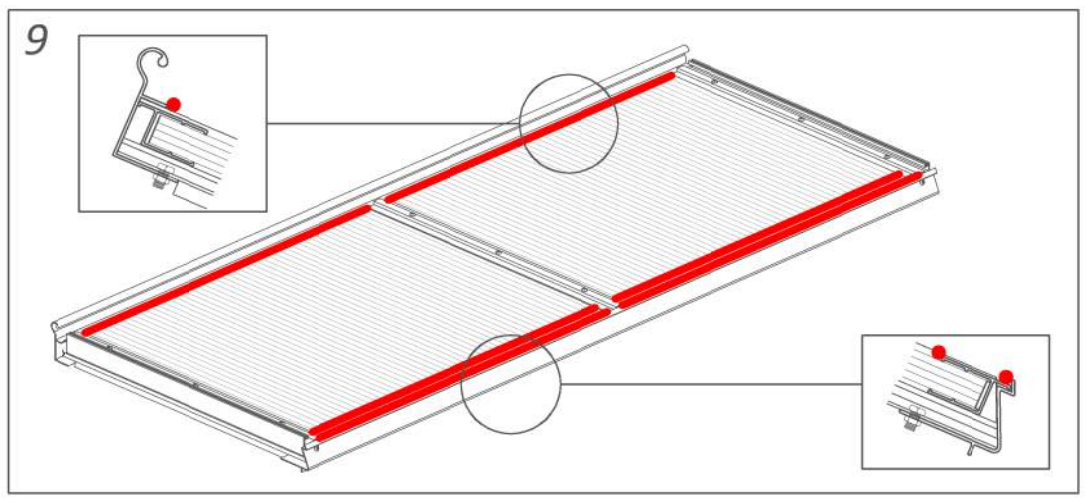
# ACCESSORIES: ROOF VENT ASSEMBLY (16MM 5WALL POLYCARBONATE)

*STEPS:*

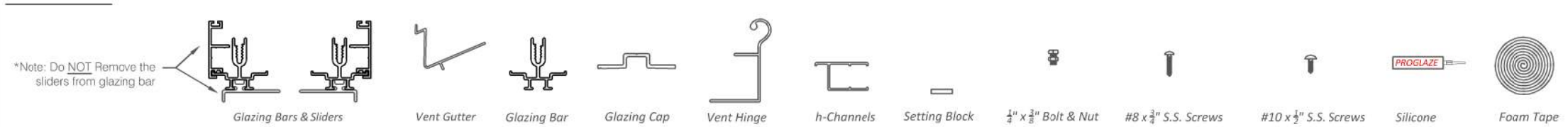
7. INSERT THE POLYCARBONATE PANEL INTO THE VENT HINGE AND PRESS THE H-CHANNEL INTO THE VENT GUTTER.
8. SECURE THE GLAZING CAPS TO THE GLAZING BARS.
9. SEAL THE ROOF VENT WITH SILICONE.



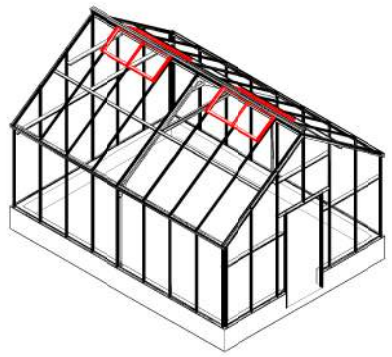




## Parts List:




CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# *ACCESSORIES: ROOF VENT ASSEMBLY (3MM SINGLE GLASS)*

*STEPS:*

1. APPLY FOAM TAPE TO ALL GLAZING BARS.
2. INSERT (2) $\frac{1}{4}$" x $\frac{3}{8}$" BOLTS INTO EACH GLAZING BAR
3. SECURE GLAZING BARS TO VENT HINGE & VENT GUTTER.
4. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE GLAZING BARS .

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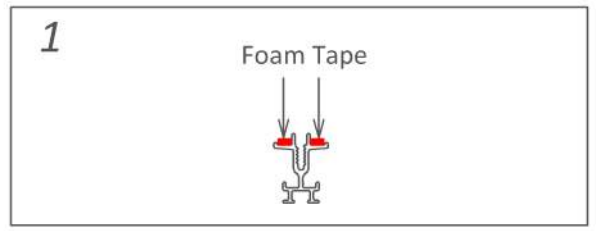
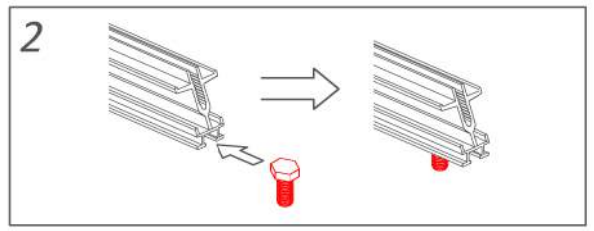
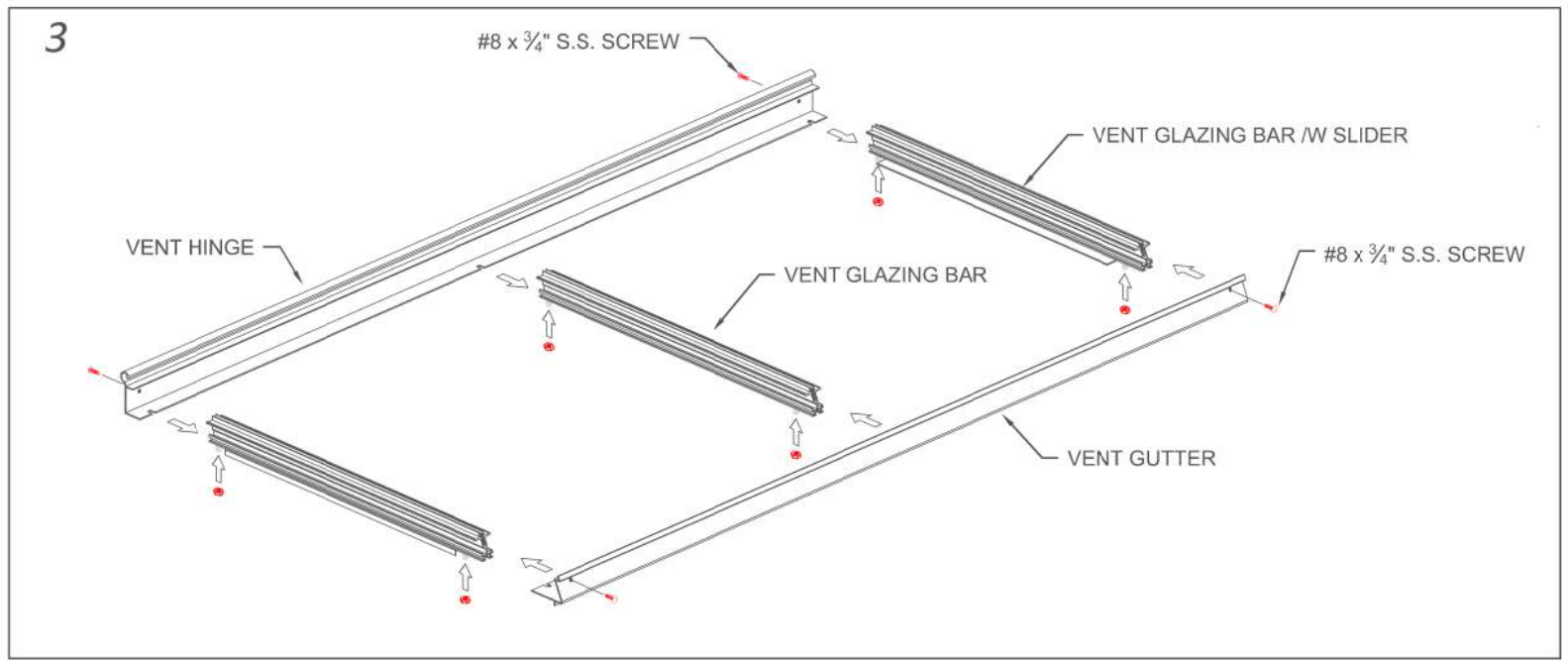
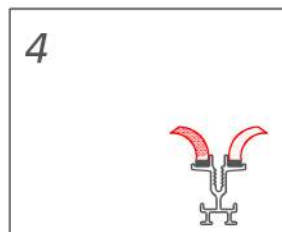


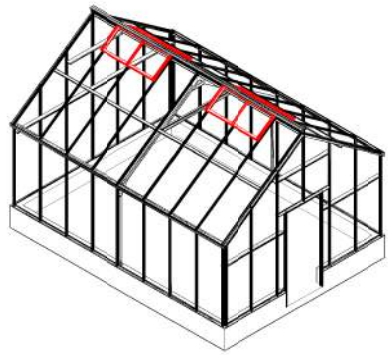




## *Parts List:*

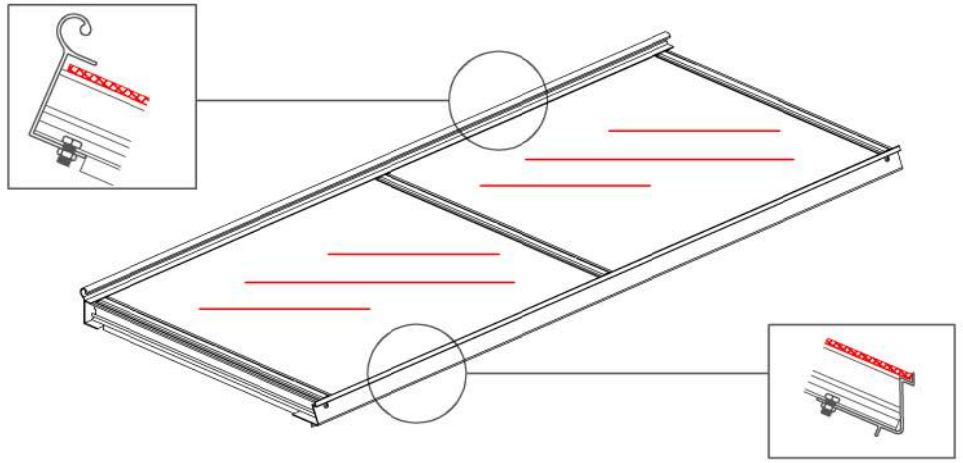

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# ACCESSORIES: ROOF VENT ASSEMBLY (3MM SINGLE GLASS)

STEPS:
5. INSERT THE GLASS PANEL INTO THE VENT HINGE & GUTTER.
6. SECURE THE GLAZING CAPS TO THE GLAZING BARS.
7. SEAL THE ROOF VENT WITH SILICONE.

5



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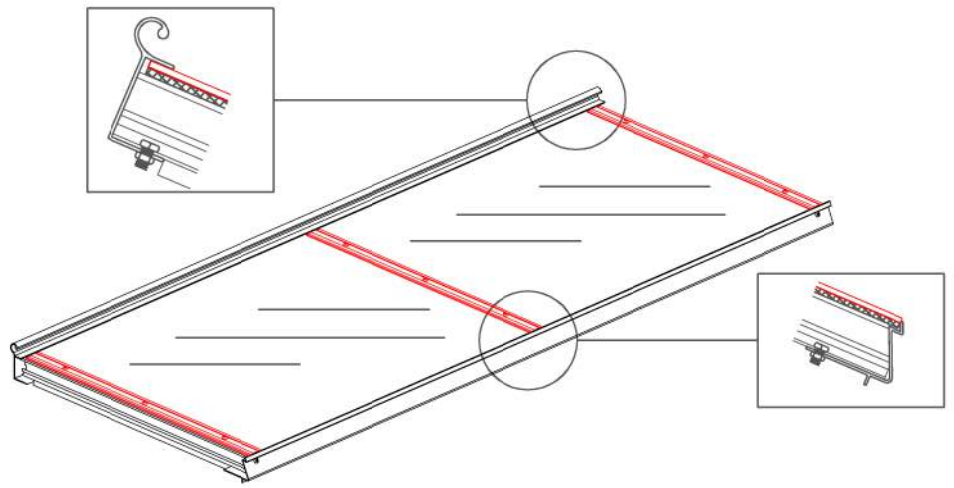

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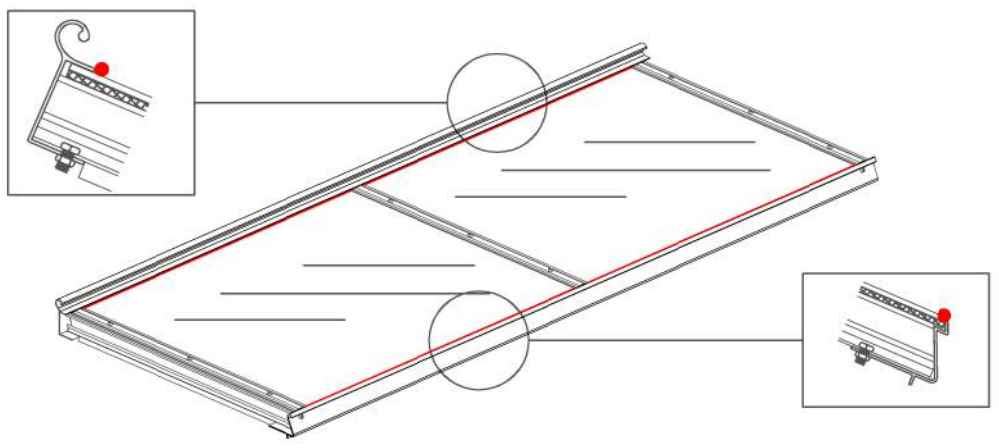
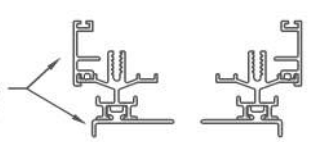


## Parts List:

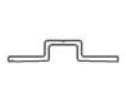
*Note: Do NOT Remove the sliders from glazing bar



Glazing Bars & Sliders

Vent Gutter

Glazing Bar



Glazing Cap

Vent Hinge

h-Channels



$\frac{1}{4}$" x $\frac{3}{8}$" Bolt & Nut



#8 x 2" S.S. Screws



#8 x $\frac{3}{4}$" S.S. Screws



#8 x $\frac{5}{8}$" S.S. Screws

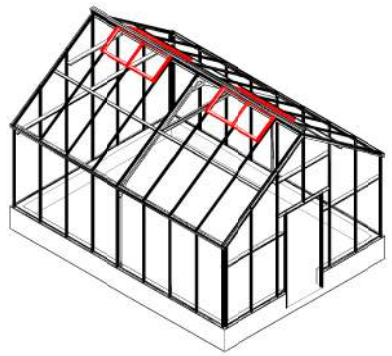


#10 x $\frac{1}{2}$" S.S. Screws


Silicone

Foam Tape

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# ACCESSORIES: ROOF VENT ASSEMBLY (6MM SINGLE GLASS)

*STEPS:*

1. APPLY FOAM TAPE TO ALL GLAZING BARS.
2. INSERT (2) $\frac{1}{4}$" x $\frac{3}{8}$" BOLTS INTO EACH GLAZING BAR
3. SECURE GLAZING BARS TO VENT HINGE & VENT GUTTER.
4. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE GLAZING BARS .

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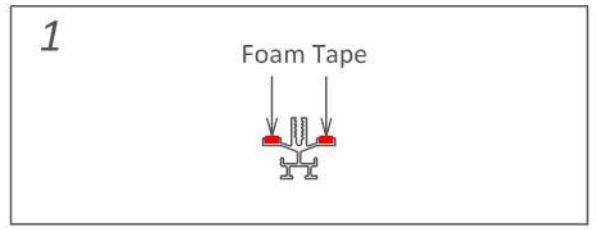
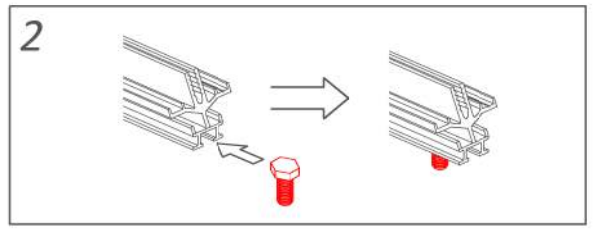
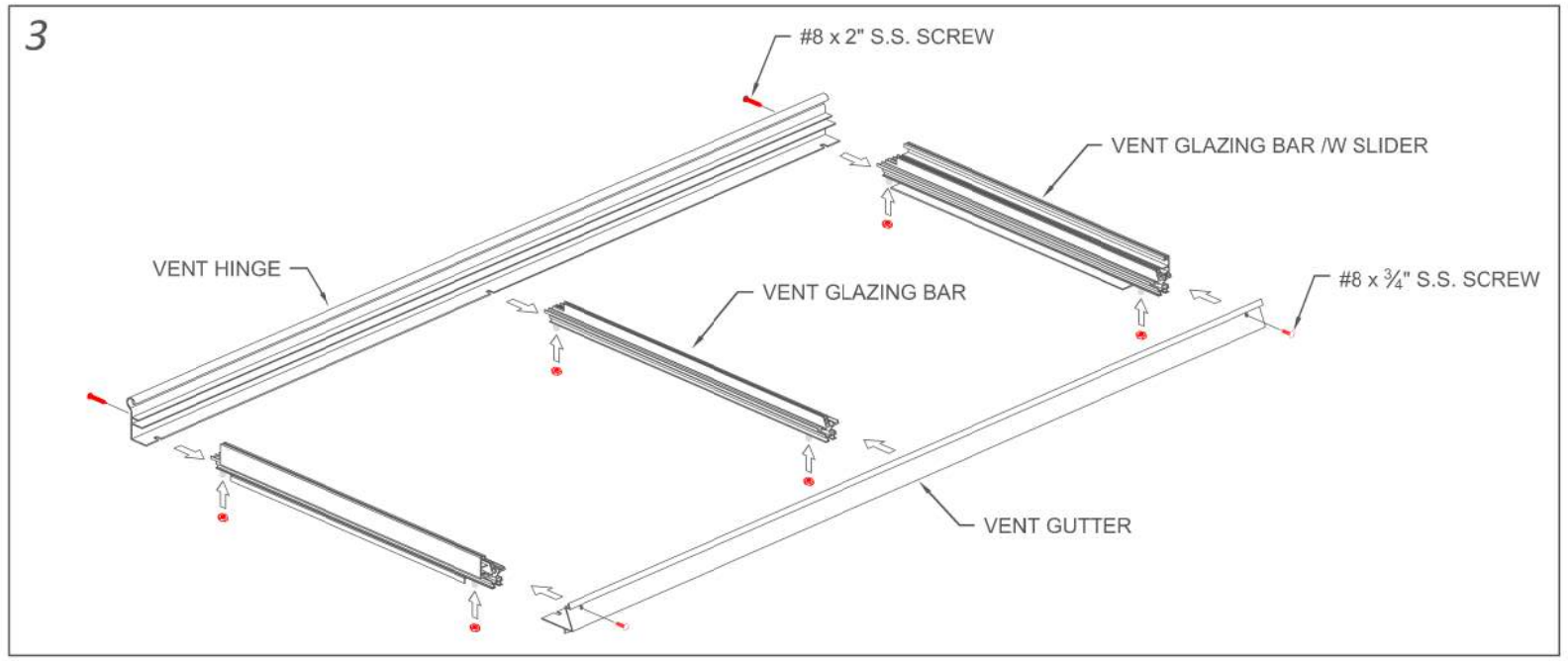
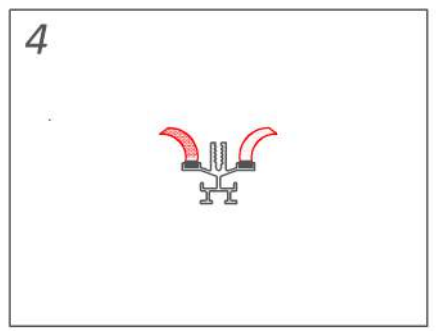
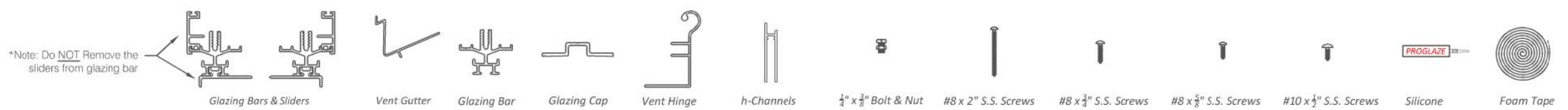


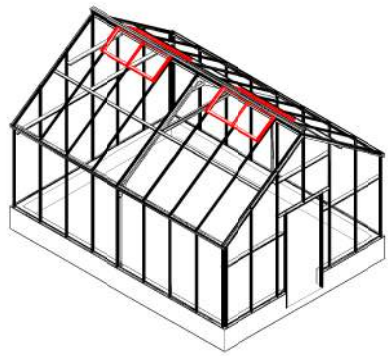




## Parts List:




CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

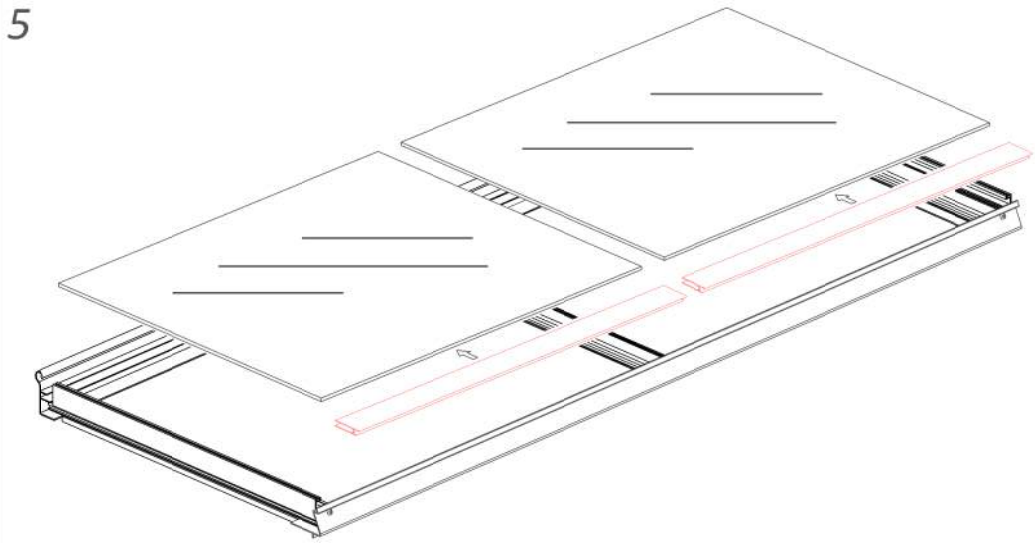


# ACCESSORIES: ROOF VENT ASSEMBLY (6MM SINGLE GLASS)

*STEPS:*

5. PLACE AN H-CHANNEL ONTO THE BOTTOM END OF EACH GLASS PANEL.
6. INSERT THE GLASS PANEL INTO THE VENT HINGE AND PRESS THE H-CHANNEL INTO THE VENT GUTTER.
7. SECURE THE GLAZING CAPS TO THE GLAZING BARS.
8. SEAL THE ROOF VENT WITH SILICONE.

5



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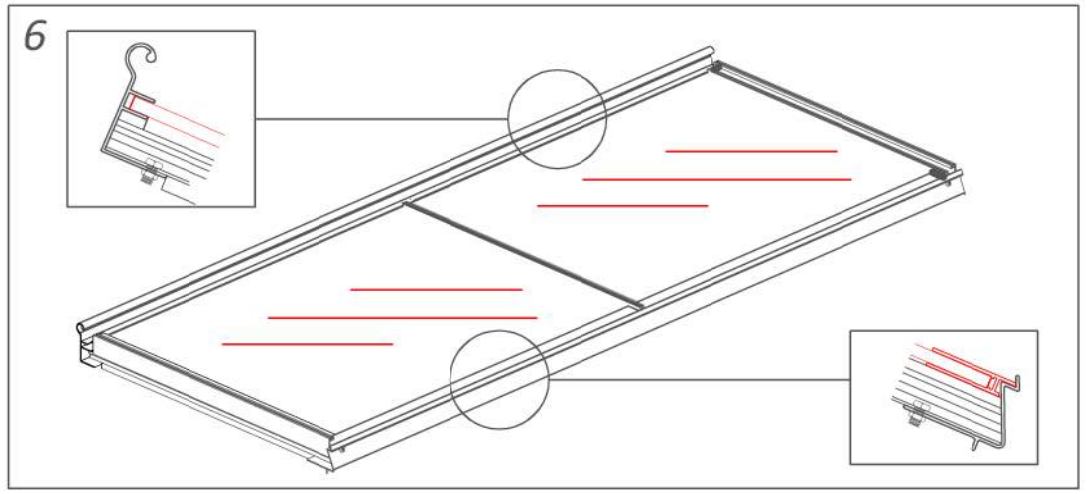

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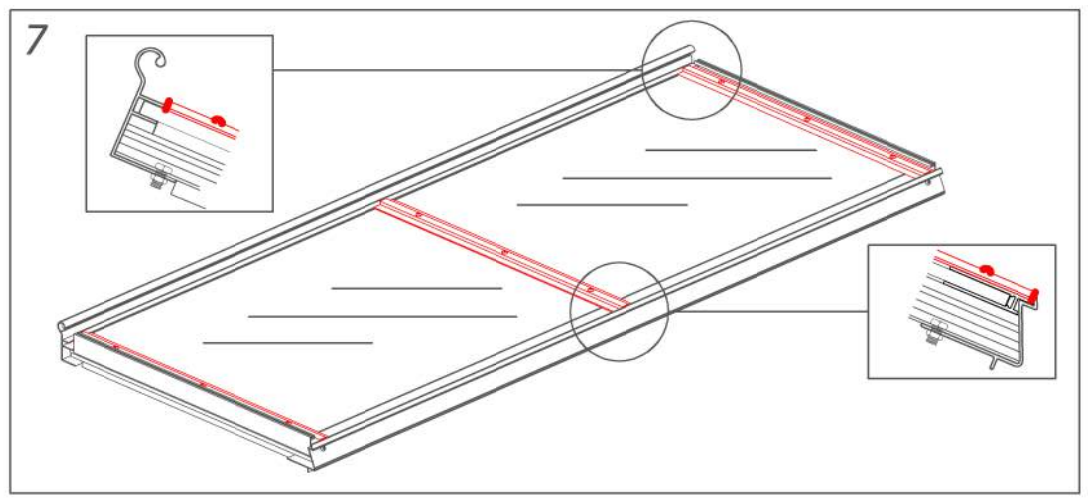

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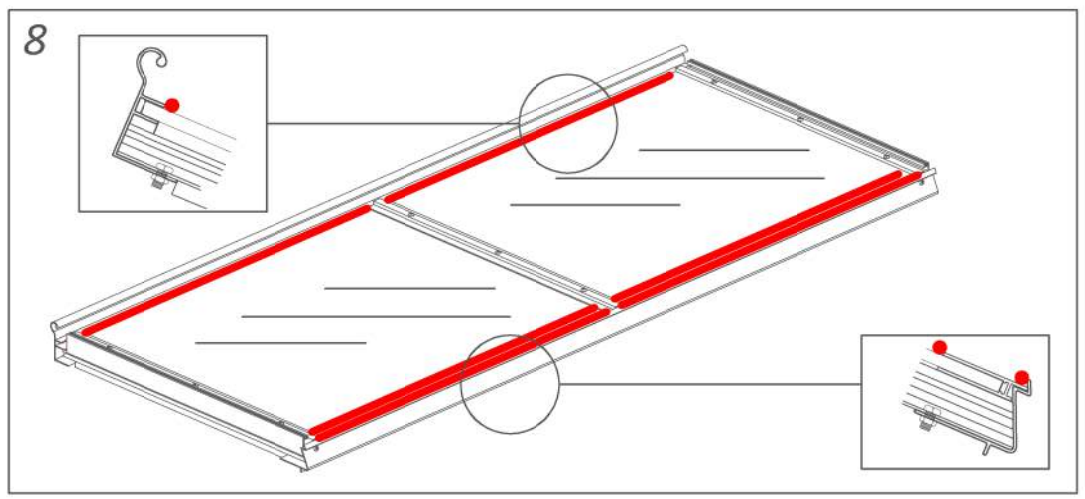
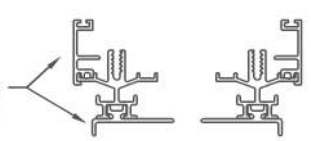


## Parts List:

*Note: Do NOT Remove the sliders from glazing bar



Glazing Bars & Sliders

Vent Gutter

Glazing Bar

Glazing Cap

Vent Hinge

h-Channels



$\frac{1}{4}$" x $\frac{3}{8}$" Bolt & Nut



#8 x 2" S.S. Screws



#8 x $\frac{3}{4}$" S.S. Screws



#8 x $\frac{5}{8}$" S.S. Screws

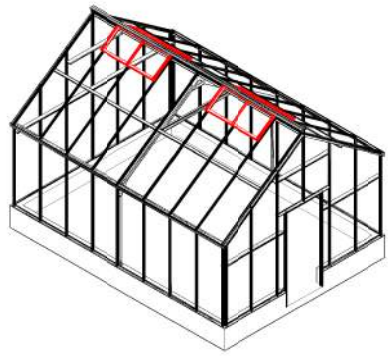


#10 x $\frac{1}{2}$" S.S. Screws


Silicone

Foam Tape

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# *ACCESSORIES: ROOF VENT ASSEMBLY (16MM DOUBLE GLASS)*

*STEPS:*

REFER TO STAGE 19 FOR FOIL TAPE APPLICATION

1. APPLY FOAM TAPE TO ALL GLAZING BARS.
2. INSERT (2) $\frac{1}{4}$" x $\frac{3}{8}$" BOLTS INTO EACH GLAZING BAR
3. SECURE GLAZING BARS TO VENT HINGE & VENT GUTTER.
4. PEEL THE BROWN PAPER FROM THE FOAM TAPE ON THE ROOFL GLAZING BARS .
5. ATTACH H-CHANNELS & SETTING BLOCKS.

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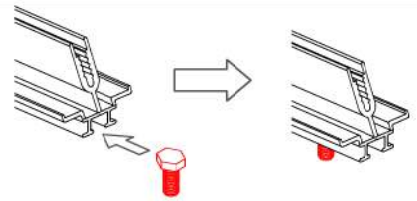

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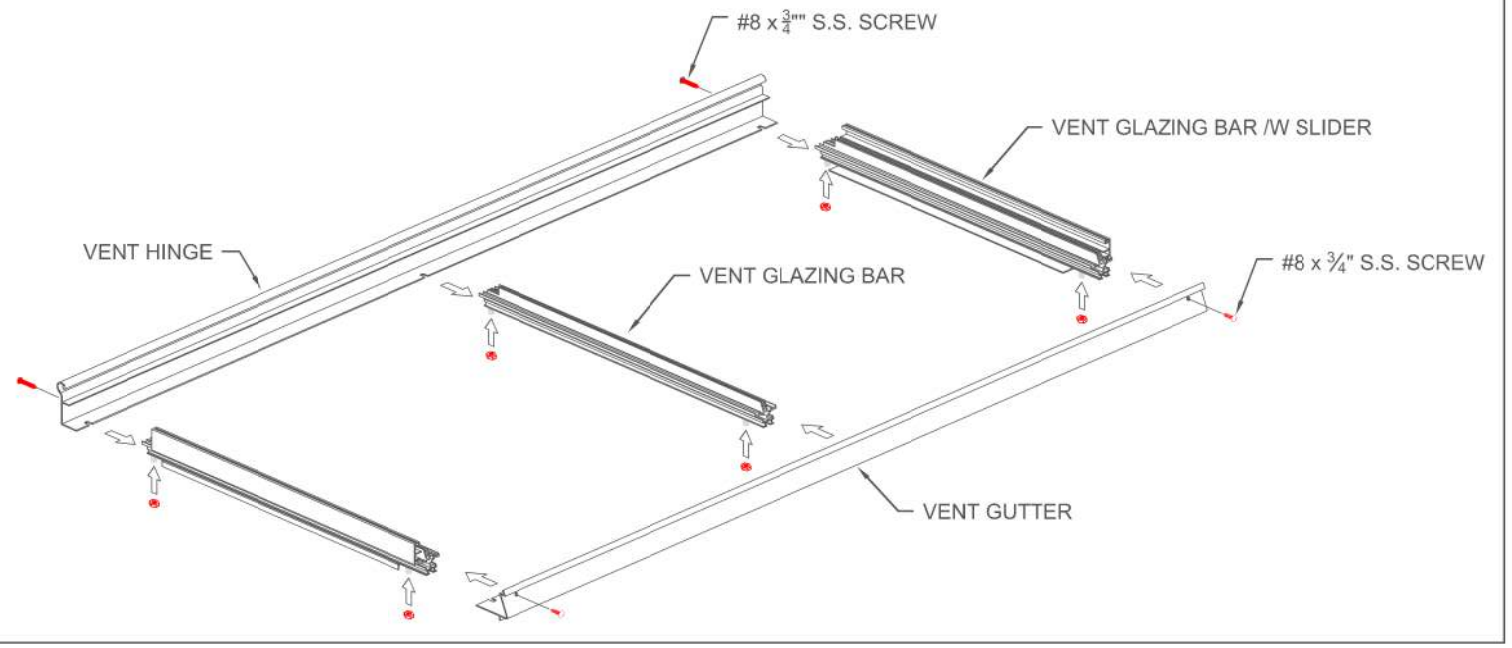


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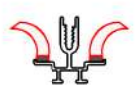

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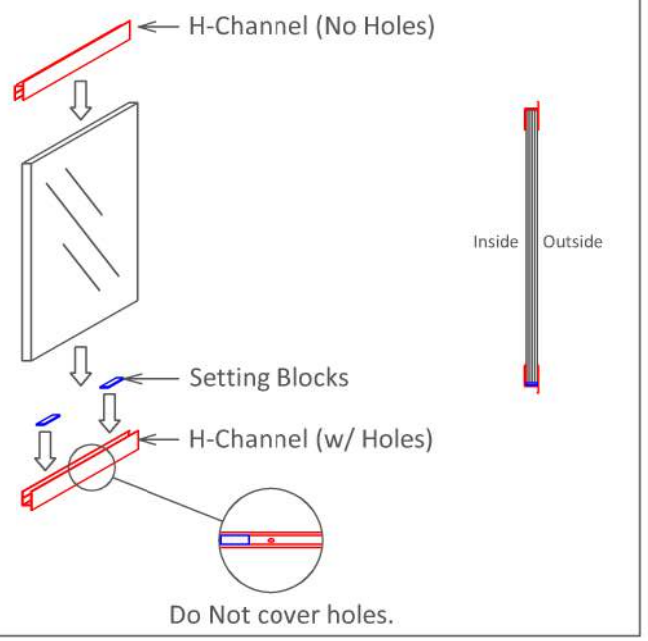
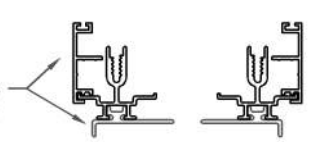



## *Parts List:*

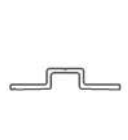
*Note: Do NOT Remove the sliders from glazing bar



*Glazing Bars & Sliders*

*Vent Gutter*

*Glazing Bar*



*Glazing Cap*

*Vent Hinge*

*h-Channels*



*Setting Block*



*¼" x ⅜" Bolt & Nut*



*#8 x ¾" S.S. Screws*

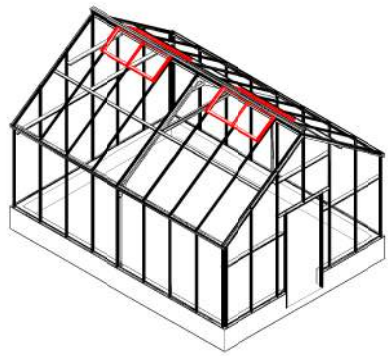


*#10 x ½" S.S. Screws*


*Silicone*

*Foam Tape*

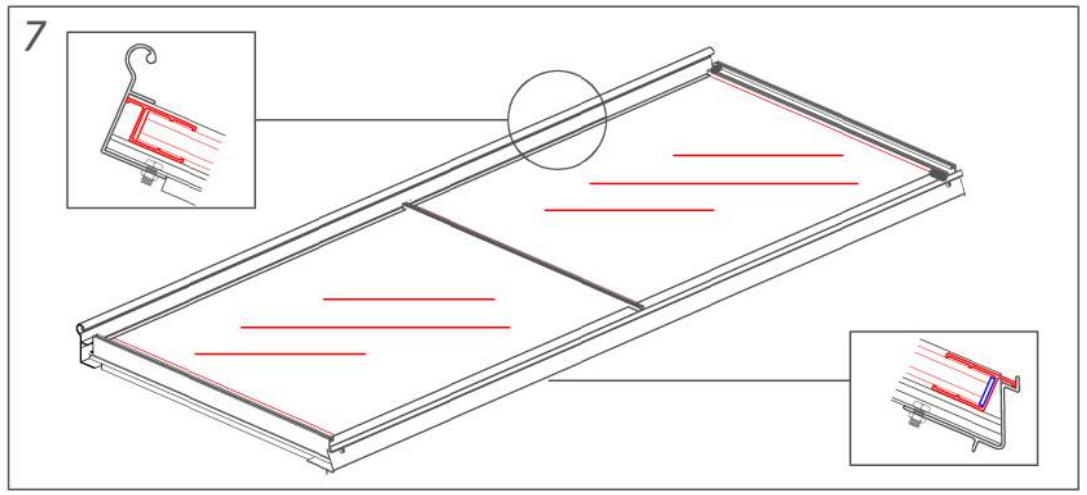
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

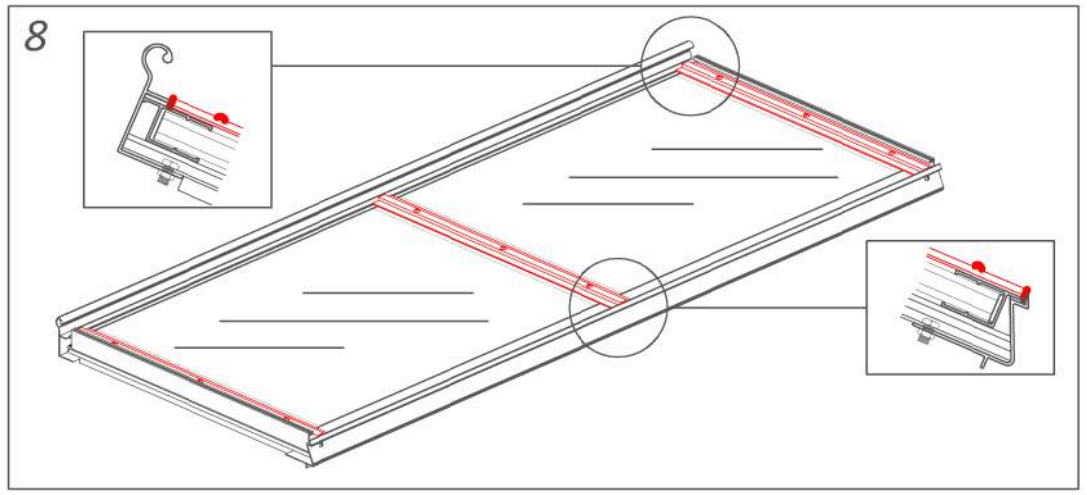


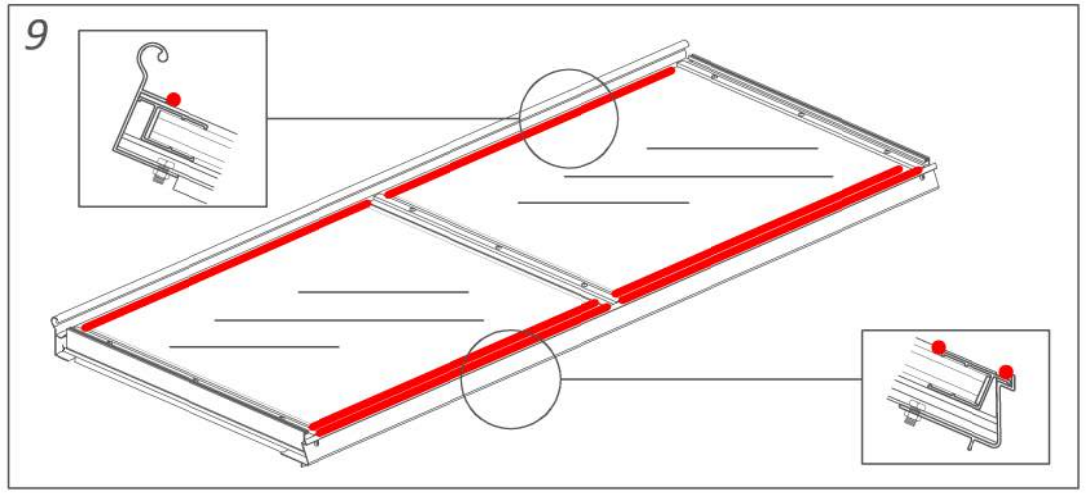
## ACCESSORIES: ROOF VENT ASSEMBLY (16MM DOUBLE GLASS)

STEPS:

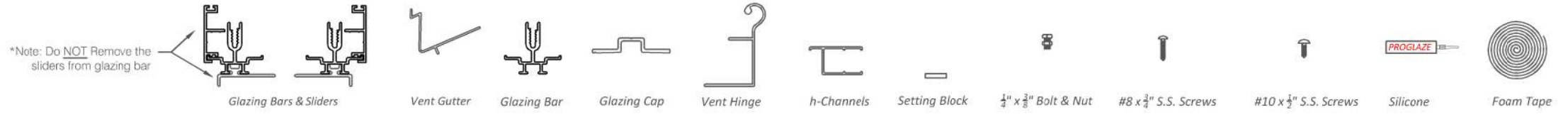
7. INSERT THE GLASS PANEL INTO THE VENT HINGE AND PRESS THE H-CHANNEL INTO THE VENT GUTTER.
8. SECURE THE GLAZING CAPS TO THE GLAZING BARS.
9. SEAL THE ROOF VENT WITH SILICONE.



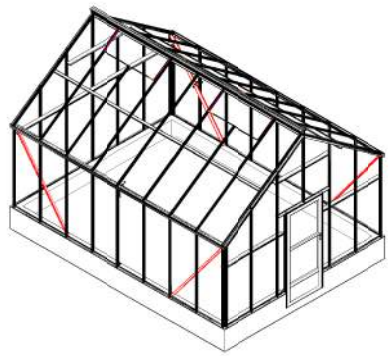




## Parts List:




CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



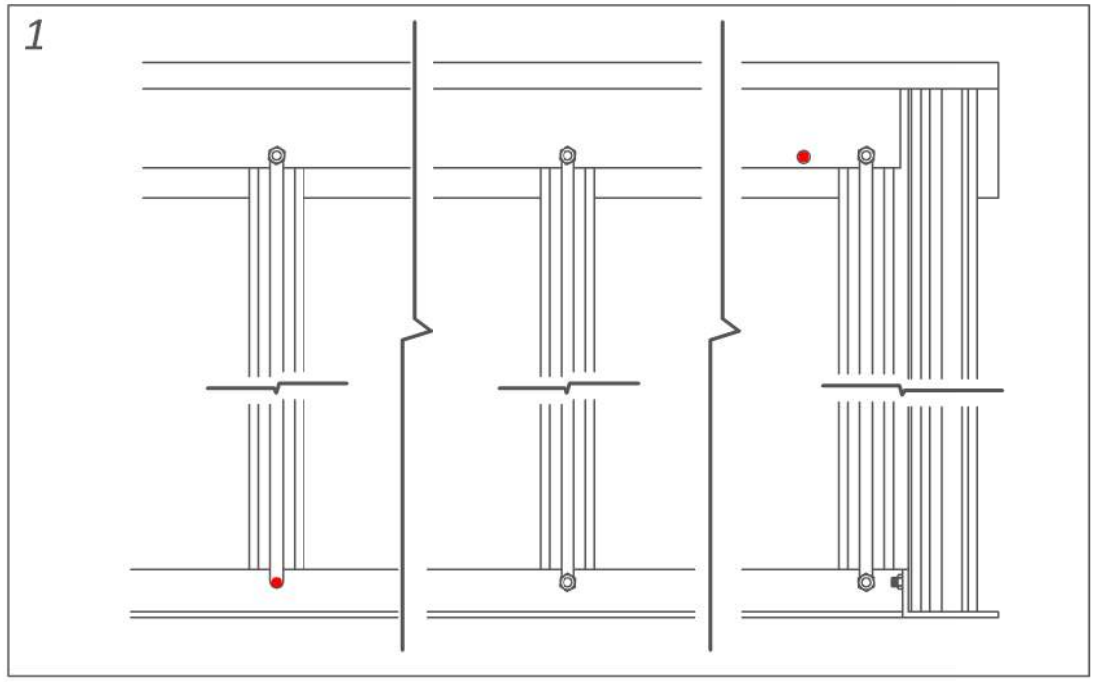
# ACCESSORIES: SIDE DIAGONAL BRACES (ALL GLAZING TYPES - COMMERCIAL)

*STEPS:*

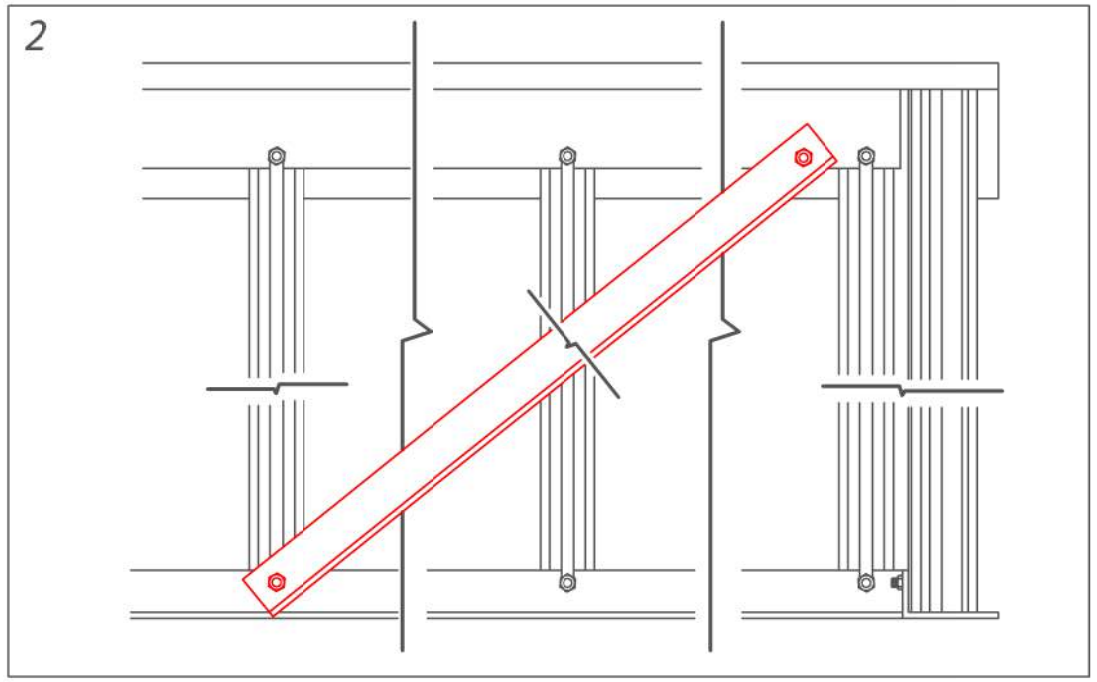
1. REPLACE THE EXISTING $\frac{1}{4}$" X $\frac{1}{2}$" BOLT IN THE BASE AND REPLACE WITH $\frac{1}{4}$" X $\frac{3}{4}$" BOLT. INSERT A $\frac{1}{4}$" X $\frac{3}{4}$" BOLT IN THE PRE-DRILLED GUTTER HOLE.
2. ATTACH DIAGONAL BRACE TO GUTTER & BASE AND SECURE WITH $\frac{1}{4}$" NUTS.

REPEAT FOR REMAINING DIAGONAL BRACES

1



2



## PRO TIPS

*Refer to the job specific drawings to determine Location and Length of your Diagonal Braces (if any).*

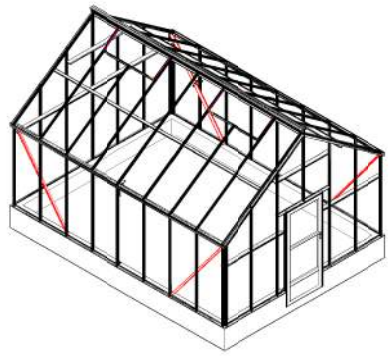
## Parts List:

Diagonal Brace (1"x 2" Angle)

$\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolt & Nut

Diagonal Brace(s)

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



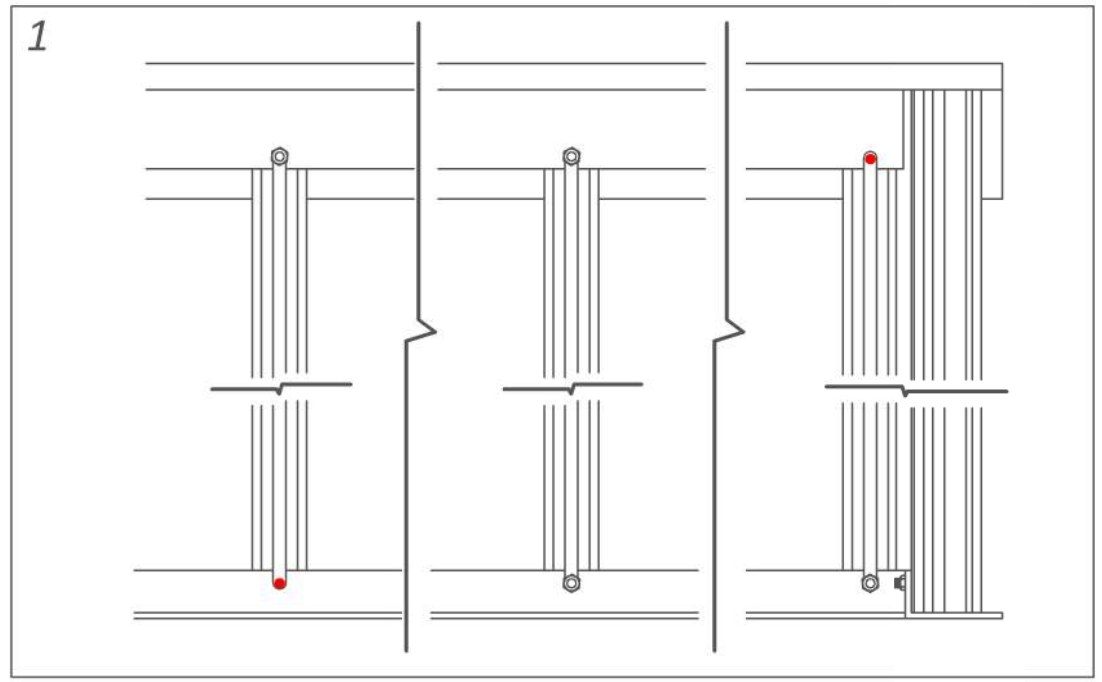
# ACCESSORIES: SIDE DIAGONAL BRACES (ALL GLAZING TYPES - STANDARD)

*STEPS:*

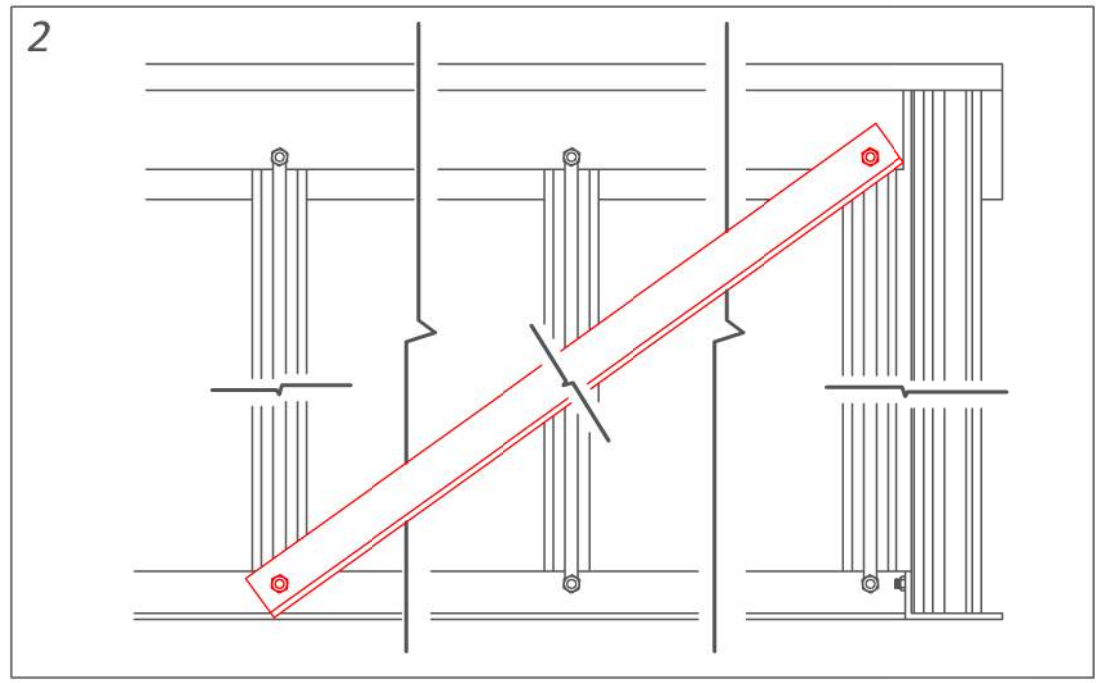
1. REMOVE THE EXISTING $\frac{1}{4}$" X $\frac{1}{2}$" BOLTS IN THE BASE & GUTTER AND REPLACE WITH $\frac{1}{4}$" X $\frac{3}{4}$" BOLTS.
2. ATTACH DIAGONAL BRACE TO THE BASE & GUTTER AND SECURE WITH $\frac{1}{4}$" NUTS.

REPEAT FOR REMAINING DIAGONAL BRACES

1



2



## PRO TIPS

*Refer to the job specific drawings to determine Location and Length of your Diagonal Braces (if any).*

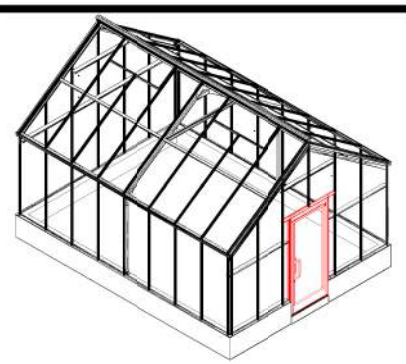
## Parts List:

*Diagonal Brace (1"x 2" Angle)*

*$\frac{1}{4}$" x $\frac{3}{4}$" S.S. Bolt & Nut*

*Diagonal Brace(s)*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



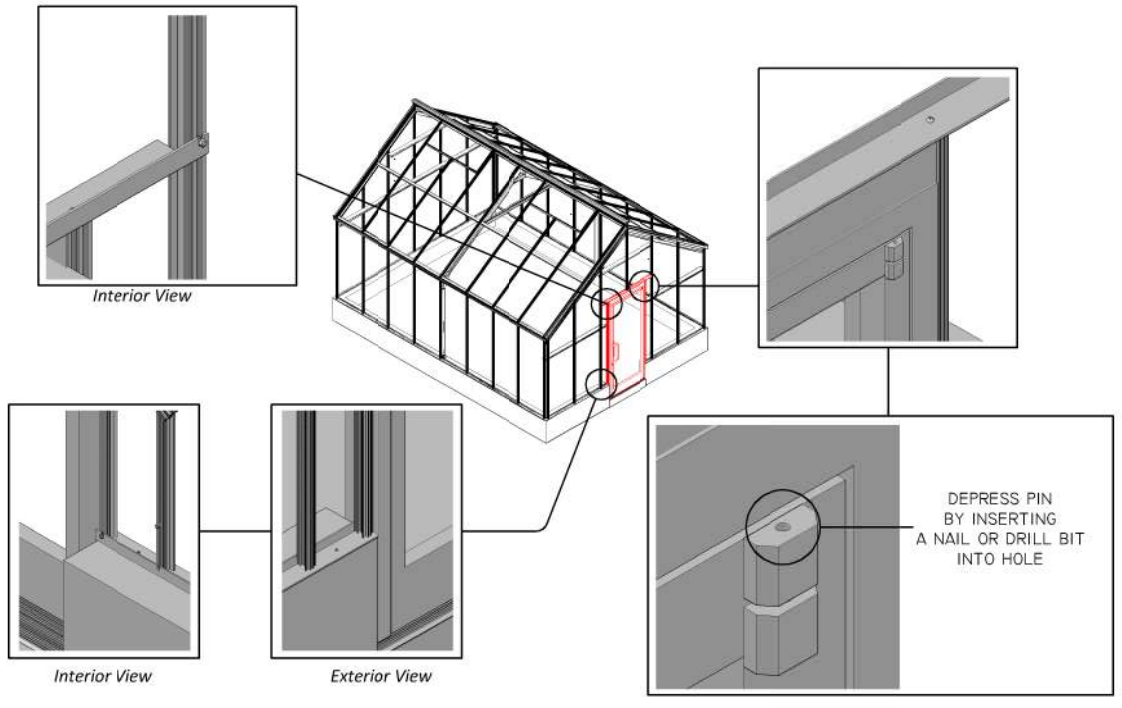
# ACCESSORIES: SINGLE STOREFRONT DOOR (ALL GLAZING TYPES - STANDARD CAPPING)

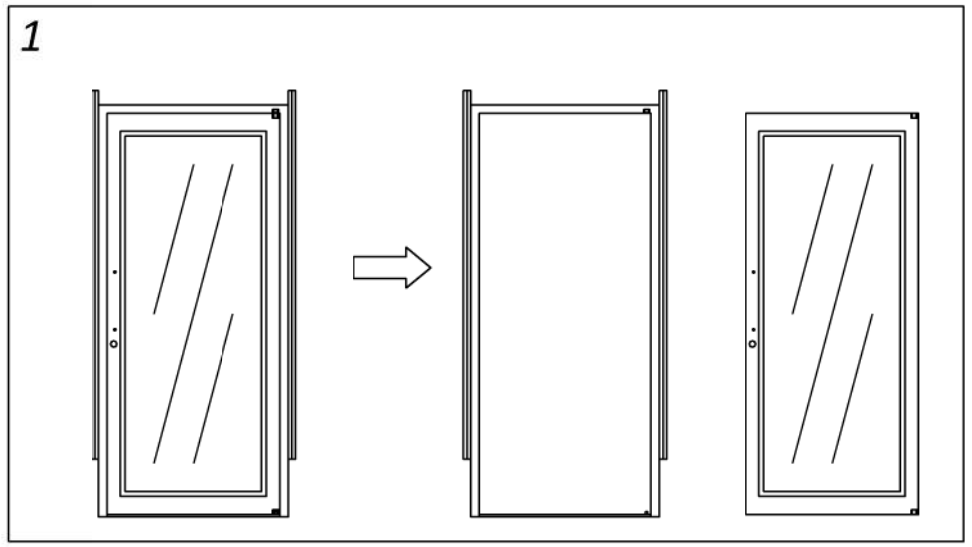
*STEPS:*

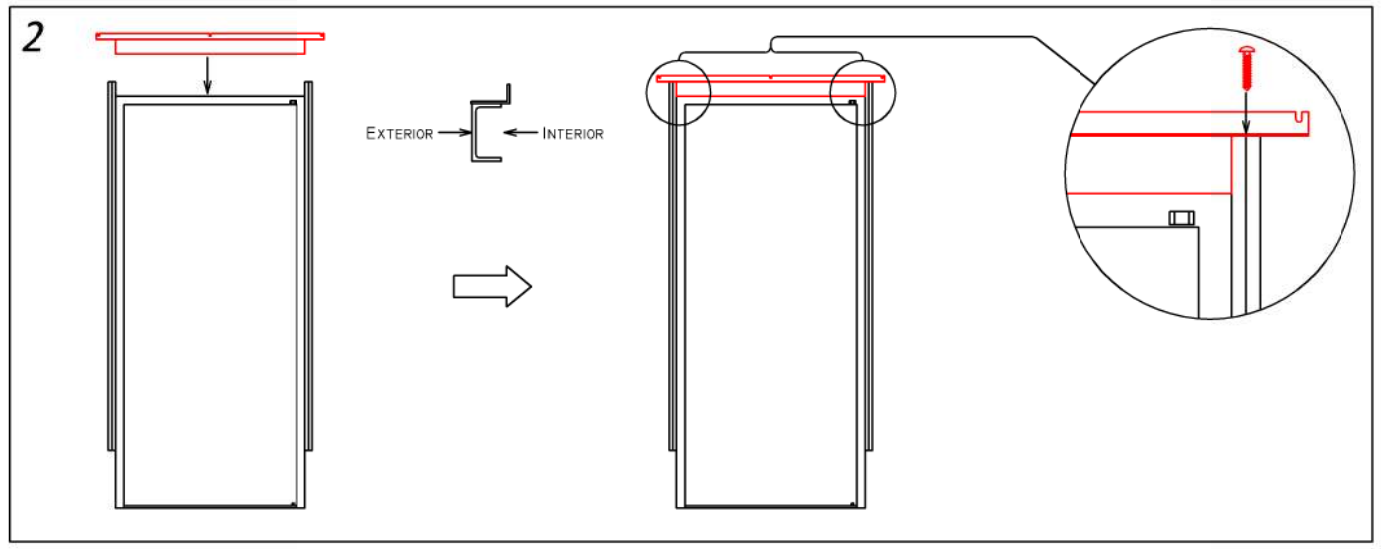
1. REMOVE DOOR SLAB FROM DOOR FRAME BY DEPRESSING THE PIN LOCATED INSIDE OF THE UPPER PIVOT.
2. SECURE THE DOOR HEADER TO THE PRE-ATTACHED GLAZING BARS USING 1" #8 SCREWS
3. ATTACH DOOR FRAME TO FRONT BASE USING ¼" X ½" BOLTS & NUTS

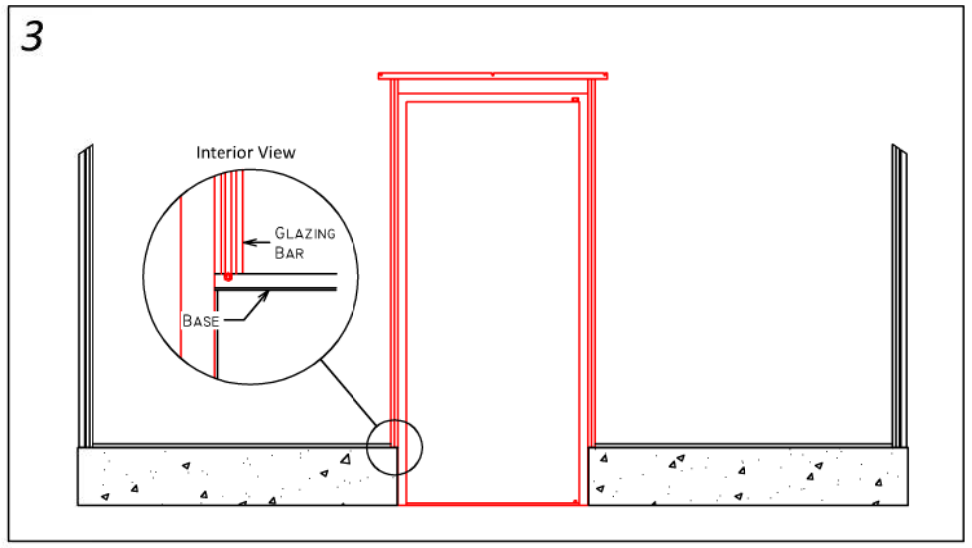
RETURN TO PAGE #5 OF THE INSTRUCTION MANUAL.

*ONCE GREENHOUSE IS FULLY GLAZED, REPLACE DOOR SLAB INTO FRAME.
*ATTACH CLOSER USING INSTRUCTION "*7300ARJ*" INCLUDED WITH CLOSER.
*KEY TO THE DOOR IS TAPED TO THE TOP OF THE DOOR SLAB.
*D-PULL HANDLE INSTRUCTION INCLUDED ON THE NEXT PAGE OF THIS INSTRUCTION MANUAL.



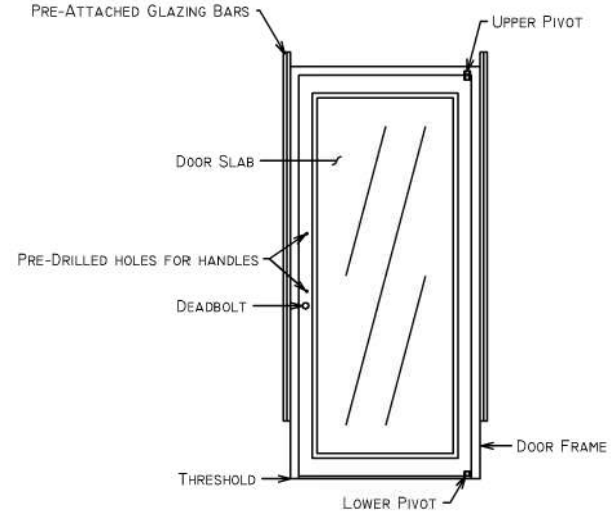




## PRO TIPS

*Storefront Doors are heavy.*
*Use 2 able-bodied people when moving or disassembling*

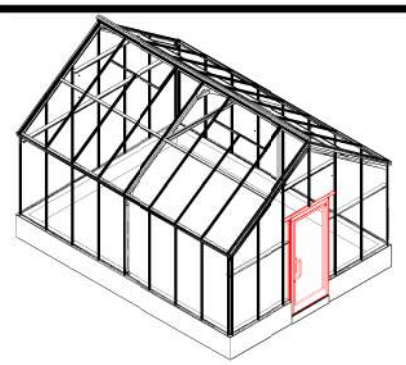



## Parts List:

*(Typical Single Storefront Door)*

- 1" x 2" Angle (Header)
- 1½" x 3" x 3/16" Channel (w/ 1" x 2" Angle attached) if applicable
- 2" x 4" x ¼" Channel (w/ 1" x 2" Angle attached) if applicable
- Door Frame & Slab
- ¼" x ½" S.S. Bolts & Nuts
- #8 x ¾" S.S. Screws

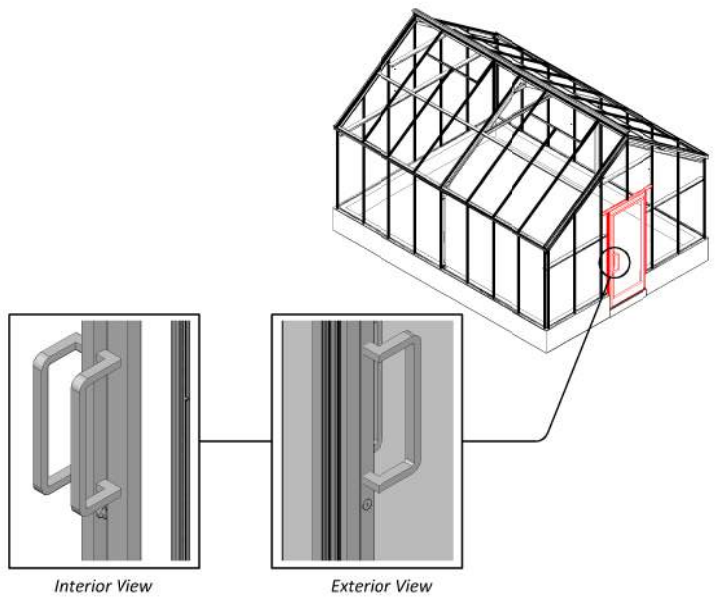
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

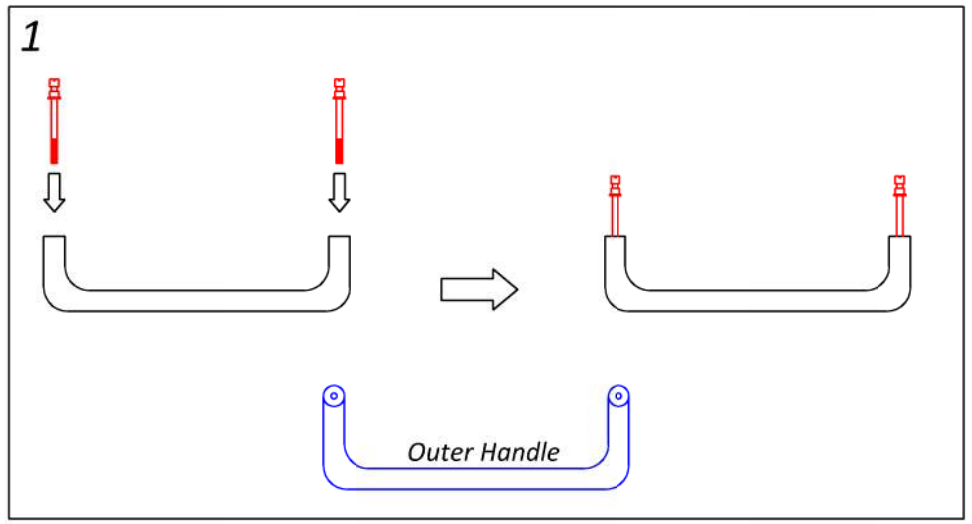


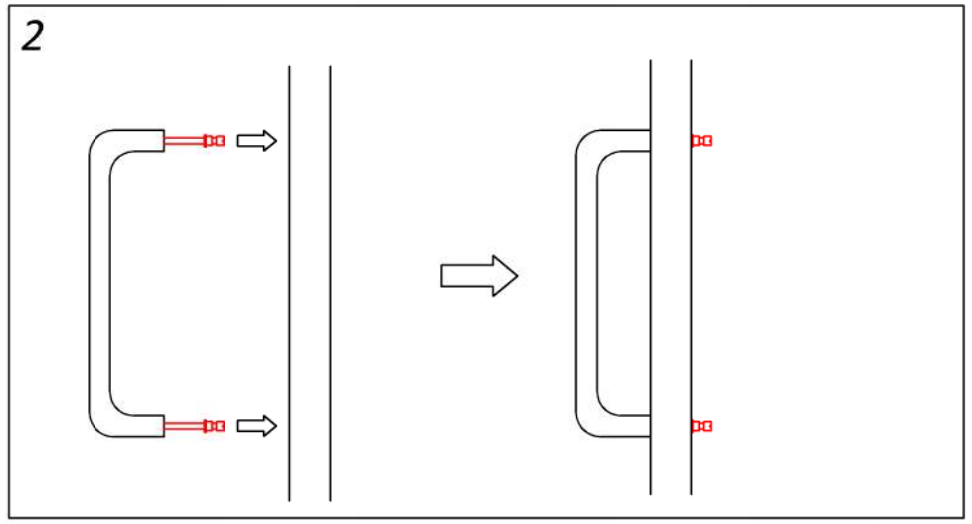
# ACCESSORIES: D-PULL HANDLES (ALL STOREFRONT DOORS)

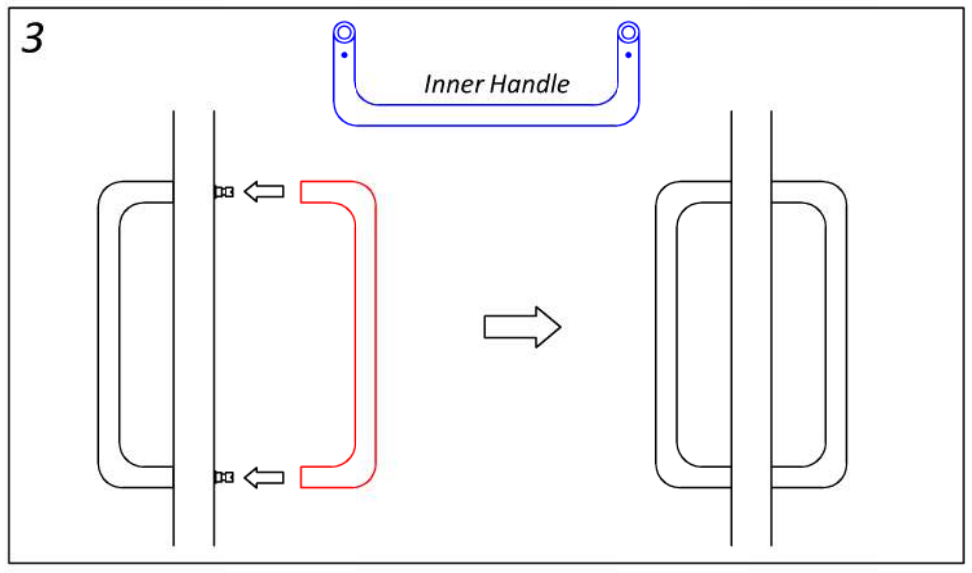
*STEPS:*

1. SCREW BRASS PINS INTO OUTER HANDLE USING A FLAT BLADED SCREWDRIVER.
2. INSERT BRASS PINS INTO THE DOOR UNTIL THE HANDLE IS FLUSH WITH THE DOOR.
3. ATTACH THE INNER HANDLE TO THE BRASS PINS & TIGHTEN WITH AN ALLEN KEY



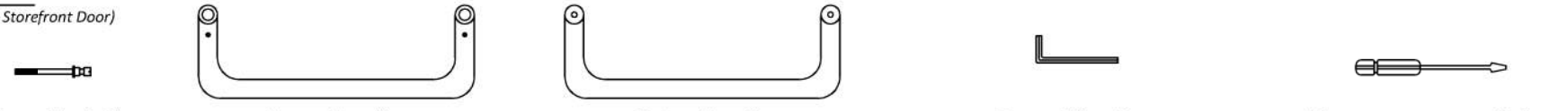




## PRO TIPS

*Use as large of a Flat-Bladed Screwdriver as possible. The pins are soft and the head can strip if you use too small of a tool.*

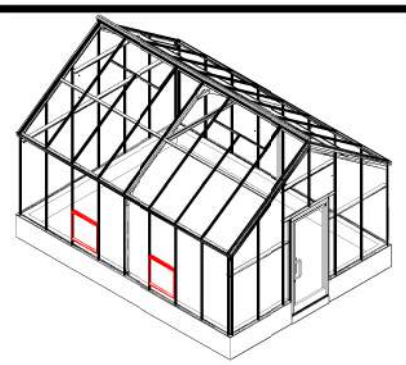
## Parts List:

*(Typical Single Storefront Door)*



*Brass Pin (x2)* | *Inner Handle* | *Outer Handle* | *3mm Allan Key* | *Flat Bladed Screw Driver*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



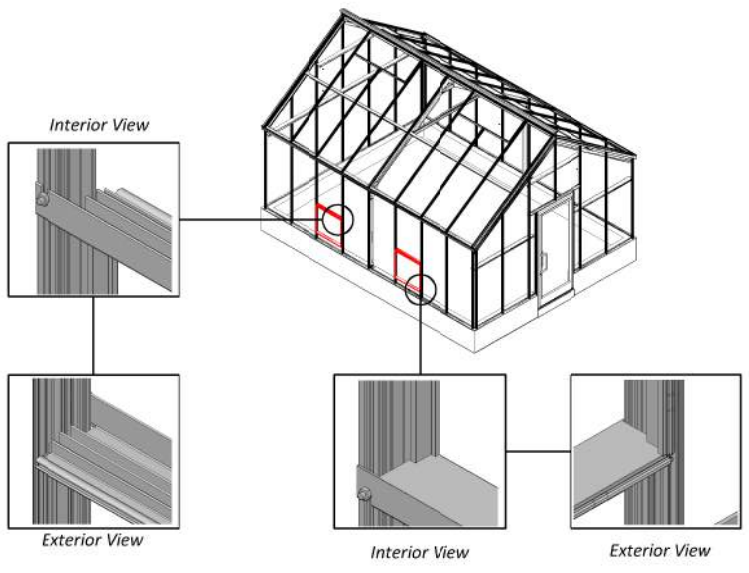
# ACCESSORIES: SINGLE SIDE VENT (ALL GLAZING TYPES)

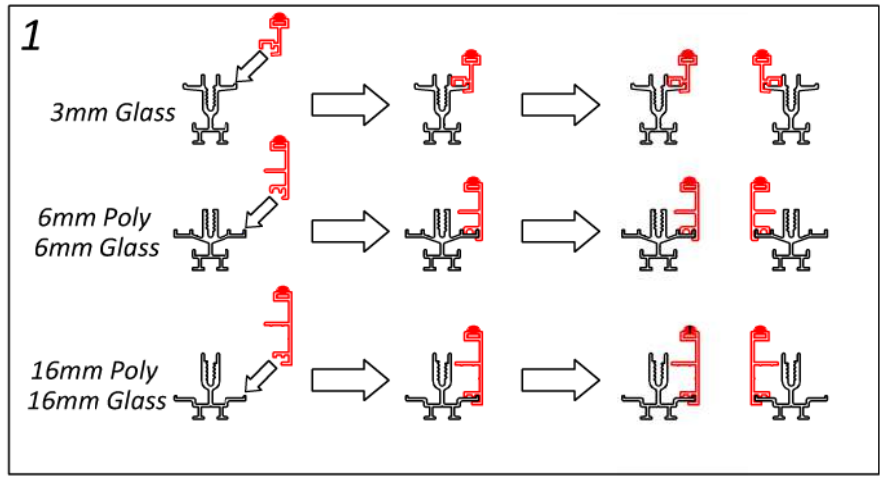
*STEPS:*

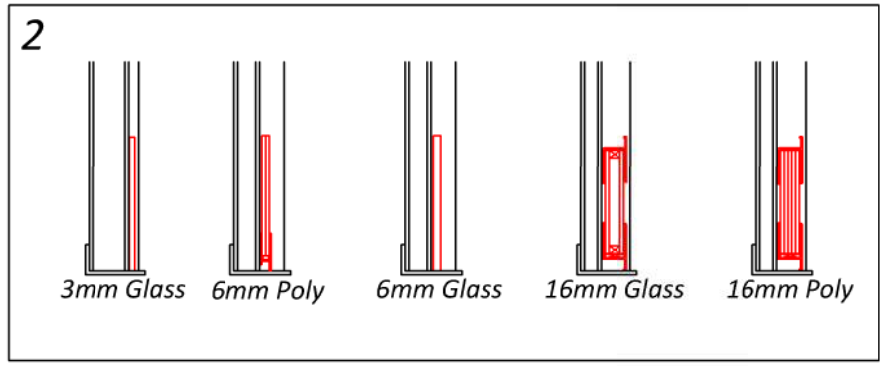
1. ATTACH SLIDERS TO GLAZING BARS AT DESIRED HEIGHT *BEFORE* ASSEMBLING GREENHOUSE FRAME. TYPICAL HEIGHT IS 6" ABOVE THE FOUNDATION.

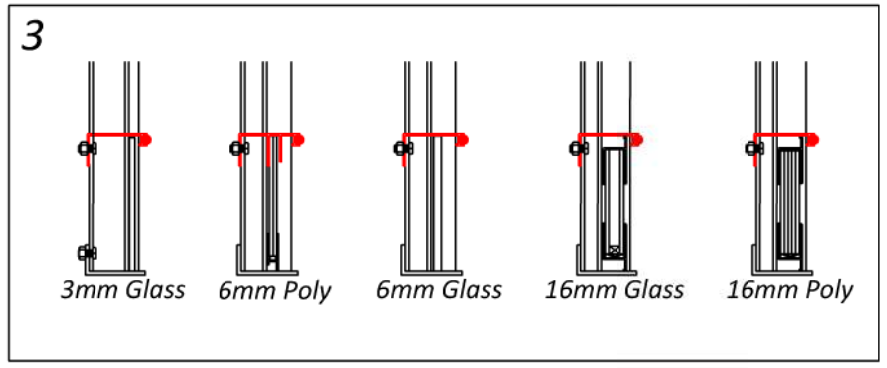
   *FINISH ASSEMBLING THE FRAME OF YOUR GREENHOUSE AND RETURN TO THIS STAGE BEFORE BEGINNING YOUR GLAZING.*

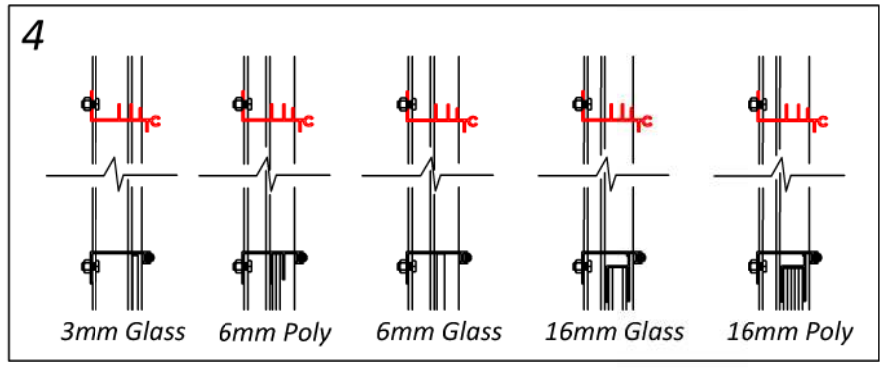
2. INSTALL THE DESIGNATED GLAZING MATERIAL FOR BELOW THE SIDE VENT.
3. ATTACH THE SIDE VENT SILL TO THE GREENHOUSE FRAME ON TOP OF THE GLAZING BUT BELOW THE SLIDERS USING ¼" X ½" BOLTS & NUTS. SLIDERS SHOULD REST ON TOP OF THE SIDE VENT SILL.
4. ATTACH THE SIDE VENT HEADER TO THE GREENHOUSE FRAME ON TOP OF THE SLIDERS USING ¼" X ½" BOLTS & NUTS.



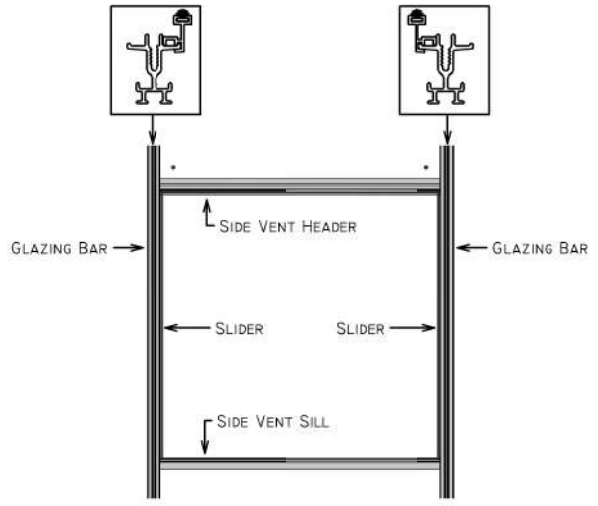




## PRO TIPS

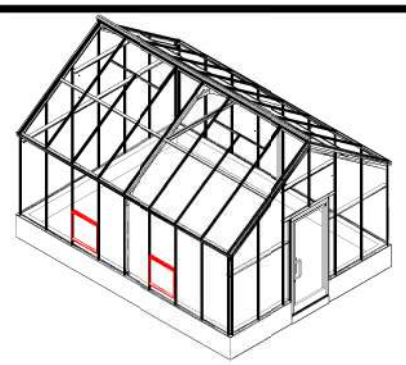
*The Side Vent Sliders MUST be installed before you begin glazing the greenhouse. If you have trouble figuring out how to attach the Sliders, look at your Roof Glazing Bars with the Roof Vent Sliders pre-attached.*




## Parts List:

- Slider x 2 (3mm Glass)
- Slider x 2 (6mm Glass & Poly.)
- Slider x 2 (16mm Glass & Poly.)
- Side Vent Sill (6mm Polycarbonate)
- Side Vent Sill (All other glazing types)
- Side Vent Header (All glazing types)
- Side Vent (Pre-assembled)
- ¼" x ½" S.S. Bolts & Nuts

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

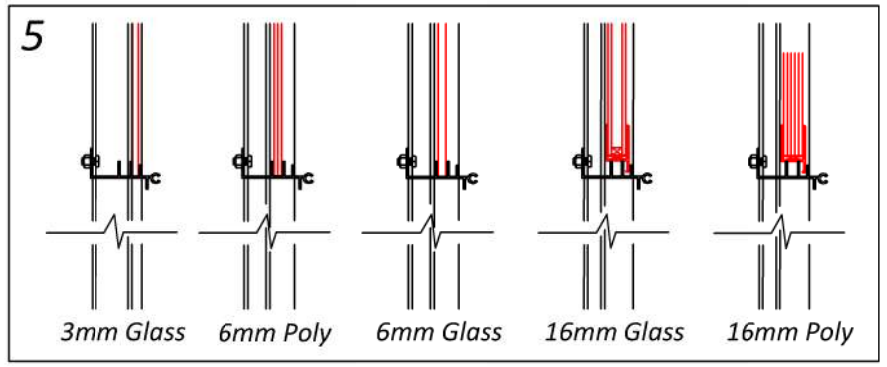


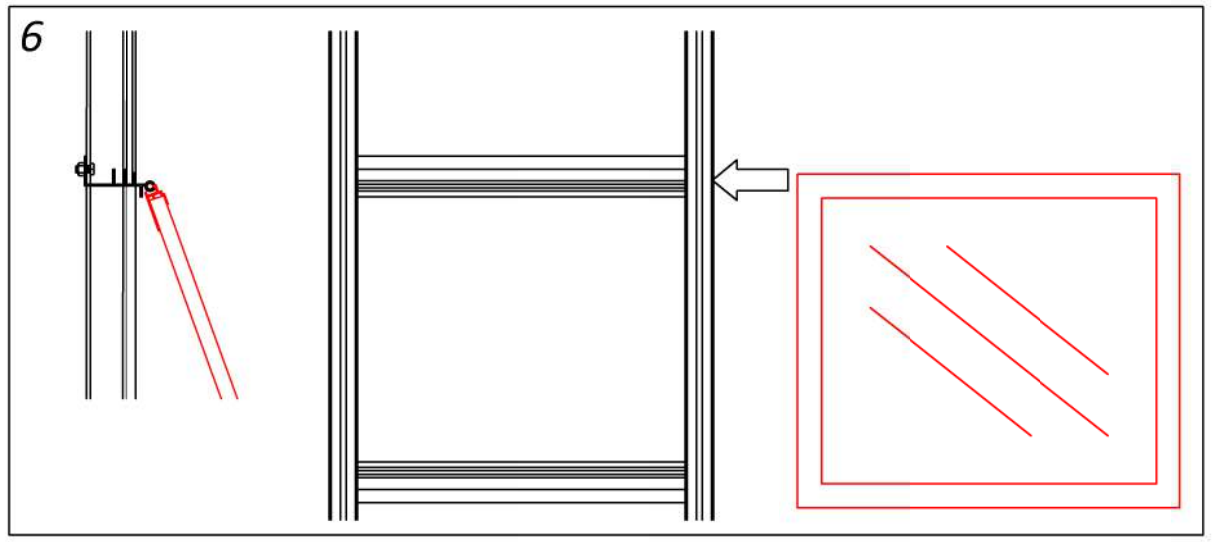
# ACCESSORIES: SINGLE SIDE VENT (ALL GLAZING TYPES)

*STEPS:*

5. INSTALL THE DESIGNATED GLAZING MATERIAL FOR ABOVE THE SIDE VENT.
6. INSERT THE SIDE VENT ITSELF INTO THE CURL ON THE SIDE VENT HEADER UNTIL IT IS EVENLY CENTERED.

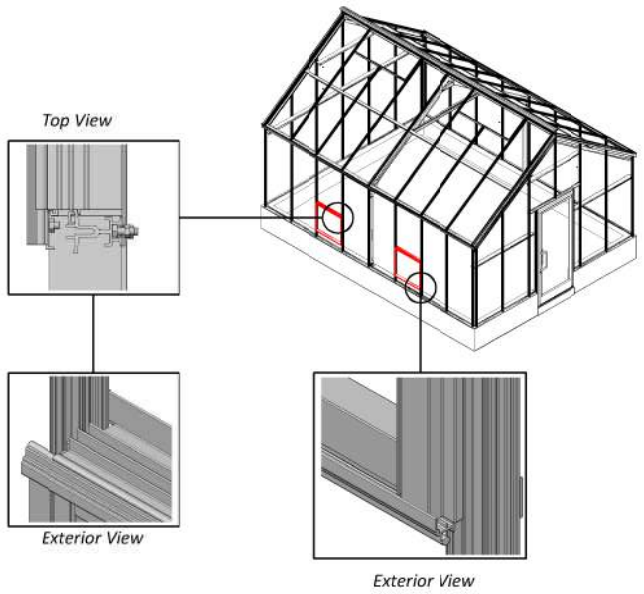
ATTACH THE SUPPLIED OPENER AS PER THE MANUFACTURERS INSTRUCTIONS.

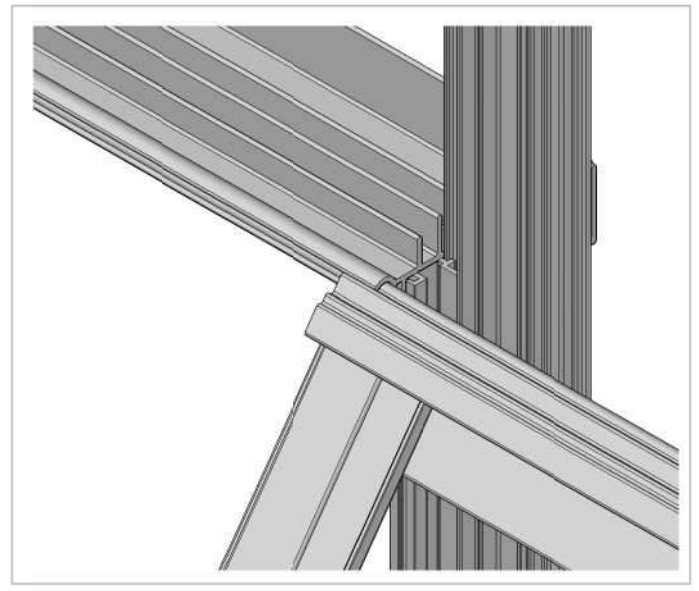



## PRO TIPS

*The Side Vent Sliders MUST be installed before you begin glazing the greenhouse. If you have trouble figuring out how to attach the Sliders, look at your Roof Glazing Bars with the Roof Vent Sliders pre-attached.*

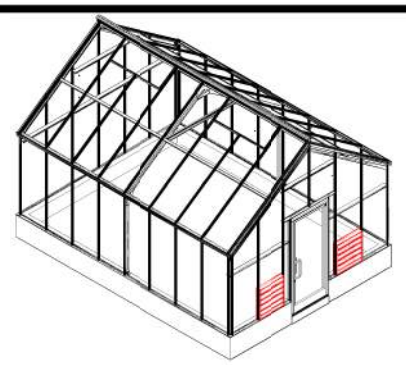


## Parts List:

- *Slider x 2 (3mm Glass)*
- *Slider x 2 (6mm Glass & Poly.)*
- *Slider x 2 (16mm Glass & Poly.)*
- *Side Vent Sill (6mm Polycarbonate)*
- *Side Vent Sill (All other glazing types)*
- *Side Vent Header (All glazing types)*
- *Side Vent (Pre-assembled)*
- *¼" x ½" S.S. Bolts & Nuts*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



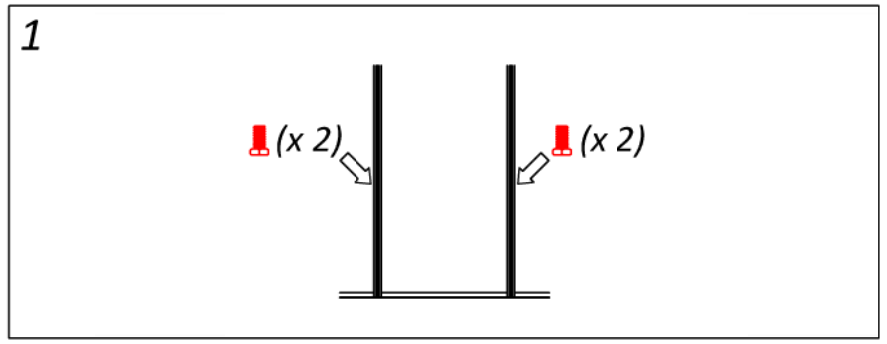
# ACCESSORIES: INTAKE SHUTTER (ALL GLAZING TYPES)

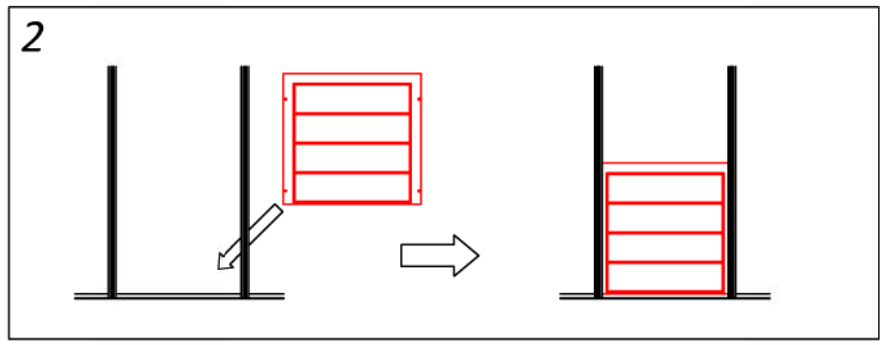
*STEPS:*

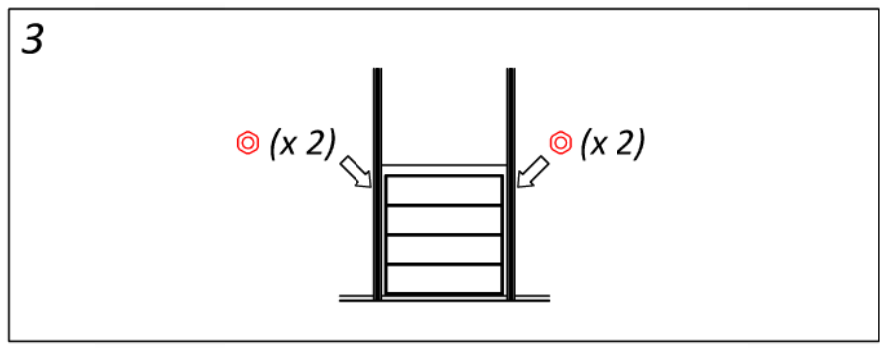
1. INSERT (4) ¼" X ½" BOLTS INTO THE BACK SIDE OF THE APPROPRIATE GLAZING BARS. [(2) IN EACH BAR]
2. FROM INSIDE THE GREENHOUSE, PLACE THE INTAKE SHUTTER IN THE APPROPRIATE LOCATION AND REST IT ON TOP OF THE BASE WHILE LINING UP THE BOLTS & PRE-DRILLED HOLES.
3. SECURE TO THE GLAZING BARS USING ¼" NUTS.

CONTINUE GLAZING ABOVE THE INTAKE SHUTTER AS NORMAL.

*HAVE INTAKE SHUTTER CONNECTED & WIRED BY A QUALIFIED ELECTRICIAN*

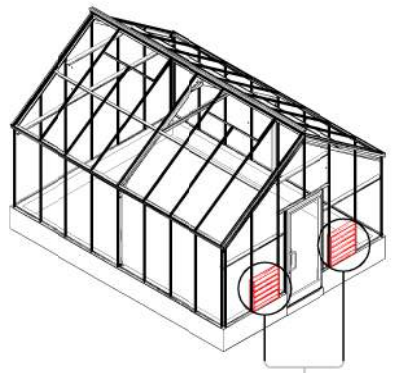


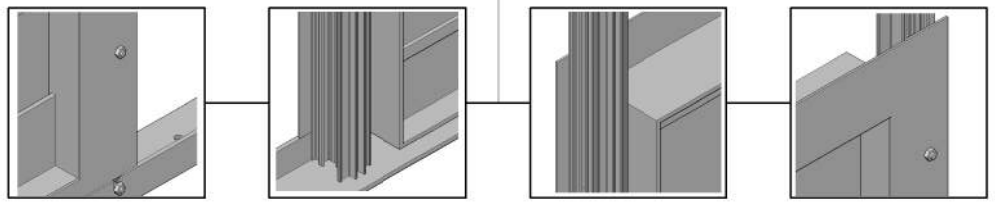



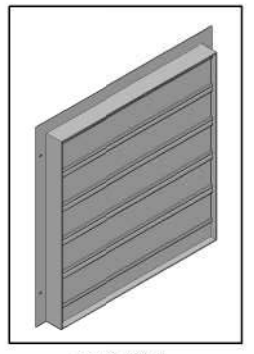



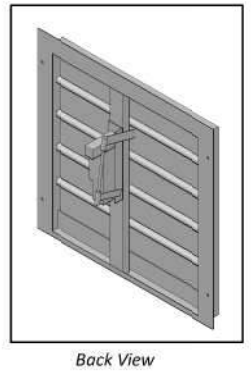

## PRO TIPS

*Any Electrical Component in your greenhouse must be wired by a Qualified Professional in accordance with Local & State Regulations. BC Greenhouse Builders will not offer advice on connecting Electrical Components.*

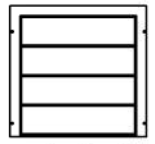






Front View

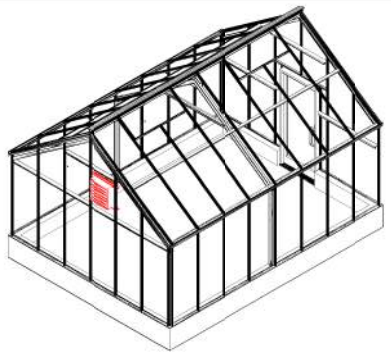

Back View

*Parts List:*


*Intake Shutter*


¼" x ½" S.S. Bolts & Nuts

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



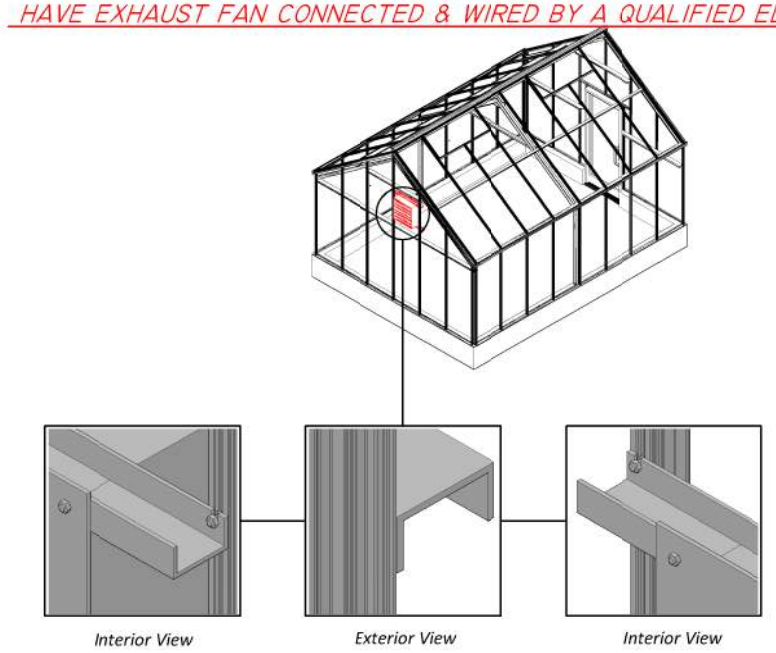
# ACCESSORIES: EXHAUST FAN (3MM SINGLE GLASS, TWINWALL POLYCARBONATE & 5WALL POLYCARBONATE)

*STEPS:*

DO NOT INSTALL THE EXHAUST FAN UNTIL YOU HAVE GAZED THE GREENHOUSE.
YOU WILL HAVE ONE PIECE OF GLAZING CUT TO ACCOMMODATE THE EXHAUST FAN.

1. INSERT (4) ¼" X ½" BOLTS INTO THE BACK SIDE OF THE APPROPRIATE GLAZING BARS. [(2) IN EACH BAR]
2. FROM INSIDE THE GREENHOUSE, INSERT THE EXHAUST FAN THROUGH THE PRECUT FAN HOLE. MOUNTING BRACKETS SHOULD COME PRE-ATTACHED TO THE FAN.
3. SECURE THE MOUNTING BRACKETS TO THE GLAZING BARS USING ¼" NUTS.
4. SEAL AROUND THE EXHAUST FAN WHERE IT PROTRUDES THROUGH THE GLAZING.

*HAVE EXHAUST FAN CONNECTED & WIRED BY A QUALIFIED ELECTRICIAN*

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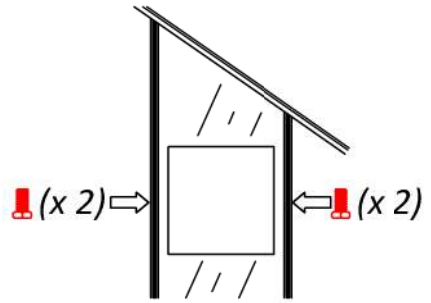


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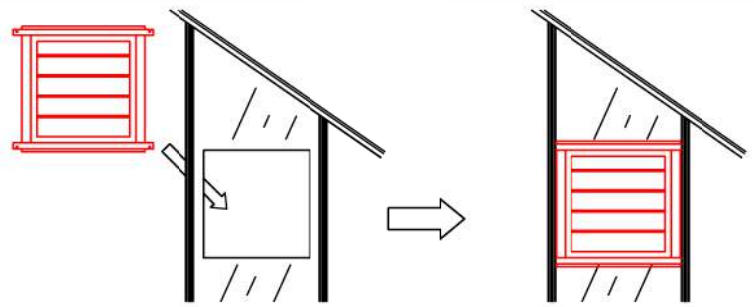

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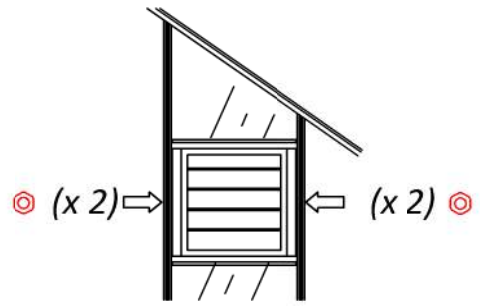


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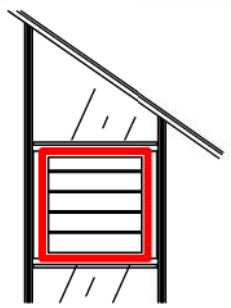
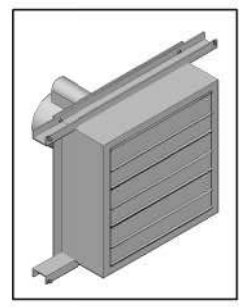
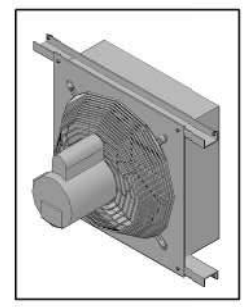


## PRO TIPS

*Any Electrical Component in your greenhouse must be wired by a Qualified Professional in accordance with Local & State Regulations. BC Greenhouse Builders will not offer advice on connecting Electrical Components.*


Front View


Back View

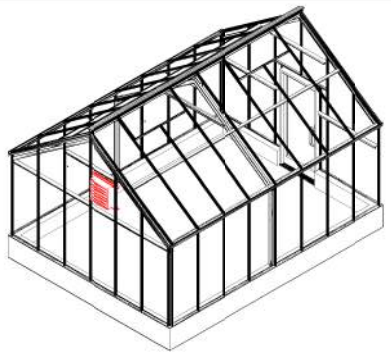
## Parts List:


Exhaust Fan


¼" x ½" S.S. Bolts & Nuts

Silicone

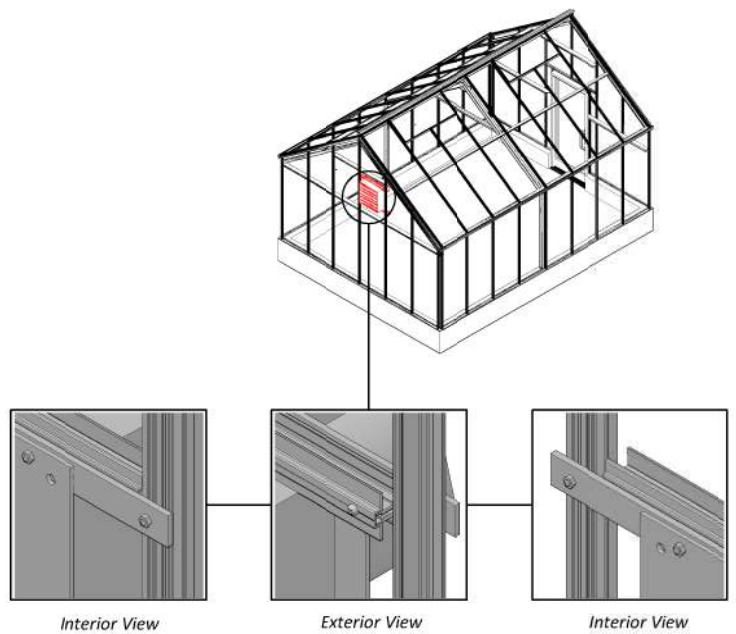
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

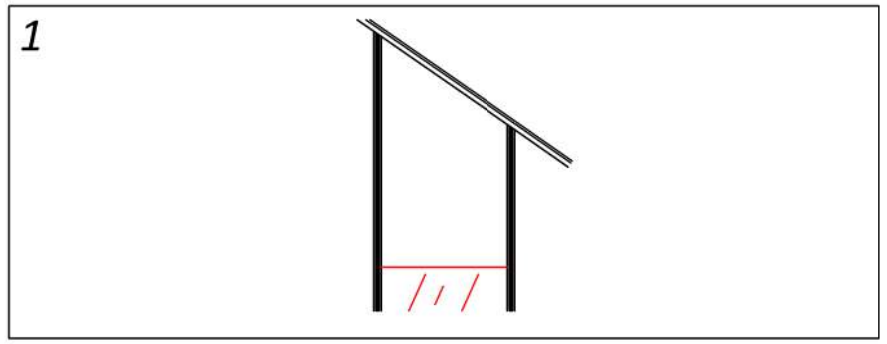


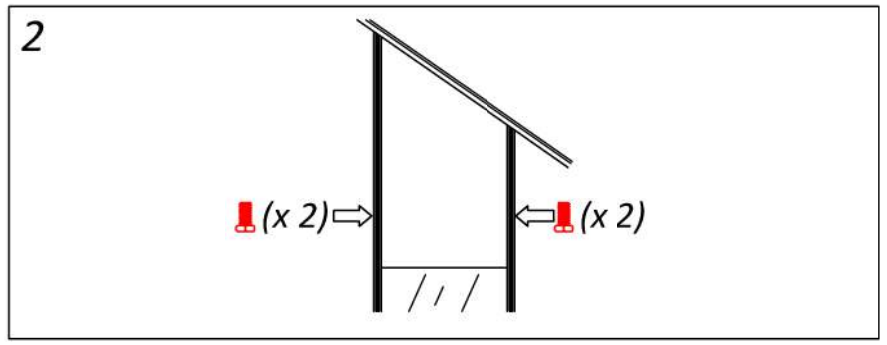
# ACCESSORIES: EXHAUST FAN (6MM SINGLE GLASS, 16MM DOUBLE GLASS)

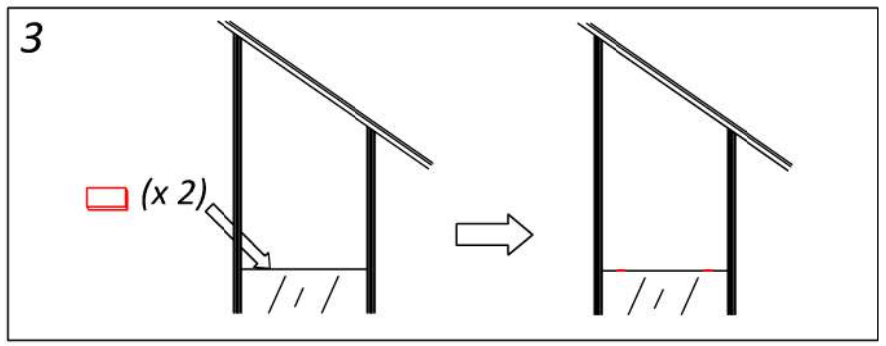
*STEPS:*

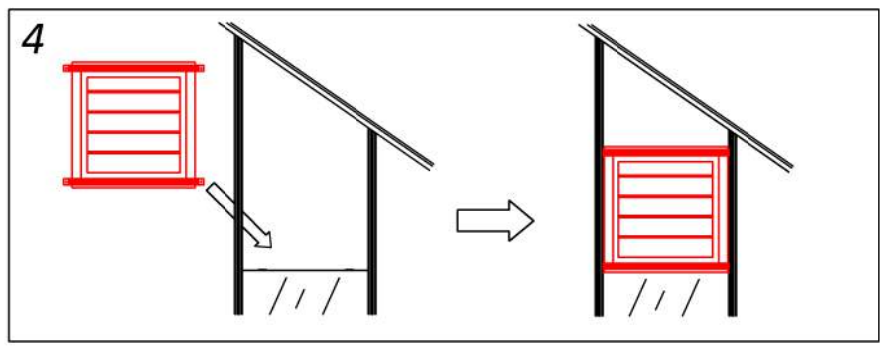
1. INSTALL THE APPROPRIATE GLASS PANEL DESIGNATED FOR BELOW THE FAN.
2. INSERT (4) ¼" X ½" BOLTS INTO THE BACK SIDE OF THE APPROPRIATE GLAZING BARS. [(2) IN EACH BAR]
3. REST (2) SETTING BLOCKS ON TOP OF THE GLASS PANEL
4. FROM INSIDE THE GREENHOUSE, INSERT THE EXHAUST FAN BETWEEN THE GLAZING BARS AND REST IT ON TOP OF THE SETTING BLOCKS WHILE CONNECTING TO THE BOLTS INSTALLED IN STEP 2.



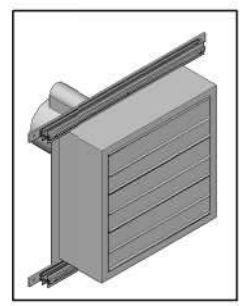



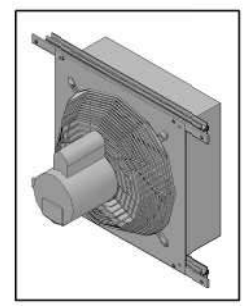




## PRO TIPS

*Any Electrical Component in your greenhouse must be wired by a Qualified Professional in accordance with Local & State Regulations. BC Greenhouse Builders will not offer advice on connecting Electrical Components.*


Front View


Back View

## Parts List:


Exhaust Fan


¼" x ½" S.S. Bolts & Nuts

Silicone


Setting Block
(Double Glass Models)

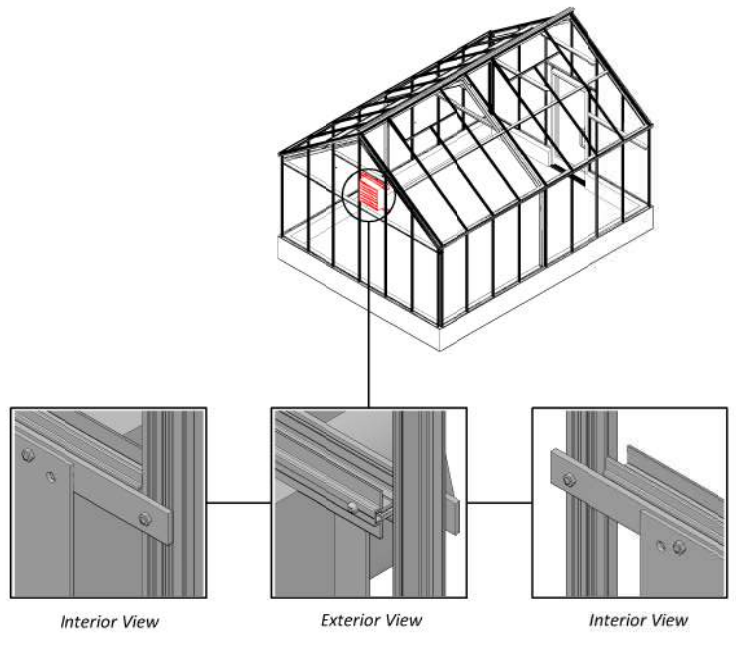
CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

# ACCESSORIES: EXHAUST FAN (6MM SINGLE GLASS, 16MM DOUBLE GLASS)

*STEPS:*

5. SECURE THE FAN TO THE GLAZING BARS WITH ¼" NUTS.
6. INSTALL THE APPROPRIATE FILLERS ON EITHER SIDE OF THE FAN.
7. CONTINUE GLAZING & CAPPING ABOVE THE FAN AS NORMAL.
8. SEAL AROUND THE EXHAUST FAN WHERE IT PROTRUDES THROUGH THE GLAZING.

*HAVE EXHAUST FAN CONNECTED & WIRED BY A QUALIFIED ELECTRICIAN*

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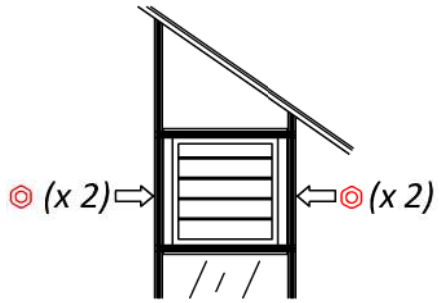


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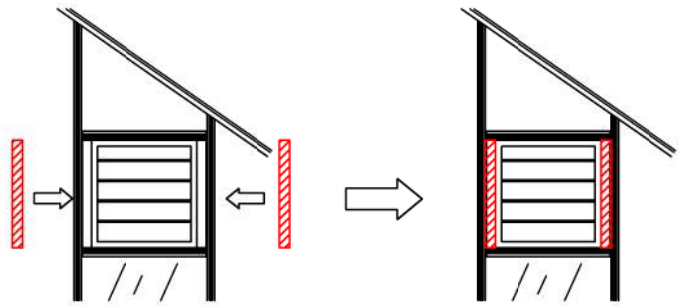

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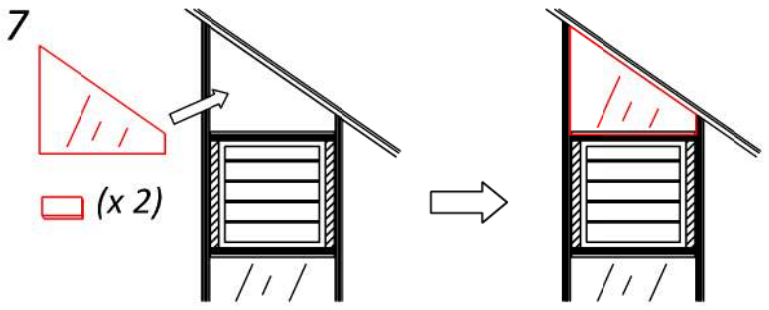


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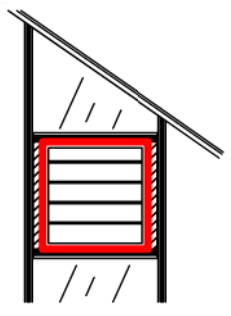
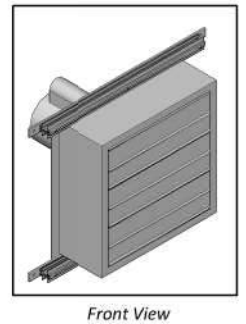
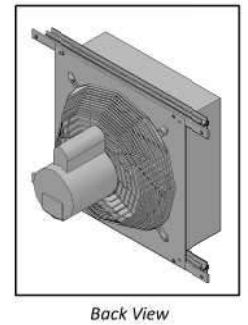


## PRO TIPS

*Depending on the Fan used and the style of Greenhouse, the filler beside the Fan could be Glass, Aluminum or a combination of both. Refer to your job specific drawings to see what material is being used for your Greenhouse.*

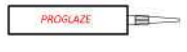

*Front View*


*Back View*

## Parts List:


*Exhaust Fan*

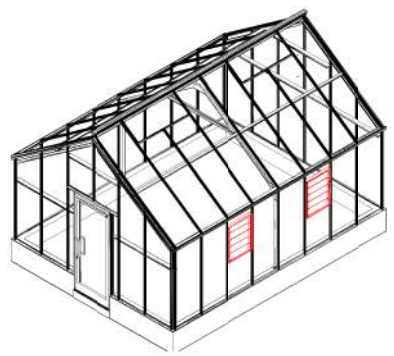

*¼" x ½" S.S. Bolts & Nuts*



*Silicone*


*Setting Block*
*(Double Glass Models)*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

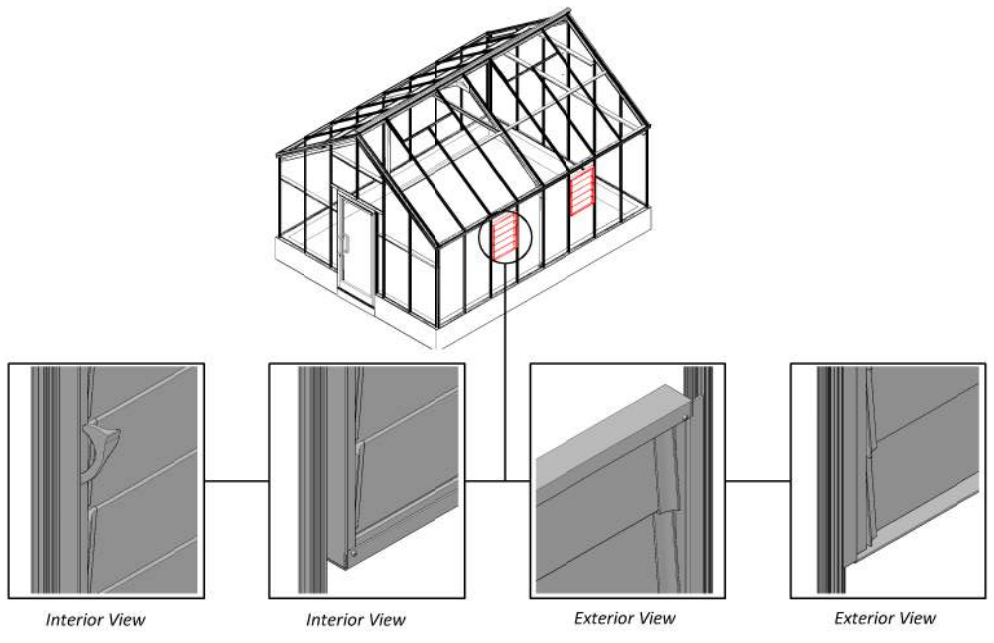


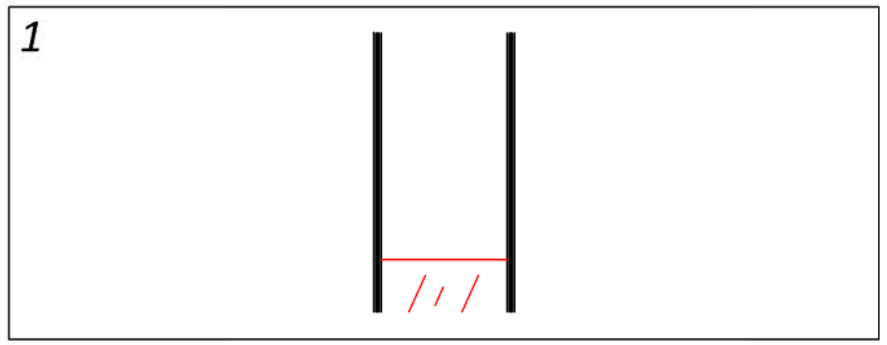
# ACCESSORIES: LOUVRES
# (3MM SINGLE GLASS, 6MM SINGLE GLASS)

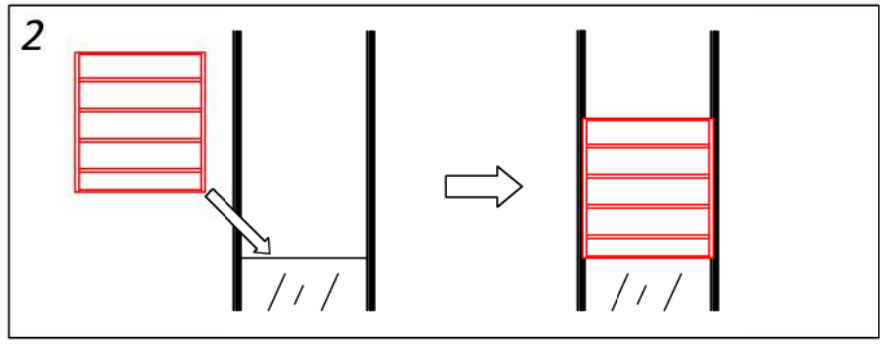
*STEPS:*

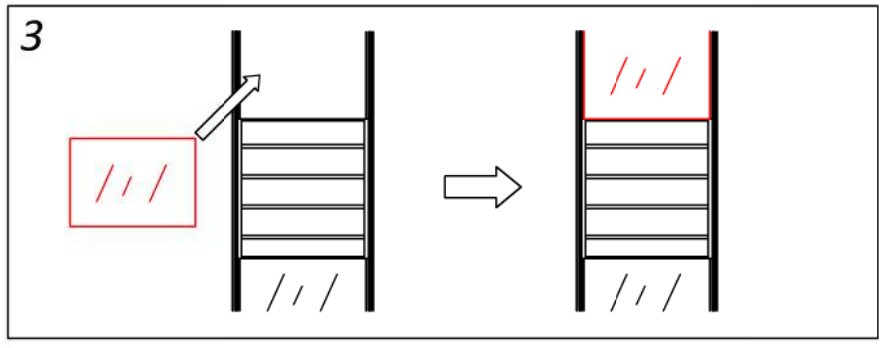
1. INSTALL THE APPROPRIATE GLASS PANEL DESIGNATED FOR BELOW THE LOUVRE.
2. FROM OUTSIDE THE GREENHOUSE, REST THE LOUVRE ON TOP OF THE GLASS PANEL.
3. INSTALL THE APPROPRIATE GLASS PANEL DESIGNATED FOR ABOVE THE LOUVRE.
4. SEAL ABOVE AND BELOW THE LOUVRE.

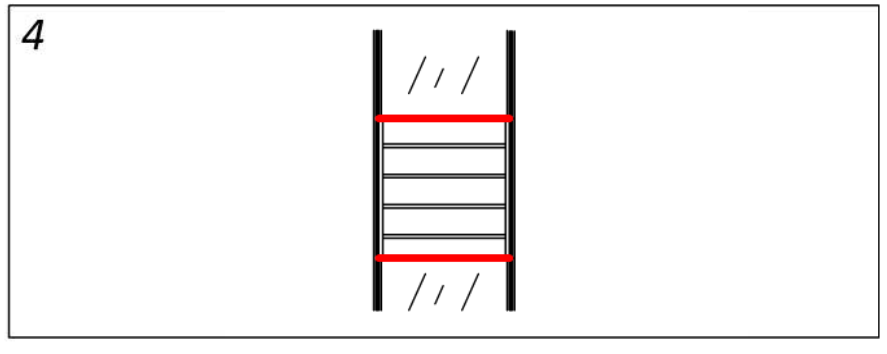
CONTINUE GLAZING AND CAPPING AS NORMAL. (LOUVRE WILL BE HELD IN PLACE WITH THE CAPS).

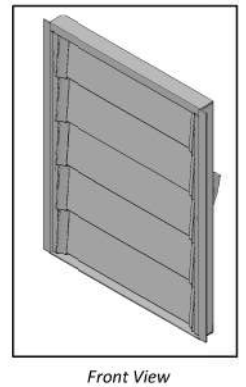


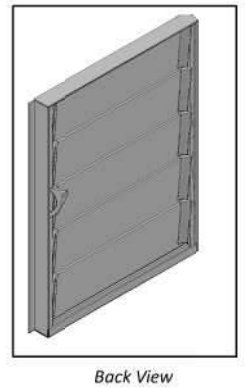





Front View

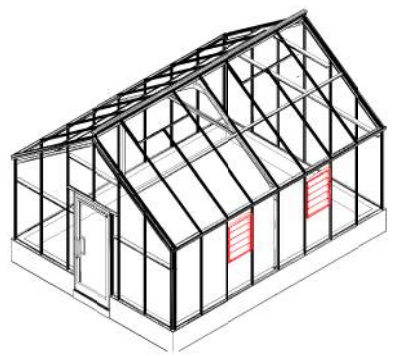

Back View

## Parts List:


Louvre

Silicone

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

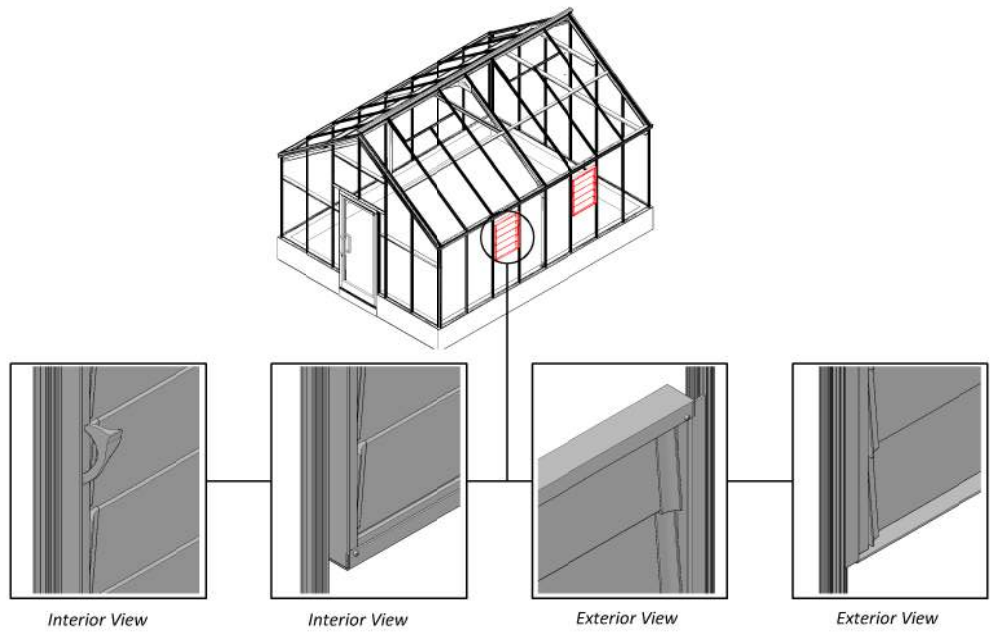


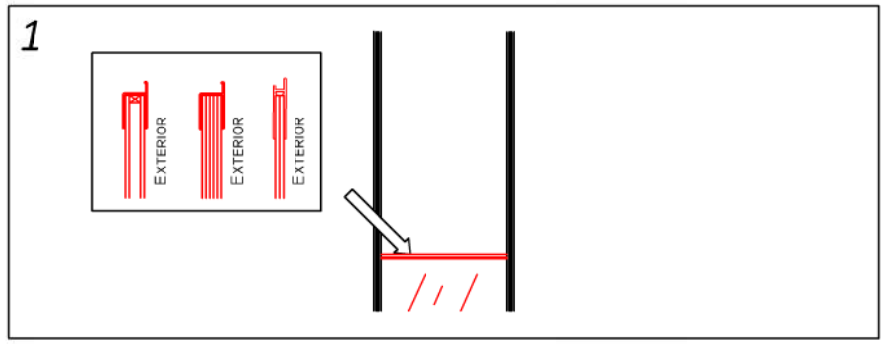
# ACCESSORIES: LOUVRES
# (6MM POLY, 16MM 5WALL POLY, 16MM DOUBLE GLASS)

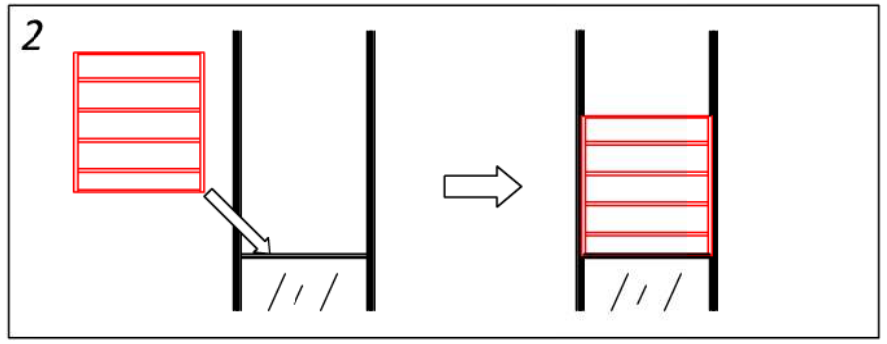
*STEPS:*

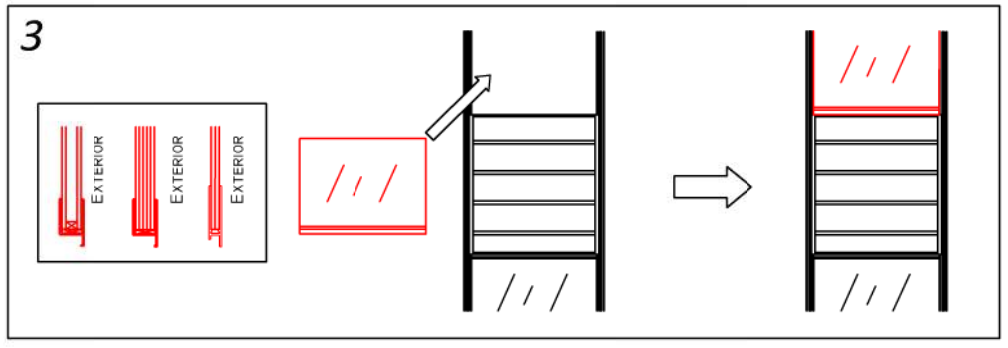
1. INSTALL THE APPROPRIATE GLAZING PANEL DESIGNATED FOR BELOW THE LOUVRE COMPLETE WITH THE CORRECT H-CHANNEL.
2. FROM OUTSIDE THE GREENHOUSE, REST THE LOUVRE ON TOP OF THE H-CHANNEL.
3. INSTALL THE APPROPRIATE GLASS PANEL DESIGNATED FOR ABOVE THE LOUVRE COMPLETE WITH THE CORRECT H-CHANNEL.
4. SEAL ABOVE AND BELOW THE LOUVRE.

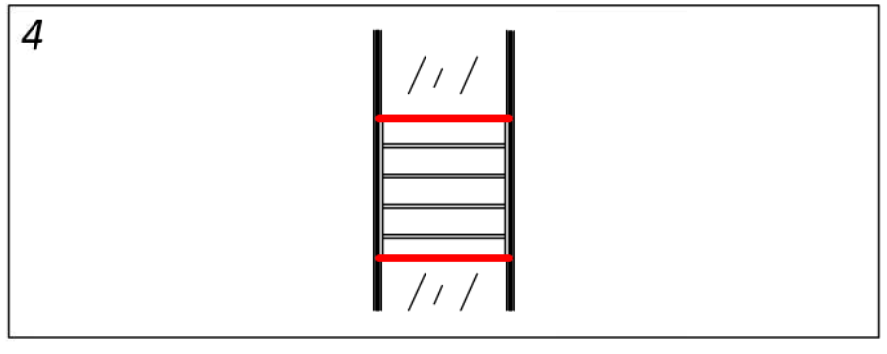
CONTINUE GLAZING AND CAPPING AS NORMAL. (LOUVRE WILL BE HELD IN PLACE WITH THE CAPS).

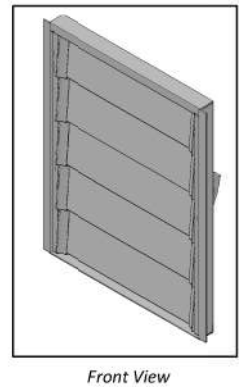


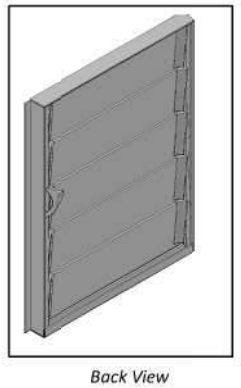





Front View

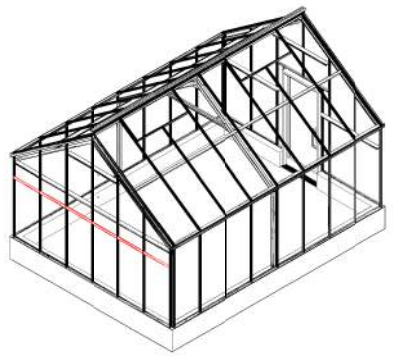

Back View

## Parts List:


Louvre

Silicone

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

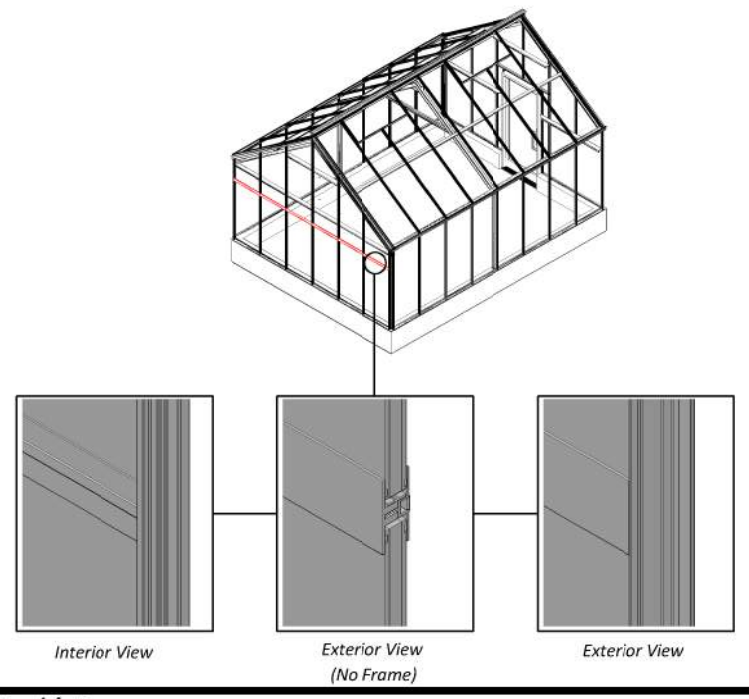


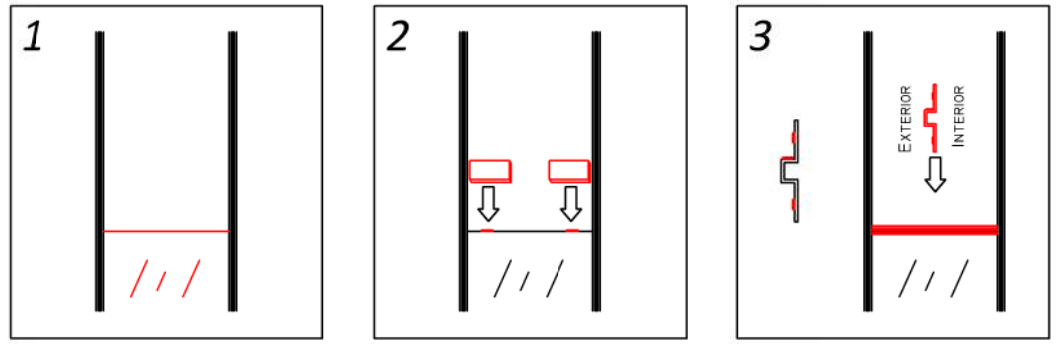
# ACCESSORIES: JOINER BARS (16MM DOUBLE GLASS)

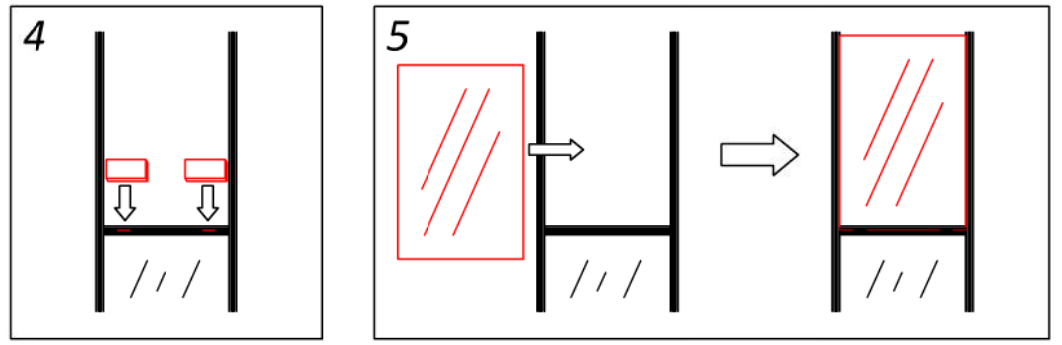
*STEPS:*

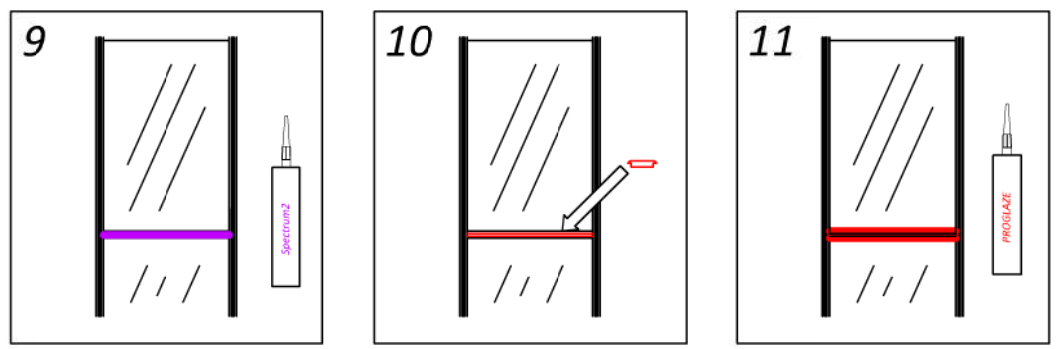
1. INSTALL THE APPROPRIATE GLAZING PANEL DESIGNATED FOR BELOW THE JOINER
2. PLACE (2) SETTING BLOCKS ON TOP OF THE GLASS PANEL.
3. PEEL THE BLUE TAPE FROM & SLIP THE INNER JOINER BEHIND THE GLASS PANEL AND REST IT ON TOP OF THE SETTING BLOCKS.
4 & 5. PLACE (2) SETTING BLOCKS ON TOP OF THE JOINER AND INSTALL THE GLASS PANEL DESIGNATED FOR ABOVE THE JOINER.
6. FILL THE GAP BETWEEN THE GLASS PANELS WITH SPECTRUM2, LEAVING ENOUGH ROOM FOR THE OUTER JOINER TO BE INSTALLED.
7. PEEL THE BLUE TAPE FROM & INSERT THE OUTER JOINER BETWEEN THE GLASS PANELS.
8. SECURE THE INNER & OUTER JOINERS TO EACH OTHER WITH (3) #6 X ½" SCREWS.
9. FILL THE INNER JOINER WITH SPECTRUM2.
10. INSERT THE VINYL SCREW COVER INTO THE INNER JOINER.
11. SILICONE SEAL THE JOINERS TOP & BOTTOM.

CONTINUE GLAZING AND CAPPING AS NORMAL.



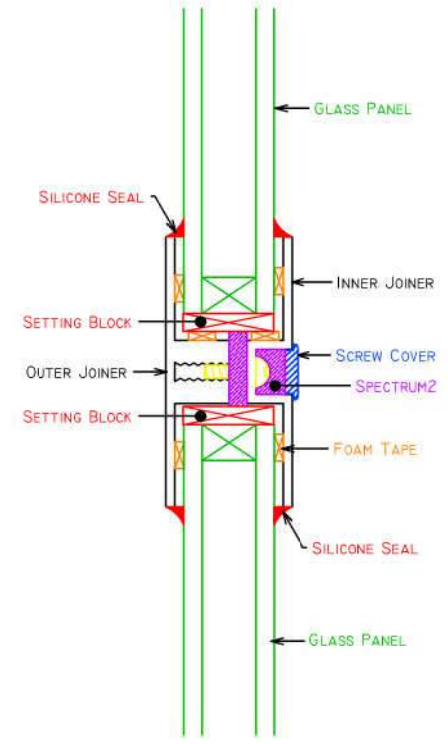



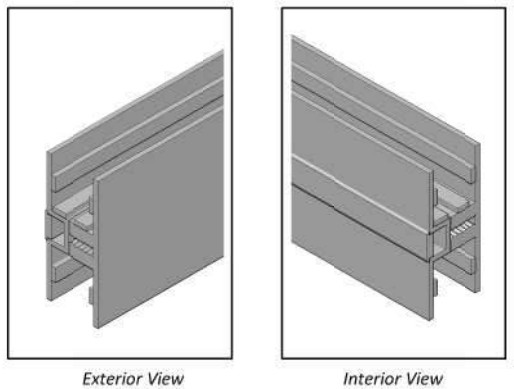




## PRO TIPS

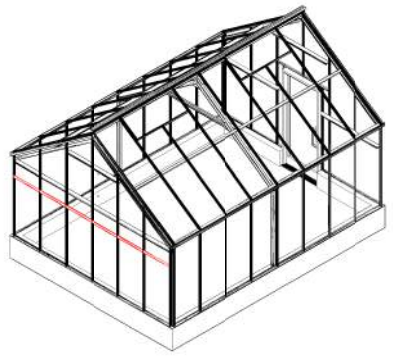
*Don't rush when sealing your Joiners.*
*Take your time to ensure that the sealants are properly applied and all gaps are filled.*
*Each Joiner should use about ½ a tube of Spectrum2*




## Parts List:


CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

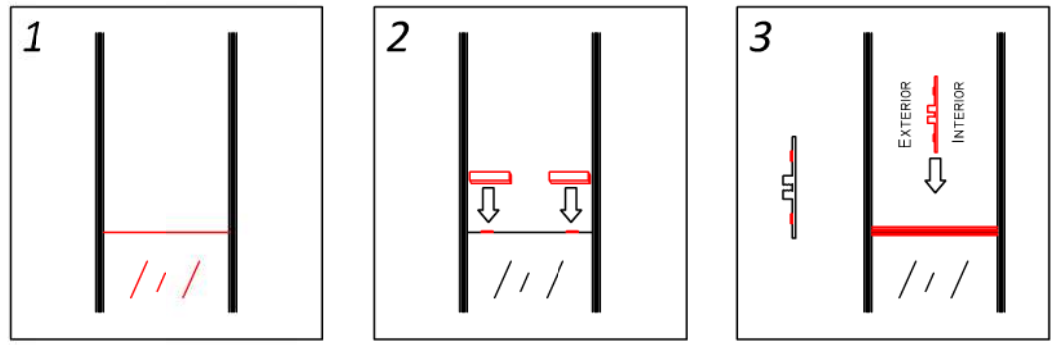


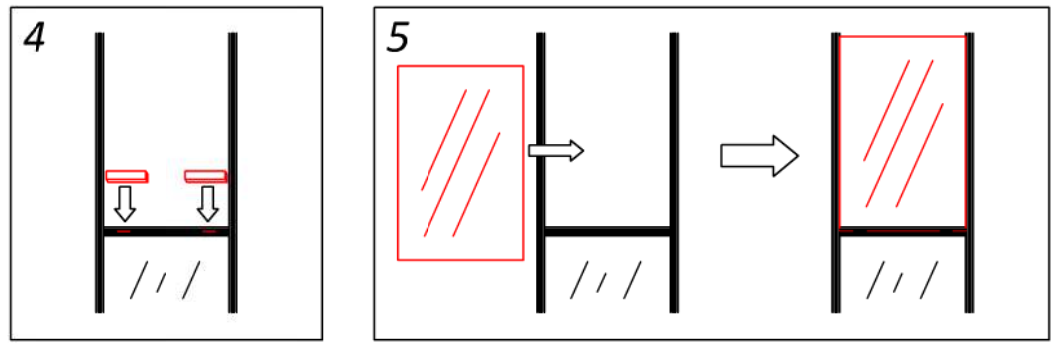
# ACCESSORIES: JOINER BARS (6MM SINGLE GLASS)

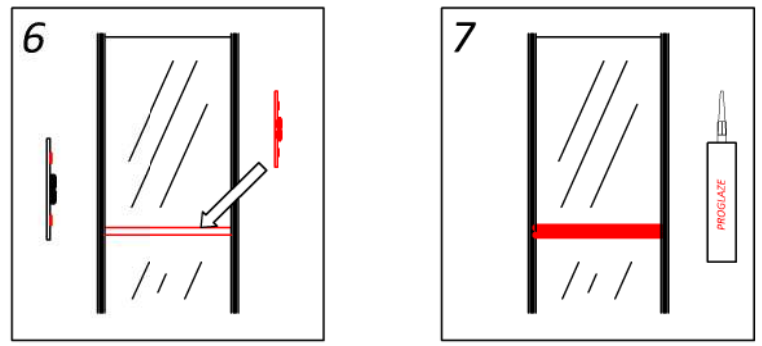
*STEPS:*

1. INSTALL THE APPROPRIATE GLAZING PANEL DESIGNATED FOR BELOW THE JOINER
2. PLACE (2) SETTING BLOCKS ON TOP OF THE GLASS PANEL.
3. PEEL THE BLUE TAPE FROM & SLIP THE INNER JOINER BEHIND THE GLASS PANEL AND REST IT ON TOP OF THE SETTING BLOCKS.
4. PLACE (2) SETTING BLOCKS ON TOP OF THE JOINER
5. INSTALL THE GLASS PANEL DESIGNATED FOR ABOVE THE JOINER.
6. PEEL THE BLUE TAPE FROM & INSERT THE OUTER JOINER BETWEEN THE GLASS PANELS.
7. SILICONE SEAL THE JOINERS TOP & BOTTOM

CONTINUE GLAZING AND CAPPING AS NORMAL.

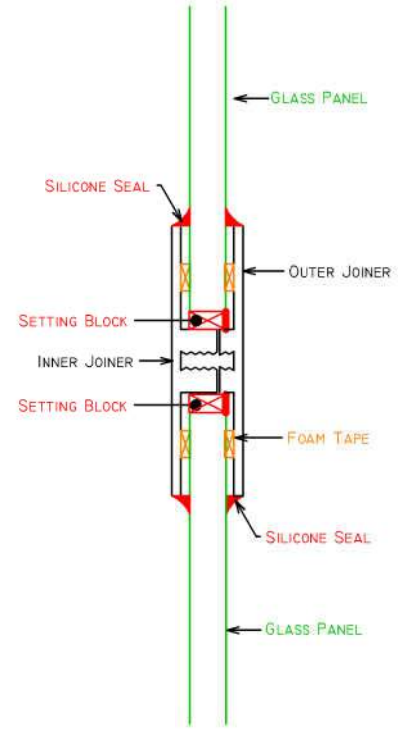


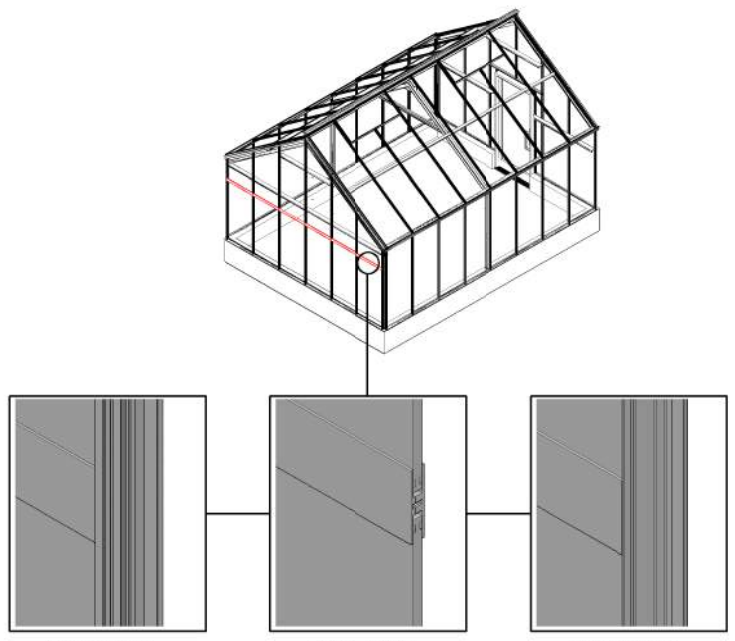



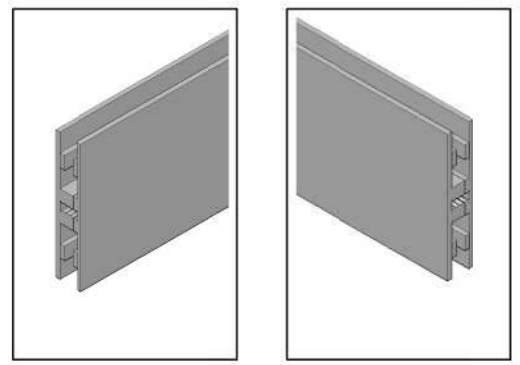

## PRO TIPS

*Don't rush when sealing your Joiners. Take your time to ensure that the sealants are properly applied and all gaps are filled, particularly in the Roof.*



*Interior View* | *Exterior View (No Frame)* | *Exterior View*

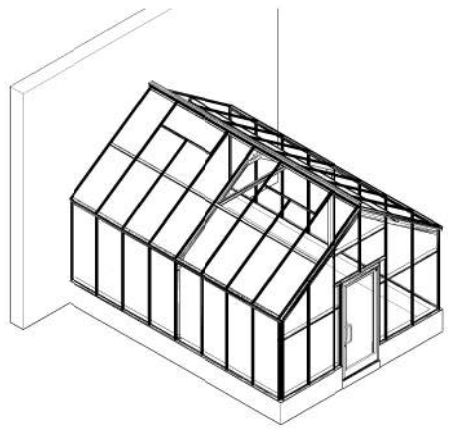


*Exterior View* | *Interior View*

## *Parts List:*


*Outer Joiner* | *Inner Joiner* | *Silicone* | *Setting Block*

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# ACCESSORIES: GABLE ATTACHMENT (ALL GLAZING TYPES - STANDARD CAPS)

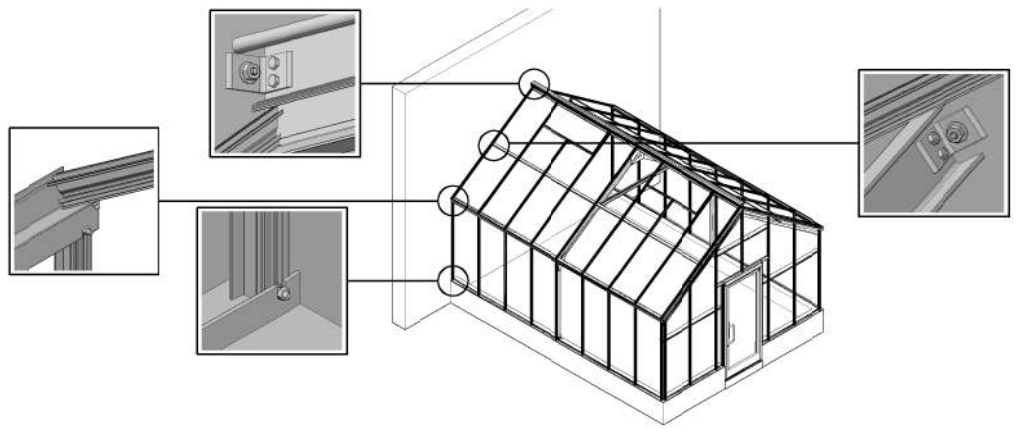
*STEPS:*

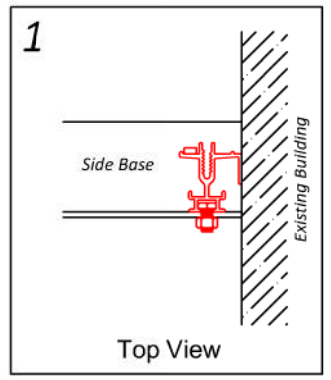
COMPLETE STAGES 1-5 OF THE INSTALLATION MANUAL FOR THE GABLE WALL THAT IS NOT CONNECTING TO THE EXISTING BUILDING.

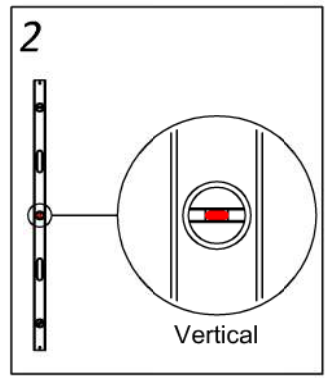
1. ATTACH THE SIDE WALL OUTER BARS TO THE GREENHOUSE BASE USING ¼" X ½" BOLTS & NUTS.
2. USING A 4' LEVEL, ENSURE THAT THE SIDE WALL OUTER BARS ARE VERTICAL FRONT-TO-BACK AND LEFT-TO-RIGHT.
3. SECURE SIDE WALL OUTER BARS TO TO THE EXISTING BUILDING USING #8 x 2" SCREWS. REPEAT FOR BOTH SIDES.

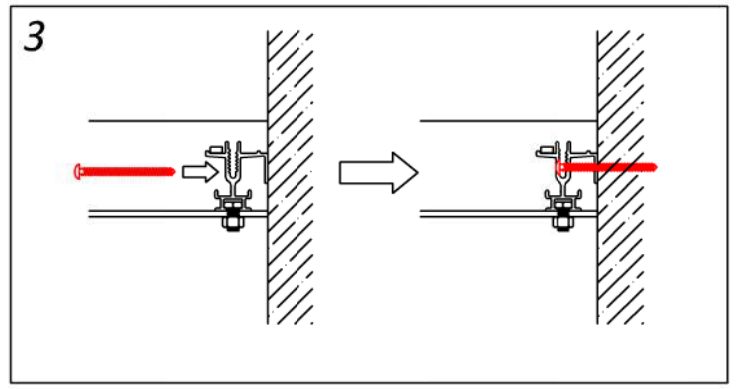
COMPLETE STAGE 6 & 7 OF THE INSTALLATION MANUAL.

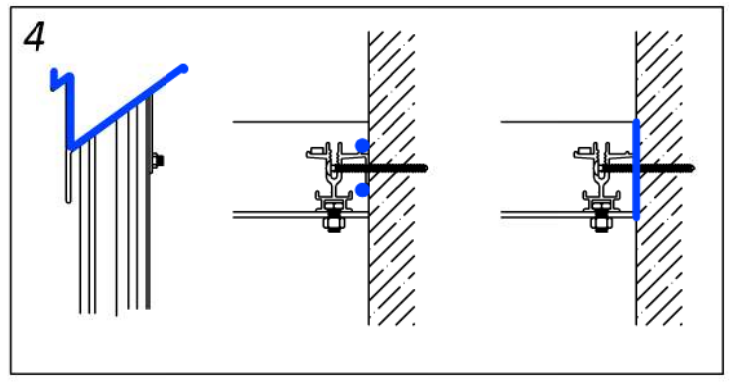
4. CAULK THE ENDS OF THE GUTTERS, BASE AND SIDE WALL OUTER BAR WHERE THEY BUTT AGAINST THE EXISTING BUILDING.





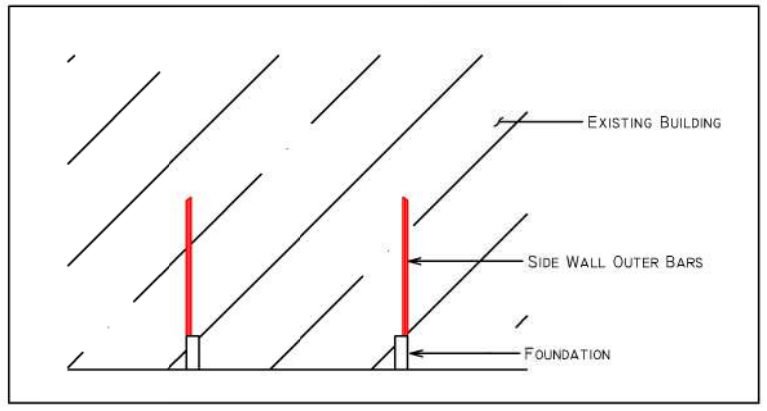




## PRO TIPS

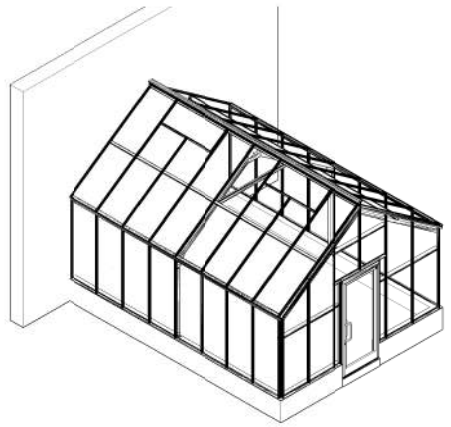
*When Gable Attaching a greenhouse, it is more imperative than ever to ensure that your foundation is level and the building you are attaching to is perpendicular to the foundation.*




## Parts List:

- Glazing Outer Bar (3mm Single Glass)
- Glazing Outer Bar (6mm Twinwall Poly.)
- Glazing Outer Bar (6mm Single Glass)
- Glazing Bar (16mm Fivewall Poly.)
- Glazing Outer Bar (16mm Double Glass)
- #8 x 2" S.S. Screw
- ¼" x ½" S.S. Bolts & Nuts
- Concrete Anchor w/ Nut & Washer (if applicable)
- Lag Bolt & Washer
- TREMCO 830 Caulking

CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM



# ACCESSORIES: GABLE ATTACHMENT (ALL GLAZING TYPES - STANDARD CAPS)

*STEPS:*

COMPLETE STAGE 8 OF THE INSTALLATION MANUAL FOR THE GABLE WALL THAT IS NOT CONNECTING TO THE EXISTING BUILDING.

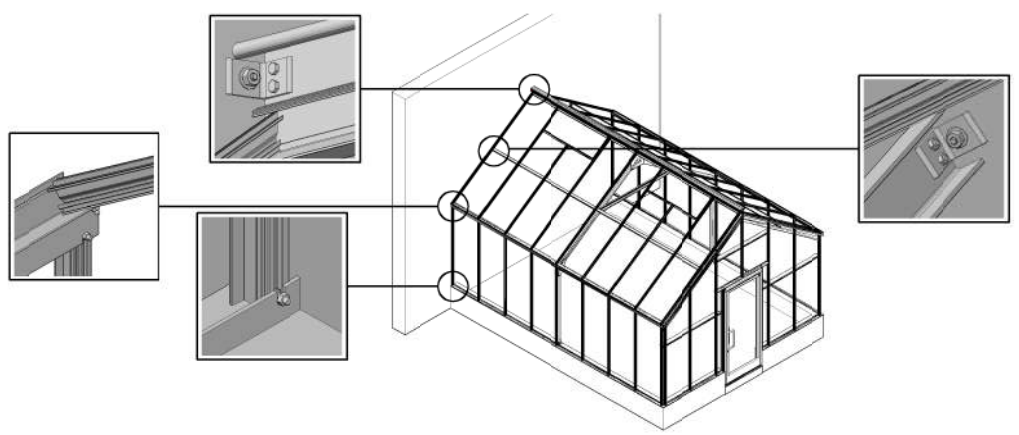
5. BOLT THE ROOF OUTER BARS TO THE GUTTERS USING ¼" X ½ BOLTS & NUTS. ALLOW THE ROOF OUTER BARS TO TOUCH AND SUPPORT EACH OTHER WHERE THEY MEET AT THE PEAK.

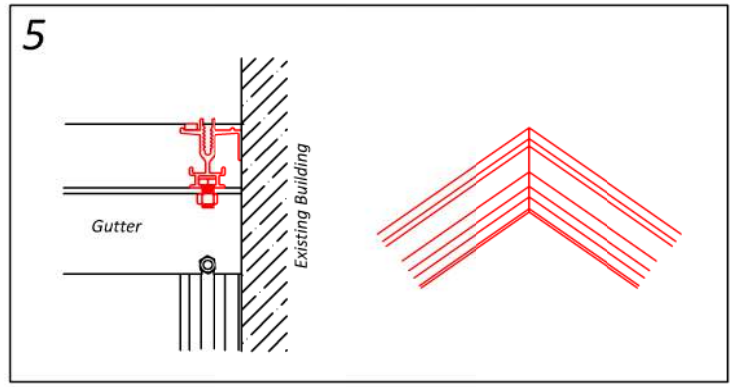
   COMPLETE STAGE 9 OF THE INSTALLATION MANUAL FOR THE GABLE WALL THAT IS NOT CONNECTING TO THE EXISTING BUILDING.

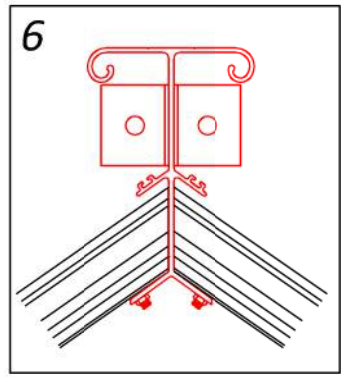
6. FIT THE RIDGE BEAM BETWEEN THE ROOF OUTER BARS AND SECURE IT WITH ¼" X ½" BOLTS & NUTS.
7. VERIFY THAT THE RIDGE IS LEVEL.
8. SECURE ROOF OUTER BARS TO THE EXISTING BUILDING USING #8 X 2" SCREWS.
9. SECURE RIDGE TO EXISTING BUILDING USING SUPPLIED LAG BOLTS OR ANCHORS.
10. CAULK ROOF OUTER BARS & RIDGE AT EXISTING BUILDING

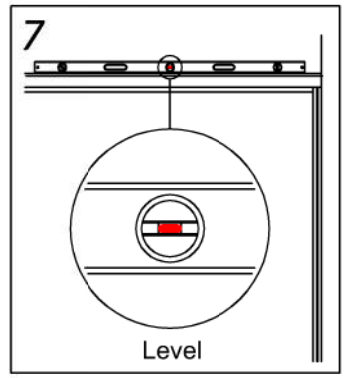
    COMPLETE STAGES 10 & 11 OF THE INSTALLATION MANUAL (IF APPLICABLE)

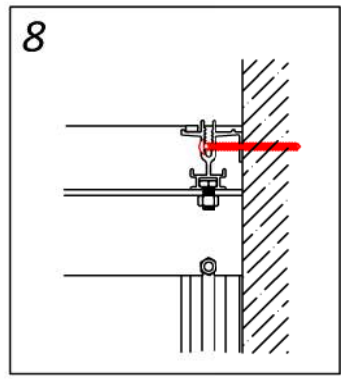
11. SECURE THE PURLINS (IF APPLICABLE) TO THE EXISTING BUILDING USING SUPPLIED LAG BOLTS OR ANCHORS

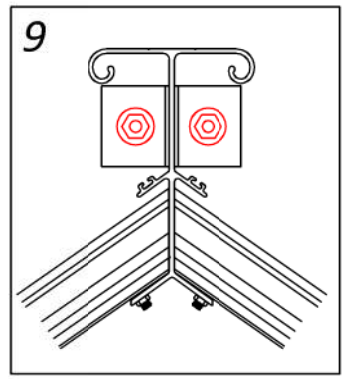


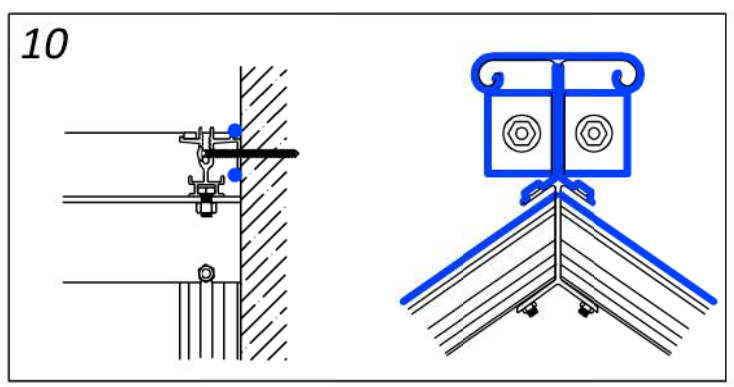


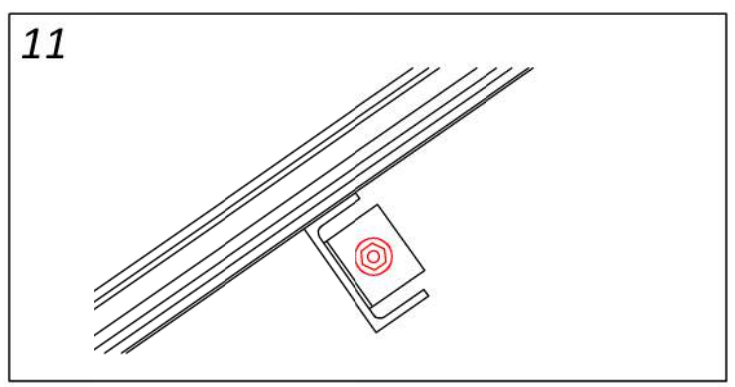

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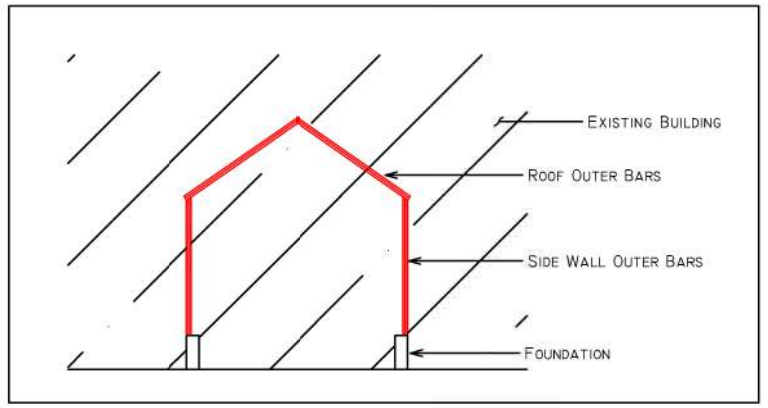


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CROSS COUNTRY GREENHOUSES
HOBBY AND CUSTOM

Should you have questions along the way with your greenhouse installation, please call our Technical Support line at 1-800-665-2124 or email info@greenhousestyle.com.

Join our Facebook page to share your success and ask gardening related questions. But most of all please tag us on Facebook @greenhousesgalore in photos! It's the best compliment you can give us.

From all of us at Greenhouse Style Corporation, we wish you many years of successful growing!


Greenhouse Style
CORPORATION

Toll Free: 1-800-665-2124

Fax: 1-888-273-1251

info@greenhousestyle.com

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