Janssens AluSystems

EXACO

www.exaco.com
877-760-8500
customerservice@exaco.com

One Kit - TWO OPTIONS!
Ground mount or place on 15.75" (40cm) high stem wall

Junior Orangerie/ EOS Junior T-Model ASSEMBLY MANUAL

VERSION 2025.1 Exaco Edits 4.25.25

Note: This is an all-inclusive manual, showing all optional accessories and customizations that may not apply to your greenhouse. Direct any questions to Exaco.

Assembly Videos can be found by scanning the code to the left with your smartphone.

Or find the link to our YouTube page at www.exaco.com.
Go to the Victorian Greenhouse Playlist for all videos.

HTTPS://JANSSENS-ALUSYSTEMS.BE/EN/DOWNLOADS

Need help? Questions?
Please call Exaco at 877-760-8500

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Thank you for purchasing a Janssens' Junior Victorian Greenhouse, imported and distributed in North America by Exaco in Austin, TX. Exaco will provide all the North American based customer support for you greenhouse. Please feel free to reach to Exaco customer service with any questions you may have during assembly!

Questions? Need Assembly Support?
Please call Exaco at 877-760-8500 or email customerservice@exaco.com.

Introduction

In this manual, you will find the assembly instructions for all basic/standard-model greenhouses. However, this manual also contains pages which apply to optional accessories that may not be included with your kit. Victorian greenhouse "kits" vary by retailer. Some retailers may bundle additional accessories with their greenhouses - please check your order closely so you understand which accessories your greenhouse includes before building. It is also very helpful to plan out where each of these additional accessories will go to determine if you need to insert bolts/hardware during the build.

This greenhouse is designed for cultivation of plants/flowers. Therefore leakage, water drops and condensation inside the building are allowed. The building may only be entered by competent persons during cultivation or maintenance. Painted aluminum profiles/extrusions are powder-coated for a durable finish. The rubber strips have been treated with oil/silicone on the interior to facilitate the assembly. The building should be mounted on a solid concrete foundation deep enough to get a solid and frost-free ground. Anchoring of the foundation is vital and should be checked periodically. During winter, the roof will need to be cleared of snow or supported in a suitable way (see additional notes in "Maintenance" section). The greenhouse should be built in a location protected from strong winds. Protective gear (such as gloves) should be used during assembly in order to avoid injuries. One should at all times pay attention to the local building regulations.

This Junior Victorian greenhouse has been engineered and manufactured in Belgium using the metric system. We strongly recommend having a metric or combination tape measure on hand during assembly. We have converted and added inches to the manual when feasible – however for the most accurate and precise measurements some do still remain in metric. Conversion of metric to inches results in unusual fractional increments or decimals that become difficult to measure on a standard US customary ruler/tape measure. Using the metric system keeps your measurements more precise. If you prefer to work only in inches, you may use a converter tool available in app stores for smart phones.

Basic Assembly Order of Greenhouse

- Preparing your site – must be level and accommodate anchoring of the structure (see section on "Foundation and Anchoring")
- Sorting of the profiles/extrusions according to the model/size of greenhouse. The aluminum profiles (extrusions) are identified by their cross-section and length. It is helpful to have a metric or combination tape measure for this.
- Assembly of the complete aluminum framework

- Leveling of the construction using a level
- Anchoring/securing of the greenhouse to the ground
- Glazing installation

Required/Recommend Tools

- Metric or Combination Measuring Tape (highly recommended)
- Socket wrench or spanner - 10mm (it is helpful to have multiple)
- Needlenose or other pliers (helpful when installing corner posts)
- Level
- Screwdrivers (Phillips and Flathead)
- Drill + bits
- Impact driver and 1/2" drill bit (useful to notch channel to insert missed bolts)
- Scissors (to cut the rubber)
- Stable Ladder at least 6' tall

Safety Considerations

- Glass safety
    - Store the tall pallets of glass on firm level surfaces ONLY.
    - Keep your glass pallet dry! Moisture can cause the panes of glass to stick together and may be difficult to separate.
    - Important! Please follow glazing removal instructions on the pallet for steps to safely remove glass panes from the pallet. Contact Exaco if you have not seen these steps!
    - Tempered glass is surprisingly strong. The corners are the most vulnerable – please be aware of the corners when handling and installing glass.
    - Use a quality glass suction cup when handling glass, gloves are recommended.
- Watch your step! Be sure ladders are securely placed before climbing them.

Helpful Suggestions

- Understand which greenhouse accessories you have and where they will be placed. There will be prompts throughout the manual to insert bolts during assembly for doors, window, shelves, shadecloth, misting system, etc.
- If you forget to add a bolt where one is needed, you may create an insertion point in the channel with a ½" drill bit and an impact driver. If possible, do it in a place that will be covered by the piece you will be attaching. We do also have hammerhead/T bolts available for purchase that may be added later.
- Look through the entire manual and watch the assembly video to help you prepare and understand the greenhouse assembly process.
- You may start with assembly of the doors and roof windows to help create familiarity with the materials and construction process and gives a head start when it comes to assembly time.
- **The stainless-steel hardware included with your greenhouse is preferred for damp greenhouse settings. This high-quality metal is malleable however, and the heads of the screws can be stripped or break if proper precautions are not taken. Set your driver (impact driver is preferred) to a low setting and hand tighten the screw at the end to avoid snapping the screw head.**

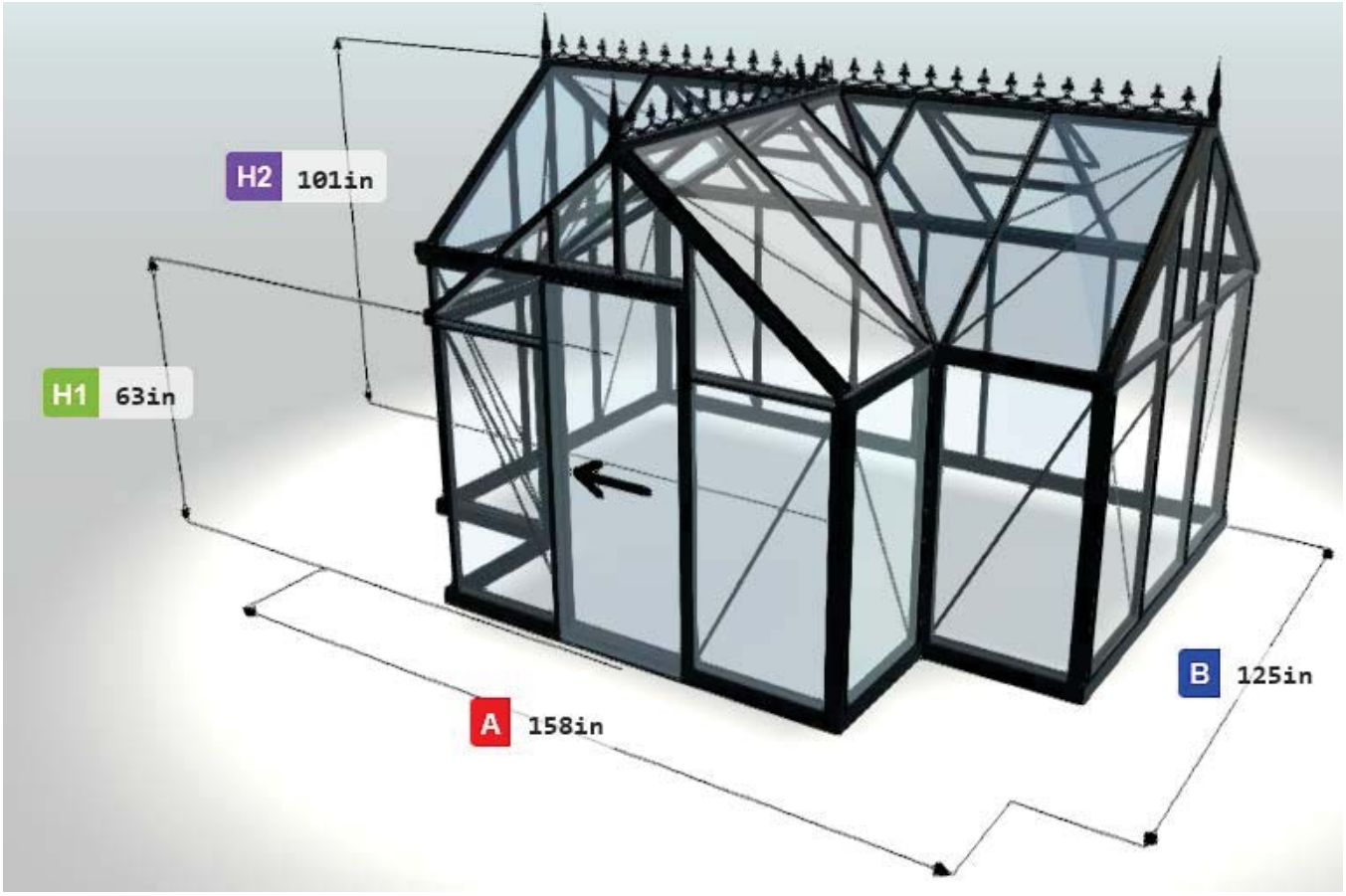
Please thoroughly read the email that was sent to you from Exaco customer service for additional addendums to the manual and other important information.

Refer to the Exaco YouTube Playlist for the Victorian Greenhouse for animated assembly videos as well as specific installation videos regarding your greenhouse. This playlist is also accessible via the QR code to the left.

Questions? Need Assembly Support?
Please call Exaco at 877-760-8500 or email customerservice@exaco.com.

The Standard Junior Victorian Orangerie (10'3" deep x 13' wide) - includes the following: foundation frame/base, single sliding door, and two roof vents with automatic openers.

***Please note that beginning spring of 2023, the Junior Orangerie Greenhouse Kit with include additional parts and glass that will allow you to place this kit on a 15.75" (40cm) high stem wall (see cover illustration).*



Door Options:

- **Sliding Doors:** The sliding door of the greenhouse hang/slide along the outside of the greenhouse and feature brush weatherstripping. A keyed lock attaches at the bottom of the door. For standard kits, the sliding door threshold will be the 4 ½" high base frame unless a low threshold kit (see below) is purchased. If you are building on a stem wall - please note special considerations for sliding doors on stem walls before building your stem wall.
- **Low Threshold Kits:** Standard greenhouse sliding doors will have the 4 ½" base frame as the threshold for the doorway. The upgrade to a low threshold kit requires cutting the base frame at the doorway to allow installation of a 1" high threshold to secure the sliding door guide and make walking in and out of the greenhouse easier. The premium low threshold kit now includes a full 4 sided frame for the door opening with lock at a more comfortable height.
- **Hinged Door:** This is a handsome upgrade, but is significantly more challenging. We recommend installation by a highly skilled handyman. The hinged door is time-consuming, requires adjustments, and special tools (such as a grinder) may be needed. The door is inset into the frame of the greenhouse and is further weatherproofed with rubber gaskets. The door features its own door jamb including low threshold and high-quality adjustable hinges for easier hanging. A traditional handle with a keyed lock will keep your greenhouse secure. A hinged door can be easier to work with if the greenhouse is placed on a stem wall. It is preferable to order a hinged door with the greenhouse as the hinged doors must be sent via freight truck and shipping costs can be prohibitive if shipped at a later date.

Windows

The roof vents allow hot air up at the ridge to escape. The roof vents are usually staggered and some place on both sides of the ridge beam. Occasionally, if there is prevailing wind from one direction, more windows may be placed on that side. We recommend the manual spindle opener be used for windows facing strong gusts of wind. The windows cannot be placed side by side. There are a variety of openers available for roof vent windows.

- **Roof Vent Openers**
    - Manual Stick openers - these will be packaged in every roof window kit. They are entry level openers that work on a peg/notch system. Not recommended for daily use but may be used to "lock down" the window if needed (auto openers must be disengaged or your piston will burst).
    - Manual Spindle openers - a high-quality stainless steel threaded rod to securely crank the window to desired open position with use of a removable long handle. These are heavy-duty and will hold up well to strong winds if needed.
    - Automatic Opener (Ventomax) - this opener utilizes a piston that is filled with oil that expands between 68 to 70 degrees. The oil pushes out the rod of the piston to open the window. When the piston is engaged, there is no manual control of the window. If there is rain when the temperature is above 68 in the greenhouse, it is likely that the roof vent will be open and rain will come in. During the cold months the pistons may be disengaged if heating the greenhouse.
- **Louver/Jalousie Side Wall Window (NOT STANDARD WITH A JUNIOR GREENHOUSE)**

    - Placed in a sidewall bay, often opposite the door for a cross breeze. If you order a louvered window for your Junior greenhouse, we send a lexan panel for the space underneath as it is not a standard glass size for us.
    - Comes with a manual opener installed or ian auto opener (Sesam Liberty) may be ordered.
    - If you are installing an exhaust fan, the louvered window with auto opener may act as your intake vent.
- **Push Out/Top Hang Side Wall Window** - optional upgrade (would ship with a lexan panel for underneath). It hangs from a hinge at the top and the bottom pushes out. An auto opener may be used.

Optional Accessories

There are a variety of optional accessories available, some of which are listed below. Some retailers may bundle a shadecloth/shelves with their greenhouse kits.

- Shadecloth - interior shade curtains hang from the gutters and ridge beam. Sliders installed in these channels allow the curtains to be pulled open/closed.
- Shelves
    - Seed tray/Seedbed – For Junior greenhouses, these fit along the 7’8” wall. The seed tray is 20” wide and has a 4” planting depth with a white polycarbonate bottom to allow for drainage. It is best to order at the same time as the greenhouse as it has to ship via freight truck due to the length.
    - Top Shelf - is 4” wide and it installs along the 7’8” wall of the greenhouse, either above the seed tray or on its own at your preferred height. It is best to order at the same time as the greenhouse as it has to ship via freight truck due to the length.
    - Slat shelves - extremely flexible in terms of height, usage, and all around placement. They are 59” long (across two sections of glass) and may be run end to end for a long stretch of shelving. They may also be centered across 3 panes of glass if desired. Slat design works well for holding pots/planters or it may be used for a work surface. These shelves may be shipped via FedEx or UPS.
        - 2 Slat Shelves - 9” wide x 59” long
        - 5 Slat Shelves - 21” wide x 59” long
- Fly Screens are a brand new addition from Janssens
    - Roof Window Fly Screen - easily installs into roof vent opening
    - Louver Window Fly Screen - clips onto outside of louvered window
    - Door Fly Screen – Is not compatible with Junior greenhouses
- Ventilation - An exhaust fan may be installed in the gable of the greenhouse to blow out the hottest air. Replace a glass pane with a lexan panel into which you can mount the fan (polycarbonate greenhouse panels may be cut to accommodate the fan). Many exhaust fans will use an external thermostat to control at what temperature it turns on and off. Place an exhaust fan opposite your louver window to create a cross breeze. For the most effective cross breeze, it is often recommended to close window vents to force airflow through your louver window.
- Heaters - see below “Heating the Greenhouse”

Placement of the Greenhouse

The placement of the greenhouse varies by intended usage, climate, location, and space available. There is a wealth of information to be found online on this subject, here are some considerations:

- Will your greenhouse be in full sun or get afternoon shade? Glass greenhouses do what they are intended to do - heat up quickly on sunny days. Great for the winter, but depending on your climate, it can be a challenge during summer months. Think about what you will be growing as well as the seasonal usage of your new greenhouse to determine appropriate sun exposure. It may help to watch the seasonal variations of sun angles in your yard to determine the placement.
- Depending on what you are growing and where you are located, you may wish to orient your greenhouse east/west or north/south - many garden bloggers have weighed in on this and research may help you consider the options. In many areas of the US, we do get plenty of hours of sunlight. Some users end up placing the greenhouse based on layout/space available, aesthetics and convenience.
- The site must be level. If it is not, you will need to prepare the area to provide a firm and level surface to construct your greenhouse. This may include building a retaining wall or placing your greenhouse on a stem wall - or just leveling out the site. Consider rainwater flow in your yard if you are in a hilly area.

Foundation and Anchoring

All greenhouses must be securely anchored. All Victorian greenhouses include corner brackets attached to the foundation/base frame that extend an additional 12” below ground level. The Junior Orangerie will include 8 corner anchors for every corner of the greenhouse. If you are in a very high wind area or are trying to meet the structural specifications for a permit - you may wish to purchase additional corner anchor posts (PRO210) for use at the vertical members.

The manufacturer recommends an 8” wide concrete strip foundation that extends down to the frostline in your area. Please consult your local building codes for this information. It is recommended to leave a 4” diameter hole at the corner for the anchors to be embedded in concrete after the greenhouse frame is assembled and it is confirmed to be level and square.

Alternatively, you may also choose to anchor the greenhouse by trimming the corner anchors off at ground level, cutting them in sections to be used as L brackets to secure the greenhouse frame to your anchoring surface with the appropriate hardware.

Some users have chosen a variety of alternative anchoring methods based on their climate, location, soil composition, and site considerations. These include full concrete slabs, concrete footers, pier and beam constructions, and even timbers. If you are considering the use of wood in your construction, be aware that your greenhouse will likely outlast your wood. If you use pressure treated wood, it is recommended to use a barrier material between the wood and the aluminum frame. When planning your anchoring method, you should keep in mind frost line/ground heaving, wind load, greenhouse location, ground composition, weather, climate, and local building code. If you are unsure, you should consult with a local and experienced builder. Warranty coverage does not extend to damage resulting from improper anchoring of the greenhouse outside of manufacturer’s recommendations (see above).

If a permit is needed in your area, we do have structural certification letters and permit sets for most of our greenhouses. They are Texas stamped. We may be able to obtain other state stamped documents, however if you need them specific to your state, we do not cover this expense. Please contact Exaco if structural documents are needed.

Flooring

The greenhouse does not include flooring material, allowing it to be customized to your needs and use. When planning your flooring, consider the intended use of the greenhouse, the plants that will be grown, drainage, heat sink benefits of the material, insulation, weed blocking, as well as aesthetics. If you use a natural flooring option - consider including a weed barrier. Here are a variety flooring options to consider:

- Soil - this is a great option if you have fertile soil and wish to plant directly into the ground. This can be used in combination with other options below.
- Pea gravel, crushed stone, etc. - provides natural drainage and some crushed rocks help with weed control
- Pavers and bricks - A very nice looking option with natural drainage capabilities. May also be used for paths in combination with in ground planting areas.
- Wood - Looks very nice, but requires more maintenance. Keep in mind that the wood may deteriorate before the greenhouse lifespan is over.
- Full concrete slab - This can double as your anchoring surface as well. Keep in mind that greenhouses can be wet environments so texture and drainage need to be considered.
- Tiling - this can be a beautiful option as well. If your greenhouse is a functioning greenhouse, consider water drainage. Tile may get very slippery when wet.

Water and Electricity

You may choose to bring water and electricity into your greenhouse. If possible, it is recommended to plan for this ahead of time so that you can plumb/wire underneath the base frame of the greenhouse. Generally users will bring electricity under the frame at the most convenient location and then attach conduit to the frame of the greenhouse to the desired location. Custom matched spray paint is available if needed.

The irrigation/misting system (included with Royal Victorians) may be directly plumbed or attached to a hose with a hose clamp (available at garden stores). The hookup end of the irrigation pipe will be at one of the gable ends, near the ridge. It is helpful to purchase a hose timer so watering can be automated.

Ventilation and Cooling of Greenhouse

Glass greenhouses are effective at heating up quickly on summer days. If you discover your greenhouse is becoming warmer than you desire, here are some options for cooling.

- Shadecloth - Janssens makes an interior shadecloth system
- Exhaust Fan - recommended to be installed in the gable of the greenhouse to blow out the hottest air. Replace a glass pane with a lexan panel into which you can mount the fan. Many

exhaust fans will use an external thermostat to control at what temperature it turns on and off. Place the exhaust fan opposite your louver window to create a cross breeze. For the most effective cross breeze, it is often recommended to close window vents to force airflow through your louver window.

- Misting System - in dry environments, a misting system turning on at the hottest point of the day can cool a greenhouse up to 15 degrees.
- Tinting - Aftermarket tinting may be applied to the glass panes
- Whitewash - available from some greenhouse retailers, this can be washed off when the hot season is over.
- Exterior shade cloth - an exterior shade cloth, though not as beautiful, can be highly effective. An aluminet shade cloth is a metallic woven shade cloth that goes up and over the outside of the greenhouse. The metallic surface reflects the heat of the sun's rays before they get inside the greenhouse, while also providing shade.

Heating the greenhouse

Although the greenhouse heats up quickly during sunny days, you will likely find you will need to provide supplemental heat during cold winter nights and cold cloudy days.

- Heaters - electrical, propane and wood stoves have all been used. Be sure to properly vent according to manufacturer instructions. Find a BTU calculator online to determine how powerful a heater you need. This is based on a variety of factors including greenhouse material, size, location/climate, low temperatures and desired goal temperature.
- Heat Sink - The more mass you have inside your greenhouse, the more heat can be absorbed during the warm day to release at night. This can help mitigate huge temperature swings during light frost, but can also reduce your heating costs. Easy ways to add mass that can retain heat are raised beds, a large dark water tank, or organic material. There is much information online about planning/designing more in depth heat sinks in your greenhouse - including flooring choices.
- Resources on insulated floors and geothermal heat can be found on many garden blogs.

Can I Use My Greenhouse as an Additional Living Space?

- These structures are designed to be a greenhouse first and foremost. As packaged, the greenhouse is not designed to be water/air tight. Greenhouse plants do benefit from a turn of air. You will need to do some extra sealing with silicone on the roof around the glass to achieve watertightness.
- We recommend any furniture be indoor/outdoor and that fine wood furniture/electronics be avoided or sufficiently protected.
- The glass is single pane, so there is a good chance for condensation on the inside that might drip. The roof windows do have auto openers, so it is likely the roof vents will be open during a rainstorm if the temperature in the greenhouse is above 68 degrees. You can switch to all manual openers if preferred.
- On sunny days, glass greenhouses can get warm very quickly. Depending on your climate, you will likely be fighting the heat in the summer (late spring/early fall).

It has been done, but you will need to make customized adjustments such as extra sealing, climate control, window tinting and heating. Indoor/outdoor furnishings are strongly recommended. Exaco will not be held responsible for any damages.

Maintenance of Greenhouse

The following will help keep your greenhouse in tip top shape:

- **WINTER/SNOW/ICE CONSIDERATIONS:**
    - The roof will need to be cleared of snow, this removes weight from the roof and also allows the sun to shine in and heat your greenhouse
    - Heating your greenhouse may also help some of the snow melt/slide off to assist in keeping the roof clear. If you are heating the greenhouse, you may wish to disengage your pistons so the roof vents do not open.
    - If you are expecting heavy snowfall that you will not be able to clear in a timely manner, we recommend bracing your ridge beam with a 2x4 in the center to help support the weight. Snow should still be cleared as soon as it is possible.
    - If you are in an area that routinely gets significant snow there are some options to strengthen and support your greenhouse:
        - Install self-tapping screws in addition to the bolts where the rafters meet the ridge beam and the gutters (noted in assembly manual).
        - Purchase extra spandrels/snow supports for your greenhouse for the ridge and gutters.
        - Add a stainless steel cable with a turnbuckle connecting opposite sidewalls/spandrels to prevent the sidewalls from bowing out if there is excessive weight on the roof.
- Pistons and openers - Several times each year oil your piston rods, threading, and moving parts of your openers. You may use WD40 or even olive oil. If your pistons stop opening your windows, you likely need to oil them to loosen them up.
- Glass Maintenance
    - Cleaning Glass - use a gentle cleaner, such as Palmolive dish soap with a soft cloth. A squeegee with a long handle is helpful as well. Distilled white vinegar can be used to remove hard water spotting.
    - Replacement Glass - if you need to replace a piece of broken glass, please refer to the glass spec sheet in this manual. Replacement panes of 3/16” standard tempered safety glass should be ordered from a local glass shop. Exaco will not ship large pieces of glass, locally ordered replacement panes of standard tempered safety glass will match the original panes.
- Polycarbonate Cleaning - use a gentle cleaner, such as Palmolive dish soap with a soft cloth.

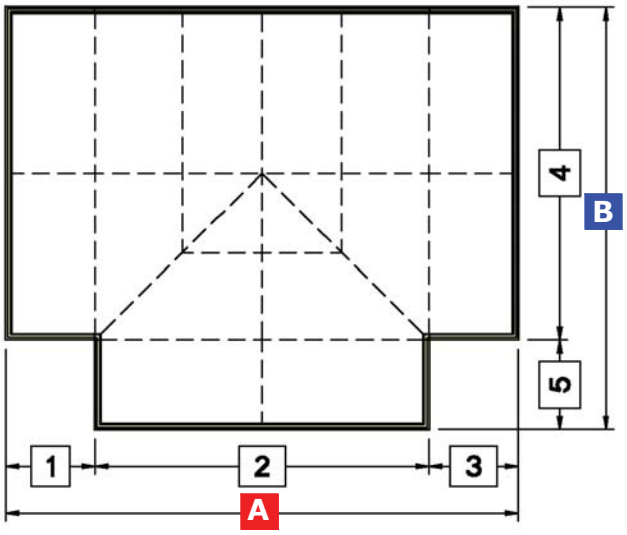
Questions? Need Assembly Support?
Please call Exaco at 877-760-8500 or email customerservice@exaco.com.

Junior Orangerie Foundation (Ground Mount)

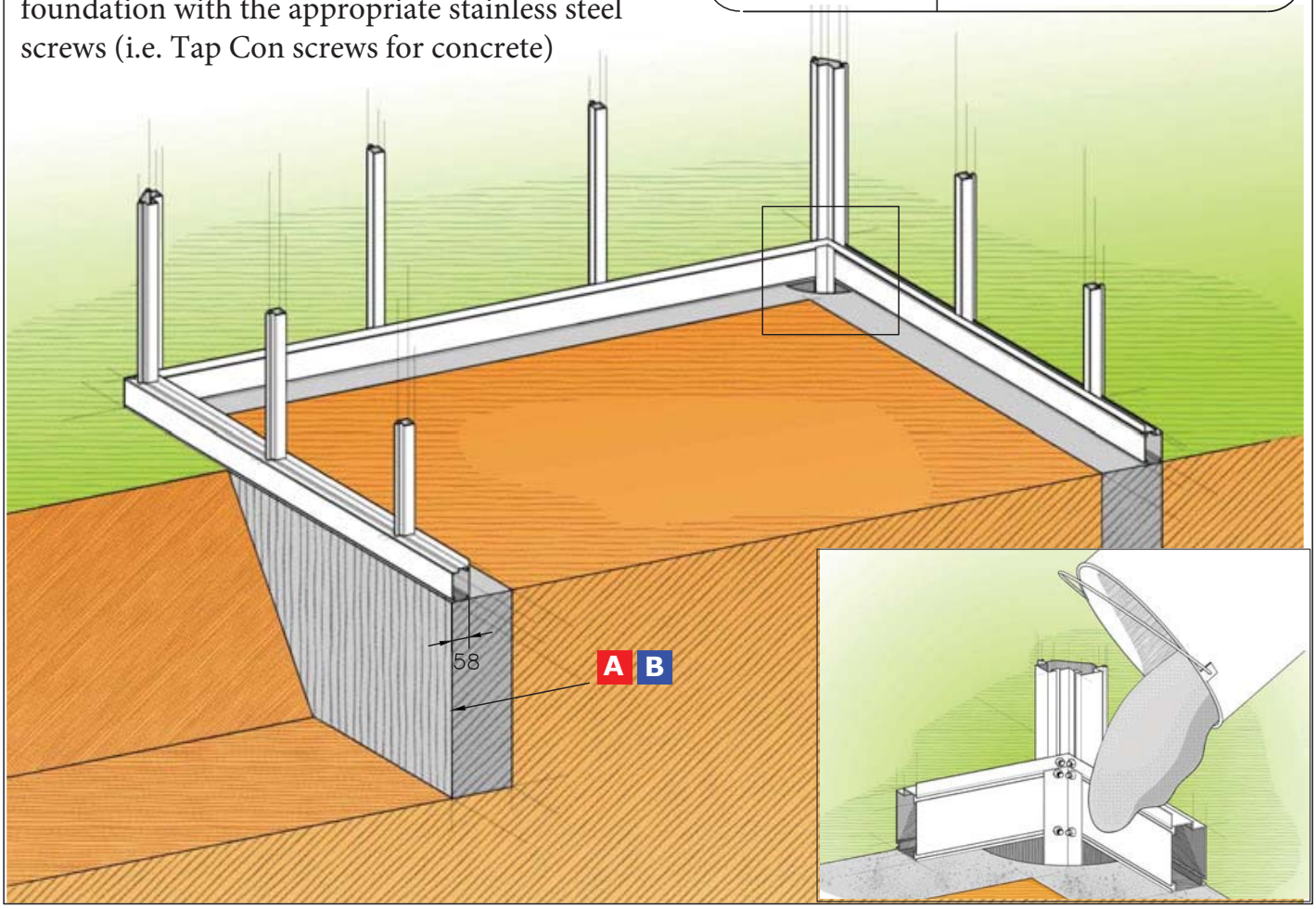
(if you are mounting on a stem wall please see next page)

- Do not set anchors in concrete until the entire greenhouse frame is complete, level and square. You will need some play to attach the uprights.
- It is recommended to build your foundation down to the frost line in your area and/or consult a local contractor for recommendations.

- Greenhouse base frame is 2.25"wide
- Corner anchor posts are 1.5" x 1.5". They attach at the interior corners of the base frame, then extend 12" below ground. Bolts attach to the bottom of the anchor to be a "catch" in the concrete. We recommend leaving a 4 to 6" hole in your concrete for the anchor. Do not embed the corner anchors into concrete until the greenhouse structure is built, leveled and square.
- Embedding the corner anchor into concrete is the most secure method, although you may choose to trim them off, cut in half, and use as L brackets to attach to the greenhouse and foundation with the appropriate stainless steel screws (i.e. Tap Con screws for concrete)



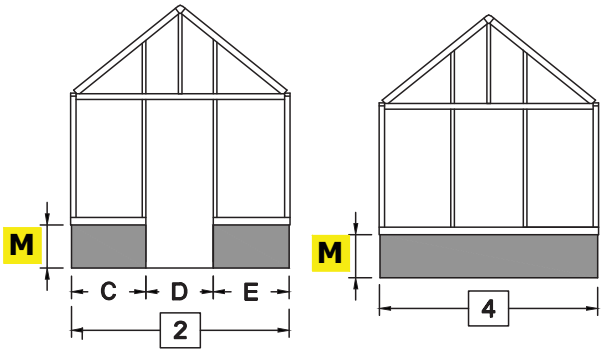
A = 4018 mm 158.19"	1 829mm / 32.6" 2 2360mm / 92.9" 3 829mm / 32.6"
B = 3189 mm 125.55"	4 2360mm / 92.9" 5 829mm / 32.6"

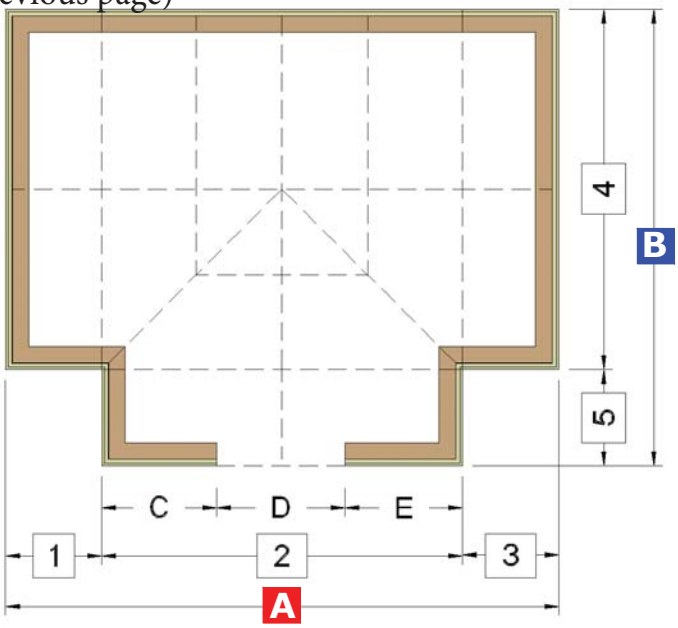


Junior Orangerie on 15.75" (40cm) Stem Wall

(if you are mounting to the ground -please see previous page)

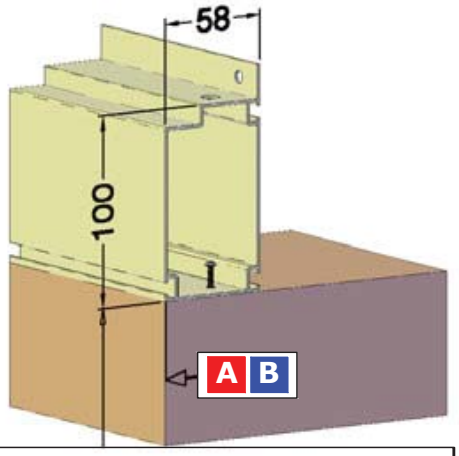
WHEN BUILDING YOUR STEM WALL - THE EXTERIOR DIMENSIONS OF THE STEM WALL MUST MATCH THE EXTERIOR DIMENSIONS IN THE TABLE BELOW OR YOUR DOOR WILL NOT FUNCTION PROPERLY.



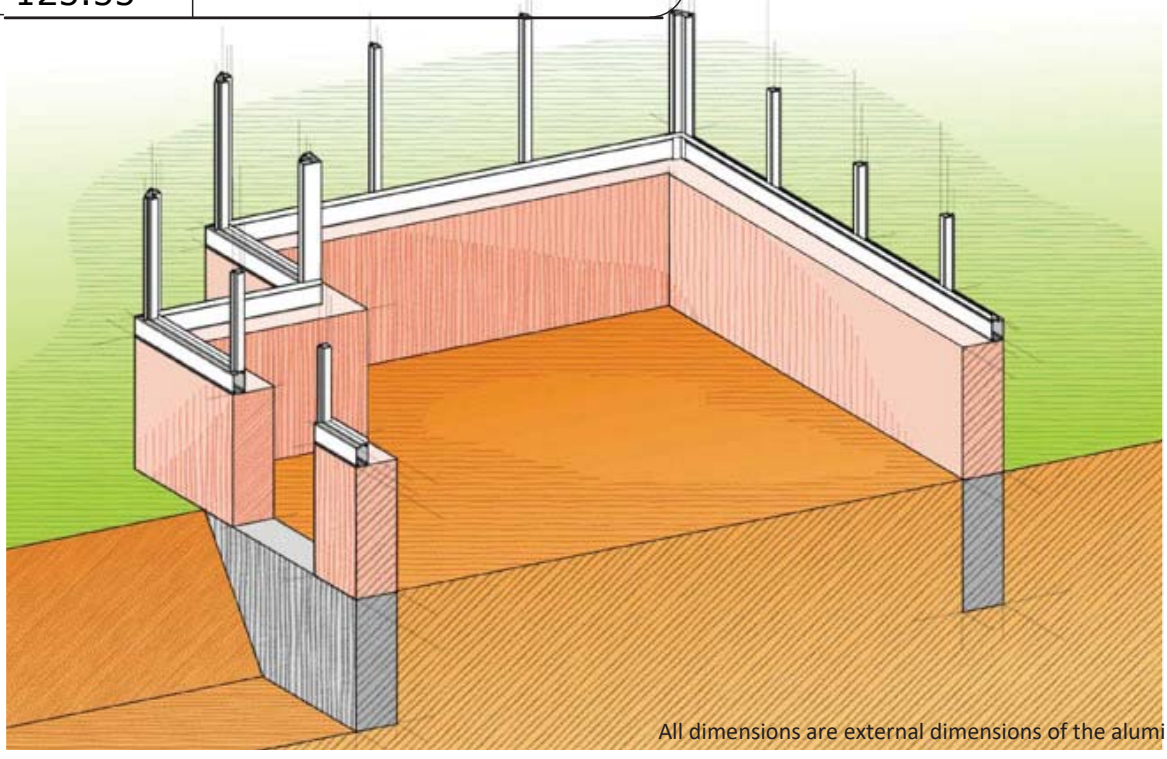


M = stem/knee wall height of 15.75"

A = 4018 mm 158.19"	1 829mm / 32.6" 2 2360mm **C** = 829mm / 32.6" **D** = 703mm / 27.67" **E** = 829mm / 32.6" 3 829mm / 32.6"
B = 3189 mm 125.55"	4 2360mm / 92.9" 5 829mm / 32.6"



M 400 mm or 15.75"

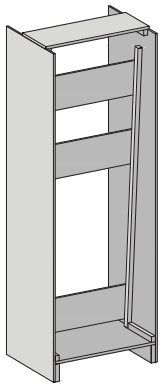


All dimensions are external dimensions of the aluminum profiles!!

PACKING LIST
Junior Orangerie / "EOS JUNIOR T"

STANDING PALLET

WEIGHT: 510 kg
DIMENSIONS: 800 x 900 x 2200 mm



NOTE: The pallet has parts/pieces packed in front AND in a cubby behind the glass.

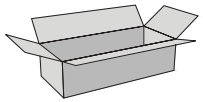
ITEM		PC
DAKR_HEL (roof window)	2 pc	
PRO6578 corner profile	1430 mm	6 pc
PRO40633 inner corner profile	1430 mm	2 pc
PRO6918 endbar roof	1430 mm	6 pc
PRO1456 glazing bar roof/sidewall	1430 mm	18 pc
PRO10980 round tube Ø40 (downspouts)	1500 mm	4 pc
PRO1748 rubber 12,5m/rol		7 pc
TRE wind bracings sides	1614 mm	16 pc
ZAKJE_SILICONEN (silicone/spacers)	1 pc	
ESD_183_ZS (sliding door)	1 pc	
decorations spandrel supports	9 pc	
ridge decoration (box) (optional)	2 pc	

ITEM		PC
PRO6120 foundation profile	829 mm	2 pc
PRO6120 foundation profile	829 mm	2 pc
PRO20779 gutter profile	829 mm L	2 pc
PRO20779 gutter profile	829 mm R	2 pc
NOKSTUK_EOS T-connector for ridge beam		1 pc
K 30X30 tube 30x30x2 mm gutter connector for back wall	1490 mm	1 pc
U 30x30x30x2 gutter connector for back wall	1490 mm	1 pc

POSITION	GLAS DIMENSIONS	PC
door	730 x 1850 mm	1 pc
gables + roof	730 x 1450 mm	22 pc
special-size	450 x 1450 mm	4 pc
triangle E3	361 x 520 x 290 mm (*70)	2 pc
triangle E1	730 x 680 x 85 mm	6 pc
triangle E2	361 x 910 x 690 (*70)	6 pc
roofwindow	730 x 825 mm	2 pc
underneed roofwindow	730 x 625 mm	2 pc
special triangle ET1	430 x 552 x 1 mm	4 pc
special triangle ET2	730 x 1440 x 555 mm (*35)	4 pc

COLLI A JUNIOR

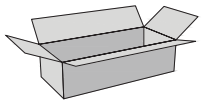
WEIGHT: 22 kg
DIMENSIONS: 240 x 120 x 2600 mm



ITEM		PC
PRO6120 foundation profile	2360mm	2 pc
PRO20229 horizontal gable prof.	2244 mm	1 pc
PRO20229 horizontal gable prof.	768mm L	1 pc
PRO20229 horizontal gable prof.	768mm R	1 pc
PRO20229 horizontal gable prof.	768mm L+R	1 pc
L 40x40 GATFUND (corner anchors)	400 mm	4 pc
PRO1456 glazing bar	918 mm	2 pc
PRO1456 glazing bar	672 mm L	1 pc
PRO1456 glazing bar	672 mm R	1 pc
PRO1456 glazing bar	520 mm	1 pc
PRO1456 glazing bar	2130 mm L	1 pc
PRO1456 glazing bar	2130 mm R	1 pc
TRE wind bracings sides	2065 mm	2 pc
SAPAK_EOS Mixed hardware: small black gable caps, corner anchor bolts (M6x50) and nuts, gable L brackets (L2G)		1 pc

COLLI B EOS T

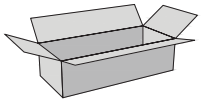
WEIGHT: 25 kg
DIMENSIONS: 240 x 120 x 2250 mm



ITEM		PC
PRO6120 foundation profile	2010 mm L	1 pc
PRO6120 foundation profile	2010 mm R	1 pc
PRO20779 gutter profile	2010 mm L	1 pc
PRO20779 gutter profile	2010 mm R	1 pc
PRO40091 ridge profile	1918 mm	3 pc

COLLI A EOS T

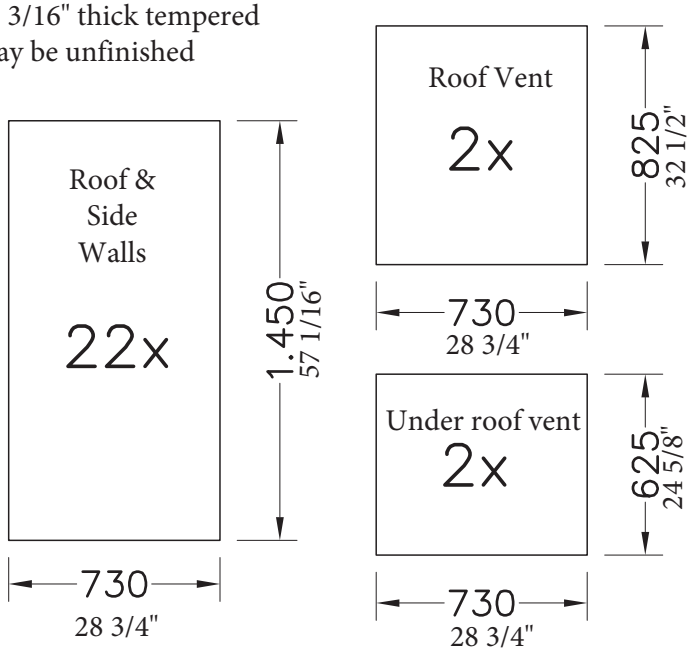
WEIGHT: 21 kg
DIMENSIONS: 240 x 120 x 2600 mm



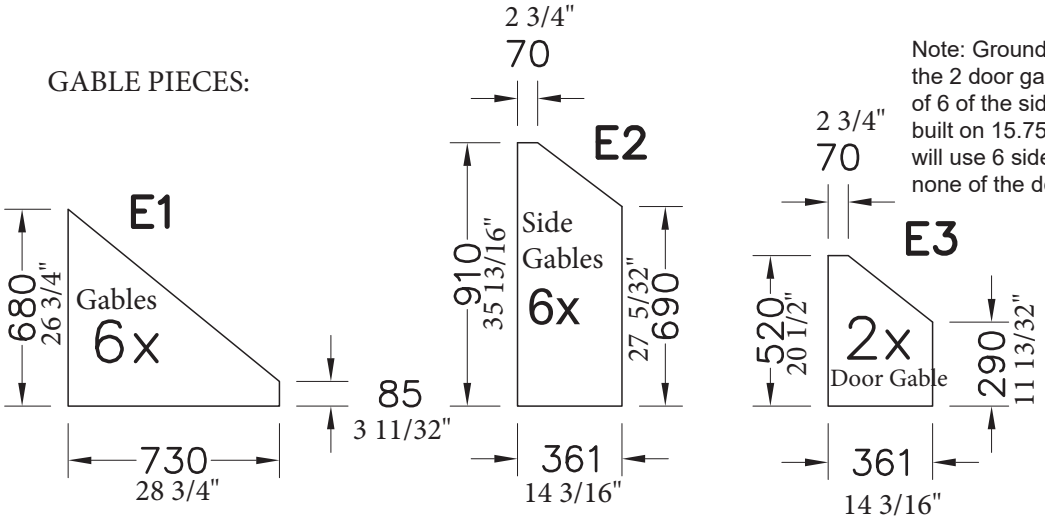
ITEM		PC
PRO1456 glazing bar	918 mm	1 pc
PRO1456 glazing bar	672 mm L	1 pc
PRO1456 glazing bar	672 mm R	1 pc
PRO1456 glazing bar	555 mm L	2 pc
PRO1456 glazing bar	555 mm R	2 pc
PRO41942 valley roofbeem	1805 mm	2 pc
PRO6120 foundation profile	2360mm	1 pc
PRO20229 horizontal gable pr of.	2244 mm	1 pc
L 40x40 GATFUND (corner anchors)	400 mm	4 pc
PRO2290 heavy rubber 5 m		1 pc
SAPAK EOS Mixed hardware: small black gable caps, corner anchor bolts (M6x50) and nuts, gable L brackets (L2G)		1 pc
ZAK_TMODEL		1 pc
ZAK_BOUT Assembly Bolts 12mm/Nuts/ Nut Caps		3 pc

GLASS–SET EOS JUNIOR T

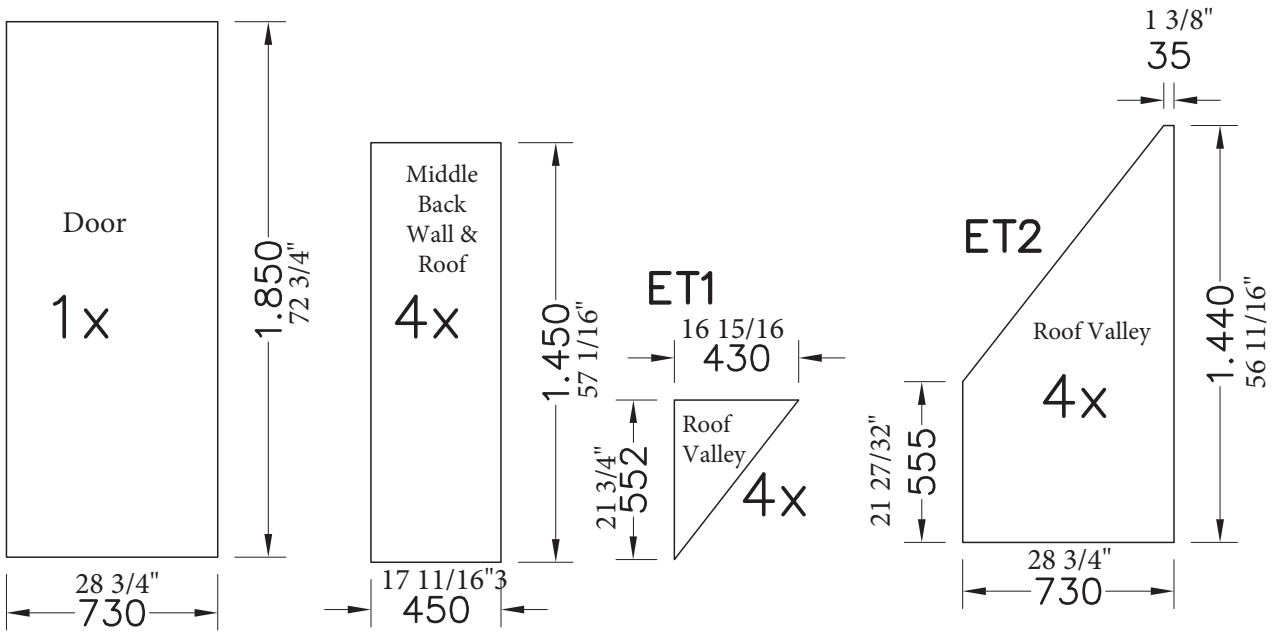
Replacement glass should be 3/16" thick tempered safety glass, no tint, edges may be unfinished



GABLE PIECES:



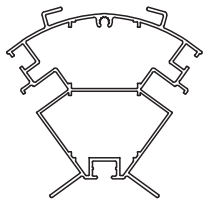
Note: Ground mount models will use the 2 door gable pieces and only 4 of 6 of the side gable pcs. Models built on 15.75" high stem/knee wall will use 6 side gable pieces and none of the door gable pieces.



Alle tekeningen zijn steeds buitenaanzicht – Alle afmetingen in mm.

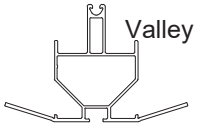
Junior Orangerie Kit Diagram

when mounted on the ground



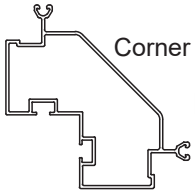
Ridge Beam Profile

PRO40091



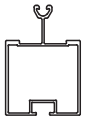
Valley Roof Beam

PRO41942



Corner Post

PRO6578

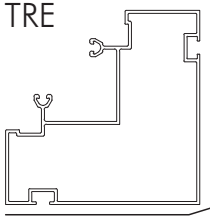


Glazing bar roof and wall

PRO1456

Wind Brace

TRE

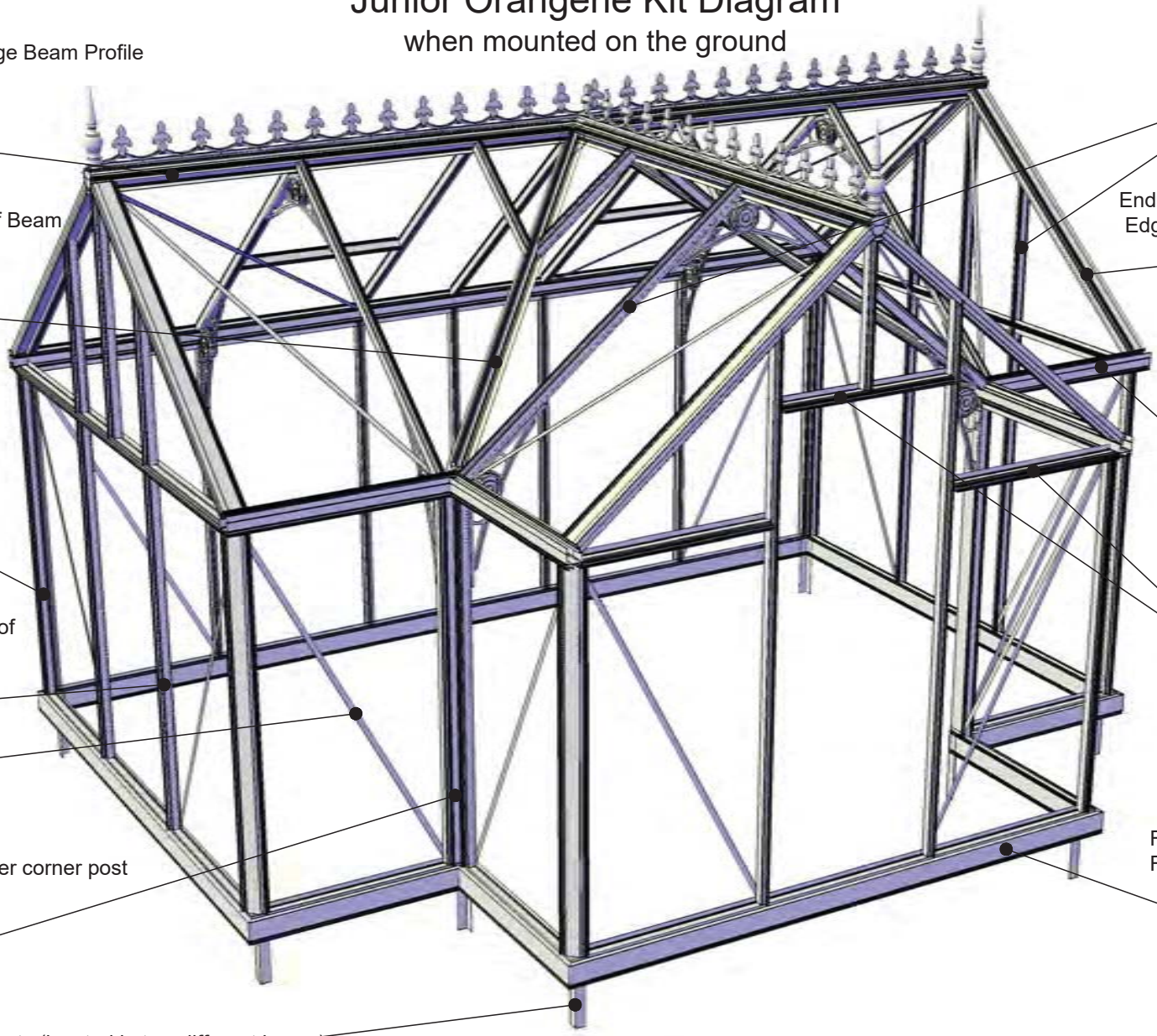


Inner corner post

PRO40633

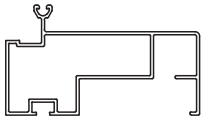
Corner anchor posts (located in two different boxes)

PRO210



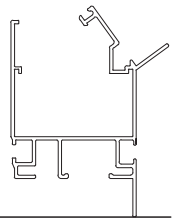
Glazing bar roof and wall

PRO1456



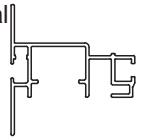
Endbar roof/ Edge Rafter

PRO6918



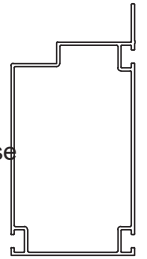
Gutter profile

PRO20779



Horizontal Gable profile

PRO20229



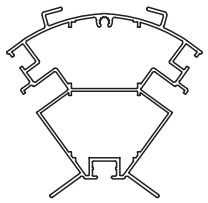
Foundation/Base Frame

PRO6120

JUNIOR T

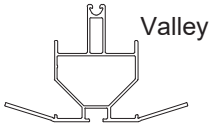
Junior Orangerie Kit Diagram

when mounted on a 15.75" (40cm) high stem wall



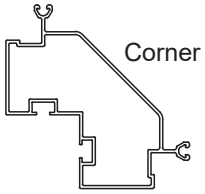
Ridge Beam Profile

PRO40091



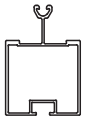
Valley Roof Beam

PRO41942



Corner Post

PRO6578

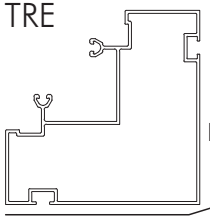


Glazing bar roof and wall

PRO1456

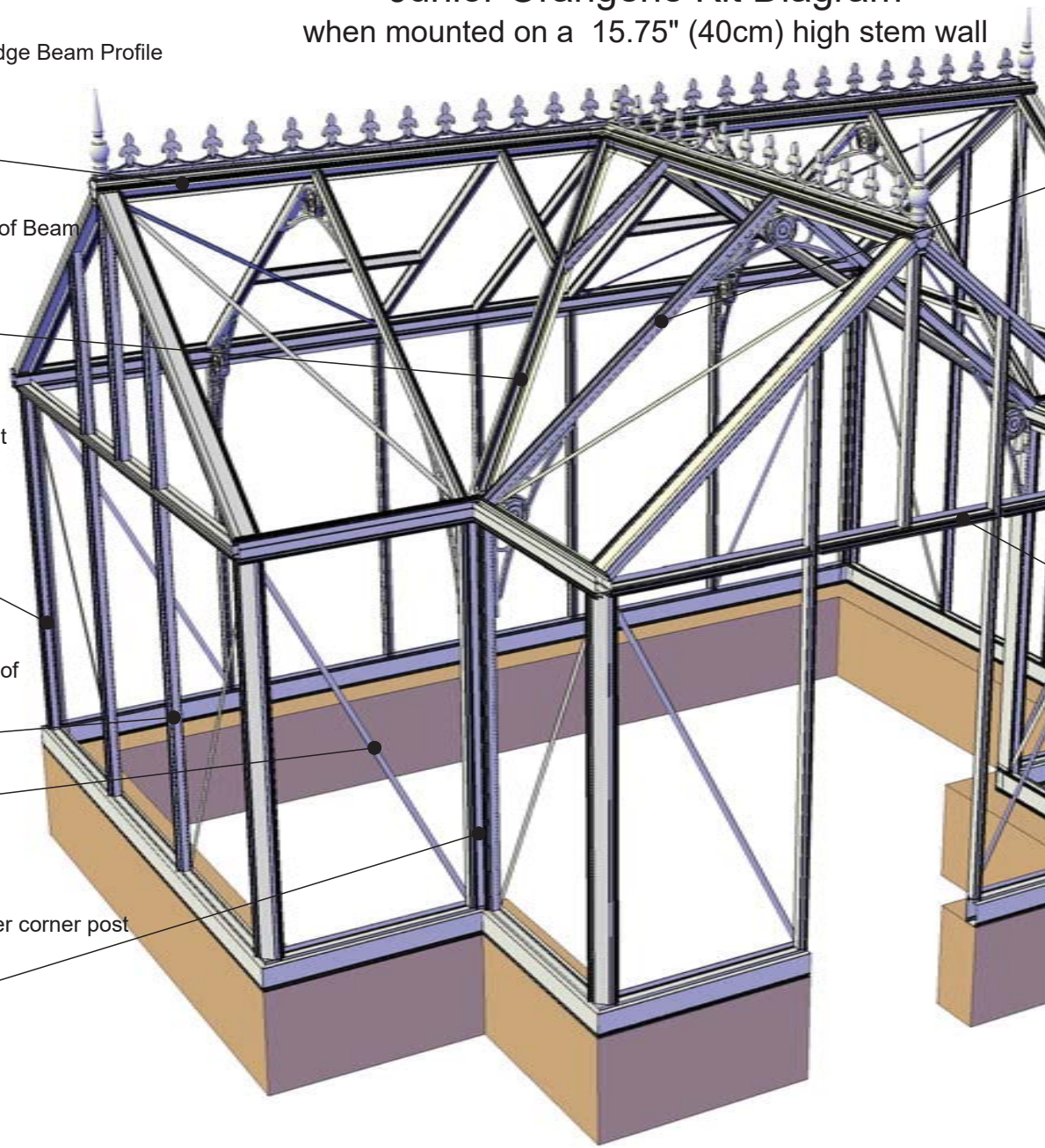
Wind Brace

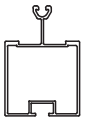
TRE



Inner corner post

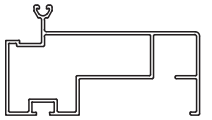
PRO40633





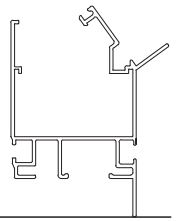
Glazing bar roof and wall

PRO1456



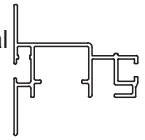
Endbar roof/ Edge Rafter

PRO6918



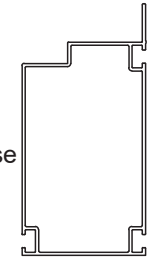
Gutter Profile

PRO20779



Horizontal Gable Profile

PRO20229

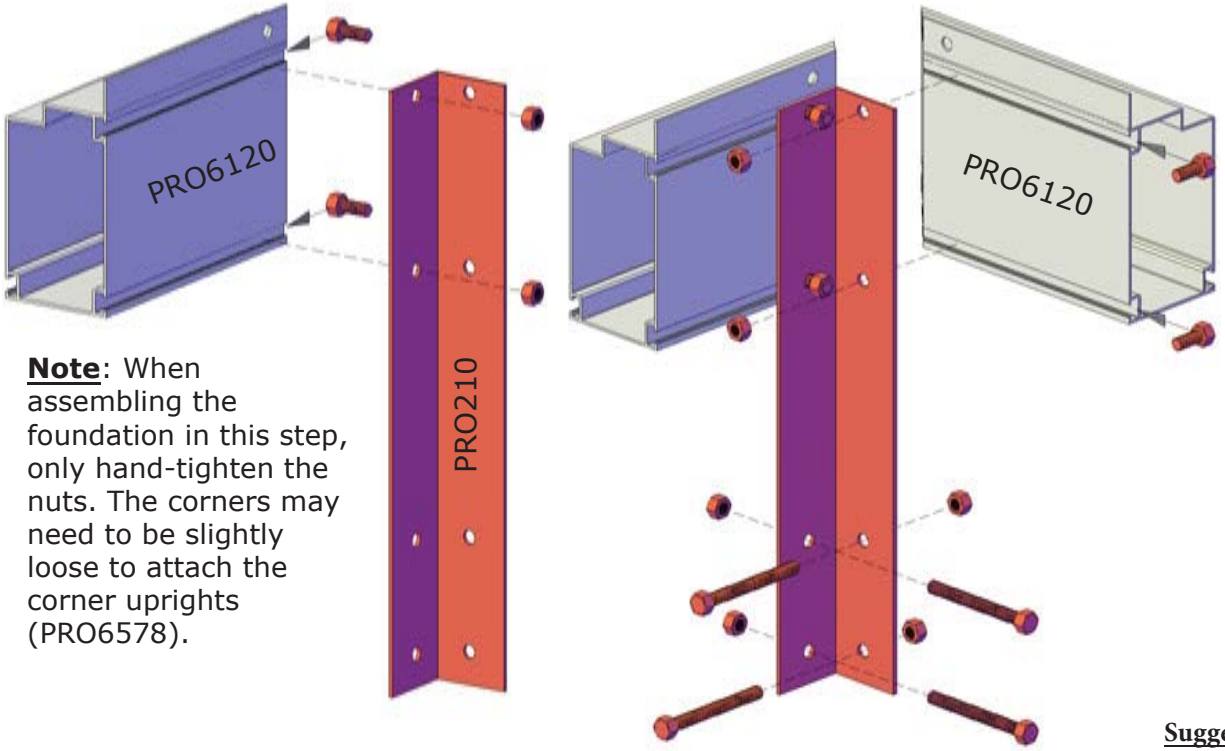


Foundation/Base Frame

PRO6120

JUNIOR T M4

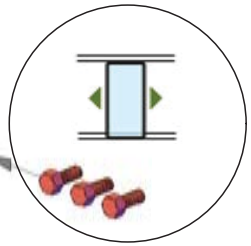
M6x12 Bolts

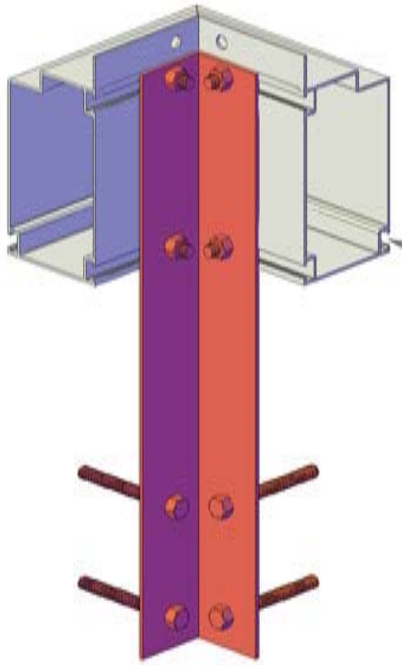


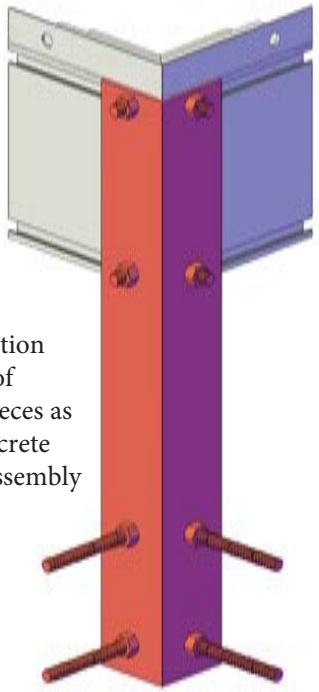
Note: When assembling the foundation in this step, only hand-tighten the nuts. The corners may need to be slightly loose to attach the corner uprights (PRO6578).

M6x50

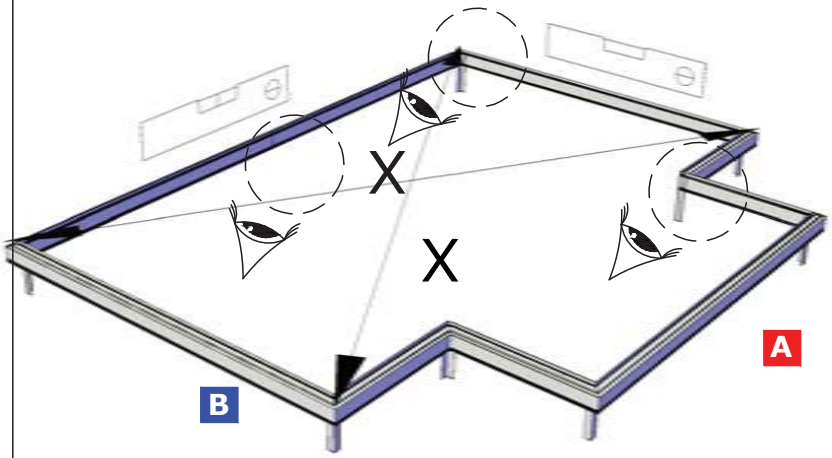
Before attaching, insert 3 M6x12 bolts as shown for the sliding door guide.

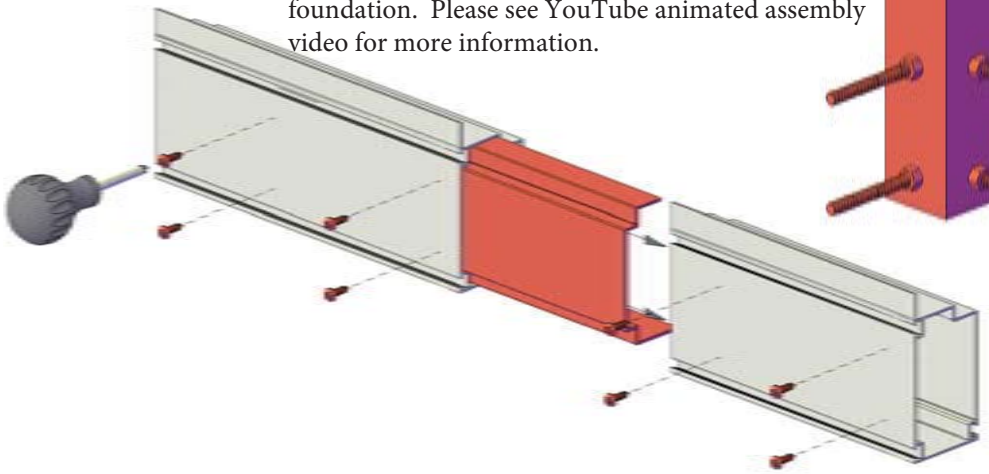




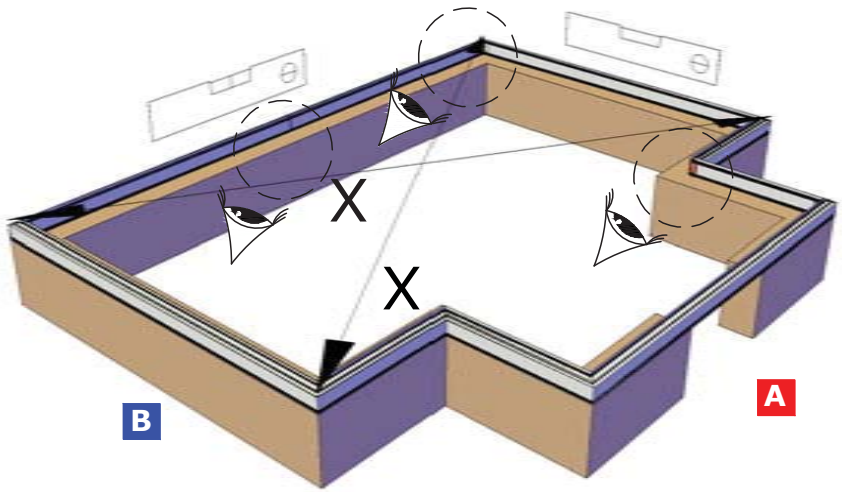


Suggestion: If installed on a concrete foundation you may cut PRO210 flush with the bottom of PRO6120. To anchor, use cut off PRO210 pieces as L-brackets to secure the PRO6120 to the concrete foundation. Please see YouTube animated assembly video for more information.

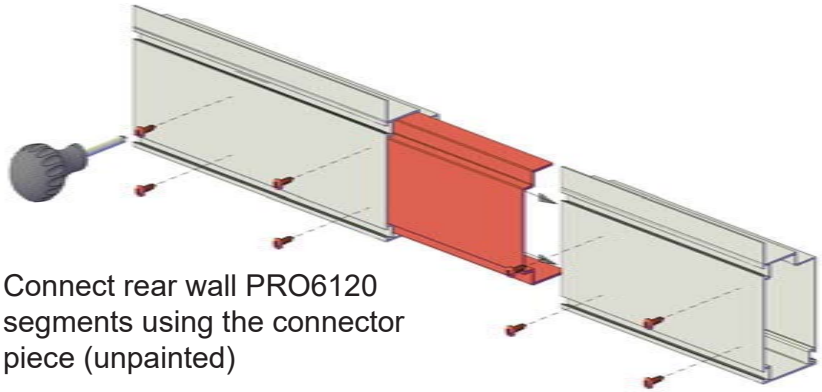




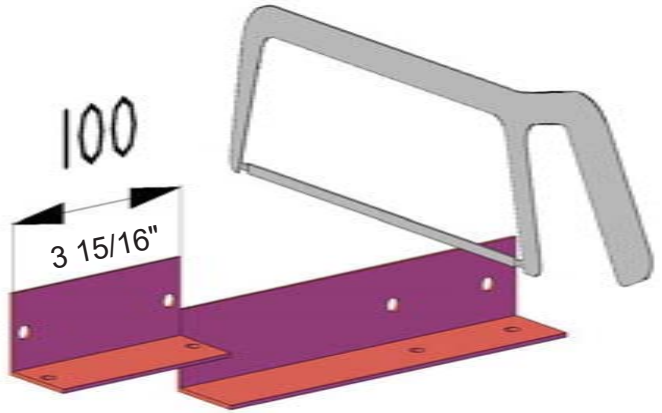
THIS PAGE ONLY APPLIES IF MOUNTING ON A STEM WALL



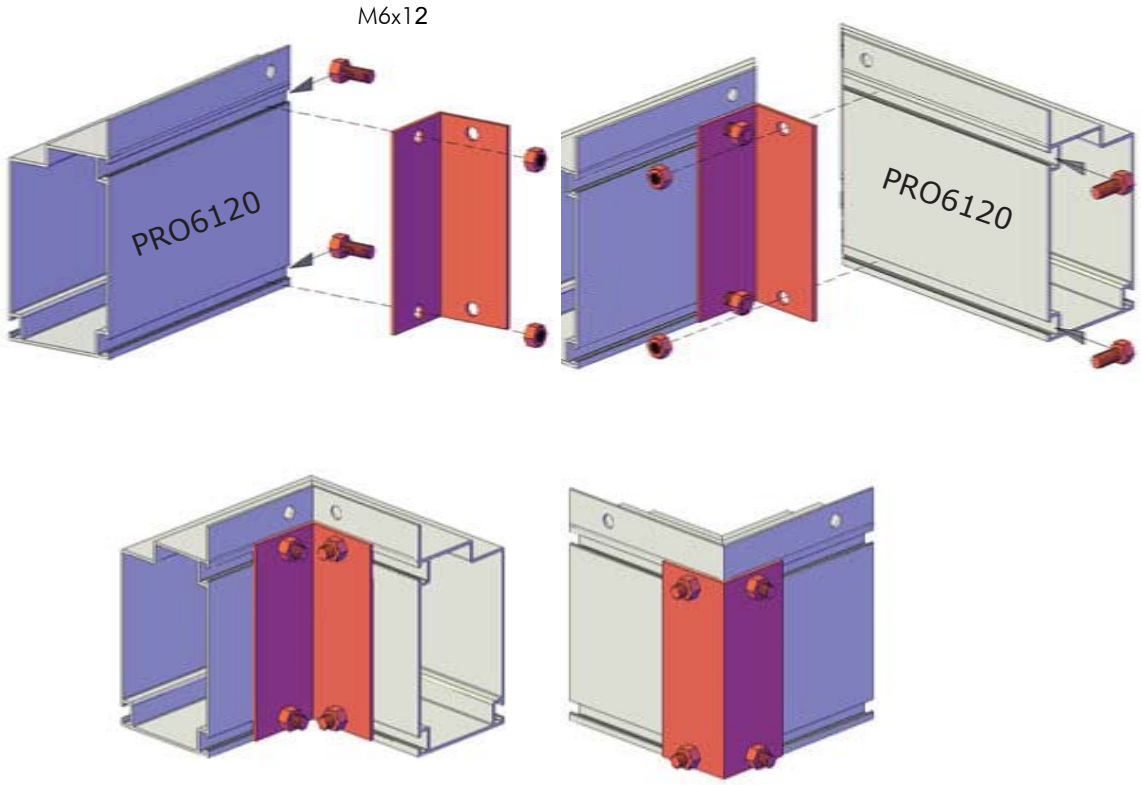
Note the following in the above diagram:
1. Connect rear wall segments
2. Connect corners of foundation frame (PRO6120)
3. Ensure you frame is level and square. Measure your diagonals to check for square.



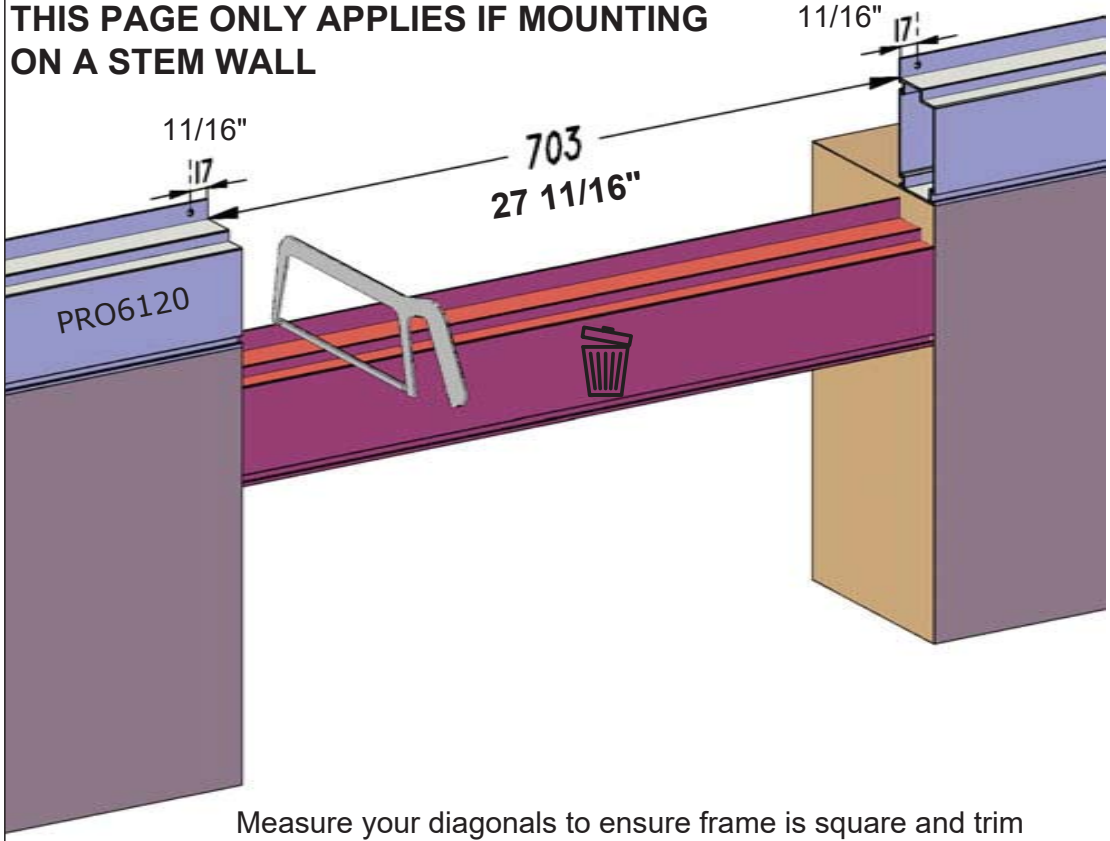
Connect rear wall PRO6120 segments using the connector piece (unpainted)



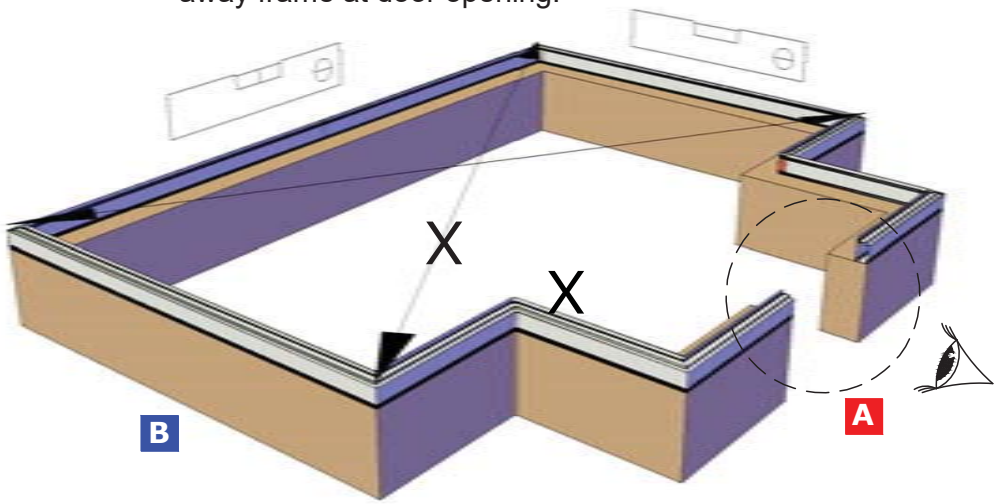
Trim PRO210 (corner anchors) as shown to secure your foundtion frame (PRO6120) corners together. You may choose to cut the "scrap" into L brackets to attach the foundation frame to you wall. This is an alternative method to the anchoring you see on the following page.



THIS PAGE ONLY APPLIES IF MOUNTING ON A STEM WALL



Measure your diagonals to ensure frame is square and trim away frame at door opening.



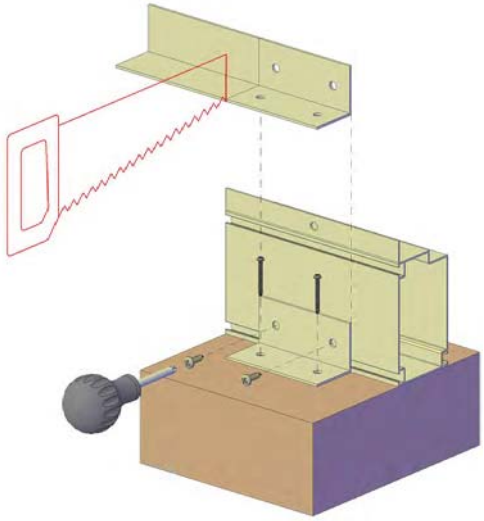
ANCHORING TO YOUR WALL:

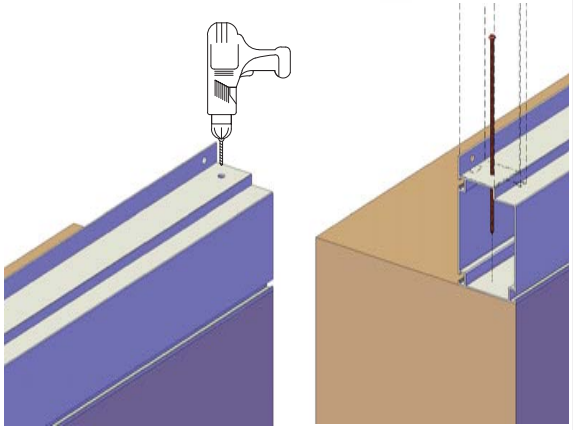
We recommend building the skeleton of your greenhouse prior to anchoring if possible. The attachment of the corner posts can be challenging and it may help to have a bit of play while assembling.You have several options to anchor your greenhouse to the wall:

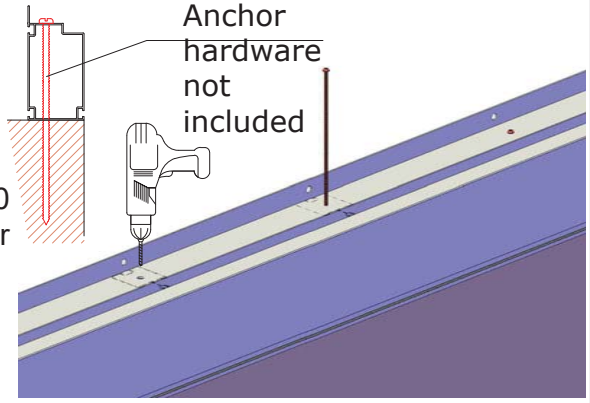
1)Trim PRO210 to form L brackets, then use self tapping screws into the greenhouse frame and concrete screws/bolts into your wall.

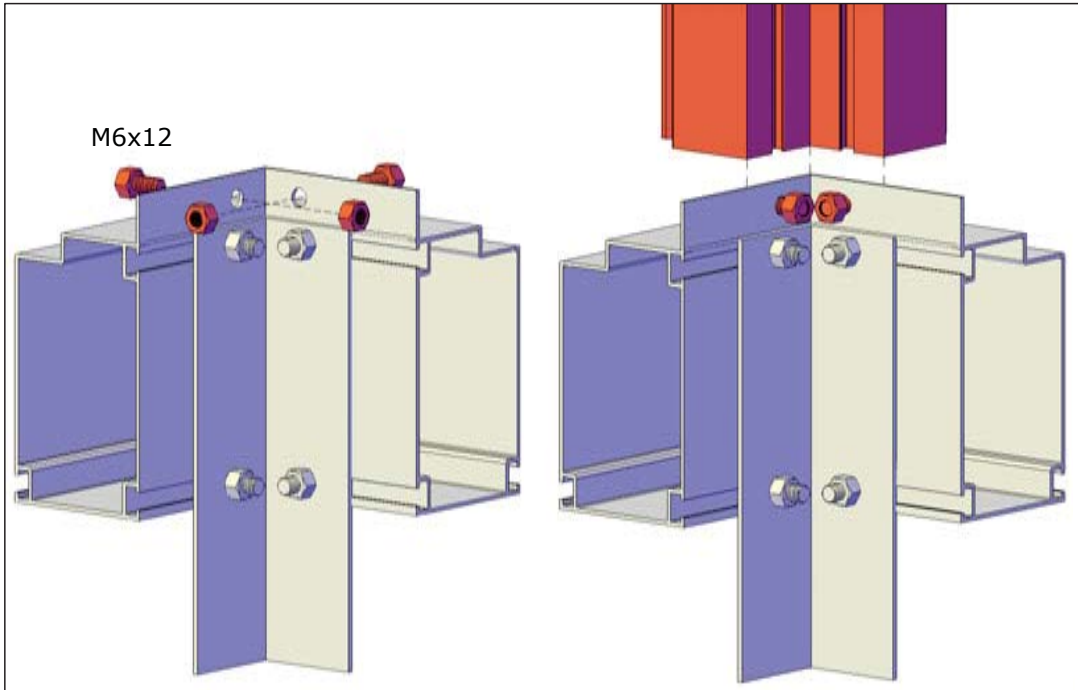
2) Drill access holes as shown to the bottom right. Be sure to line these up with the holes in the vertical flange so they will be covered by a glazing bar (PRO1456). Use appropriate fasteners for your wall (not included).

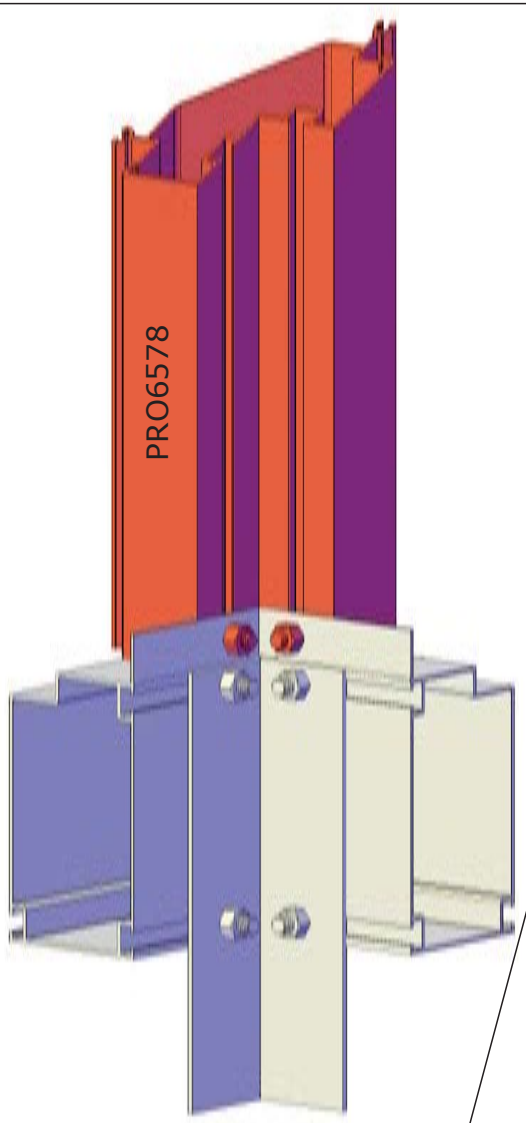
3) You may also leave holes at the corners to embed the long PRO210 anchors in concrete after the greenhouse is built. This is similar to what is shown for the ground mount version.

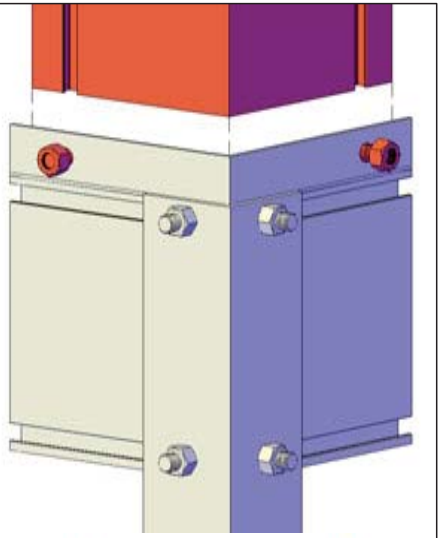


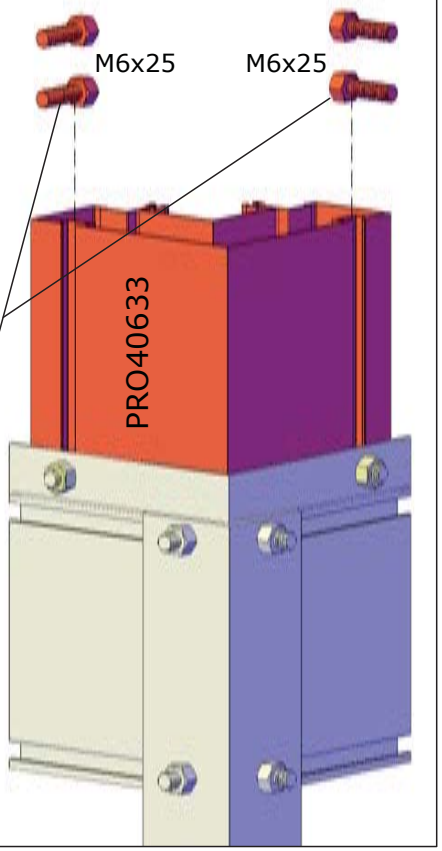




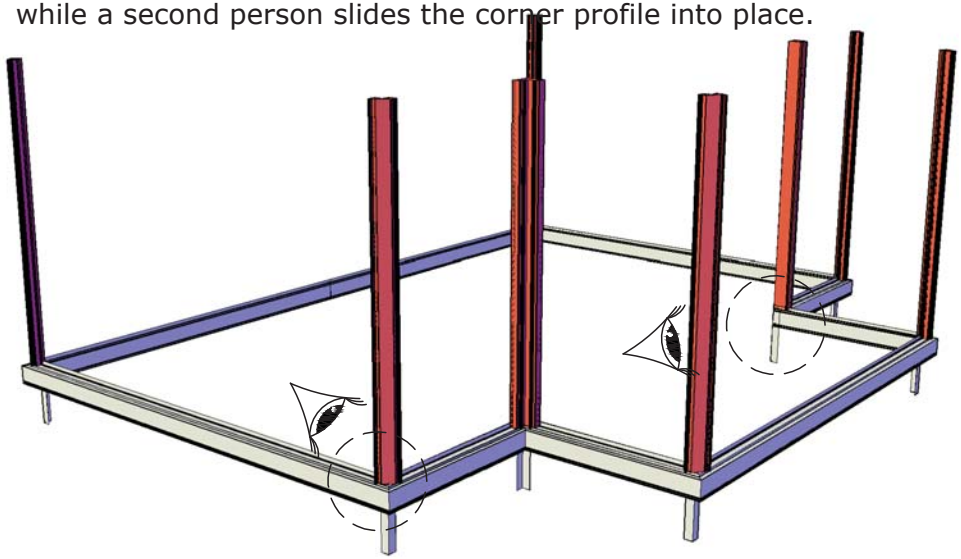


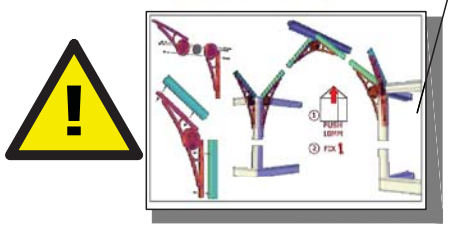


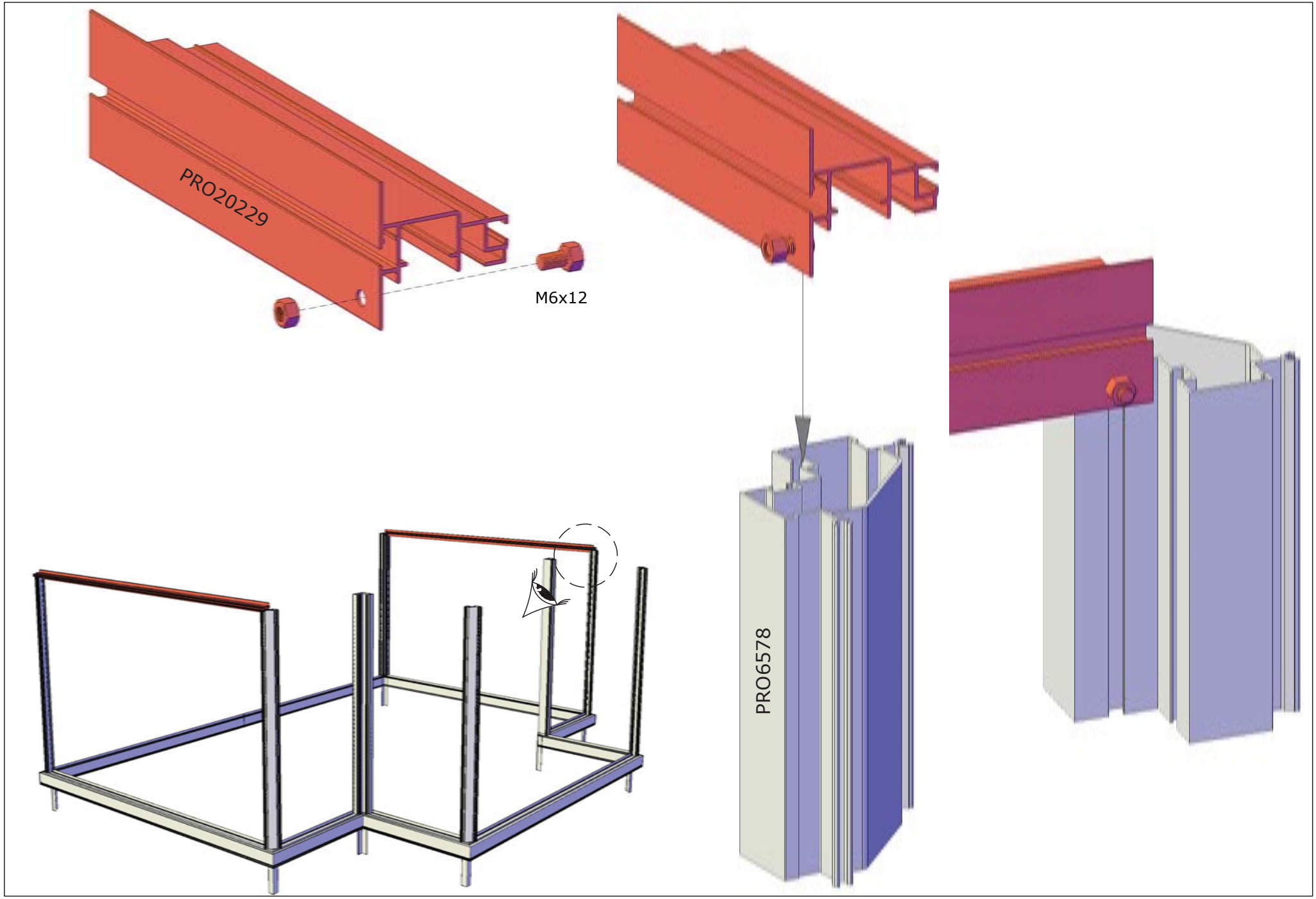


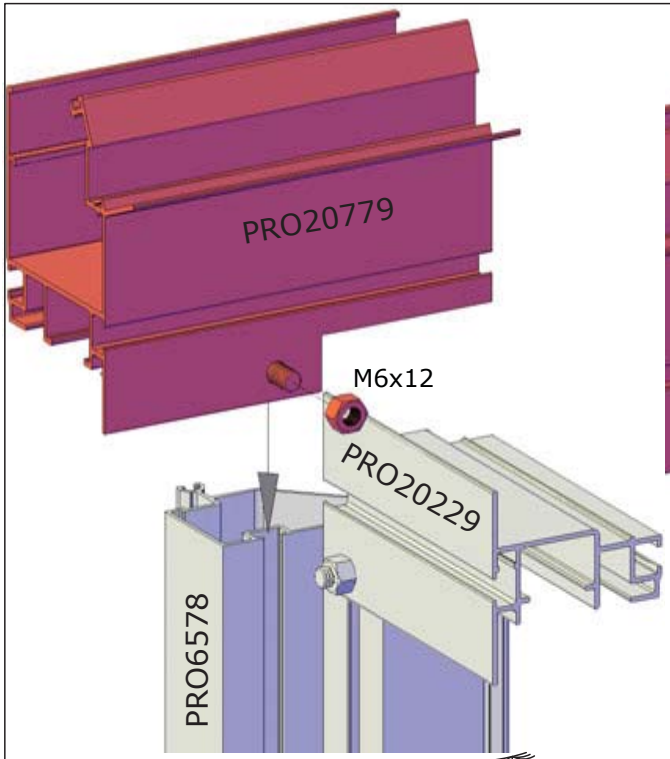


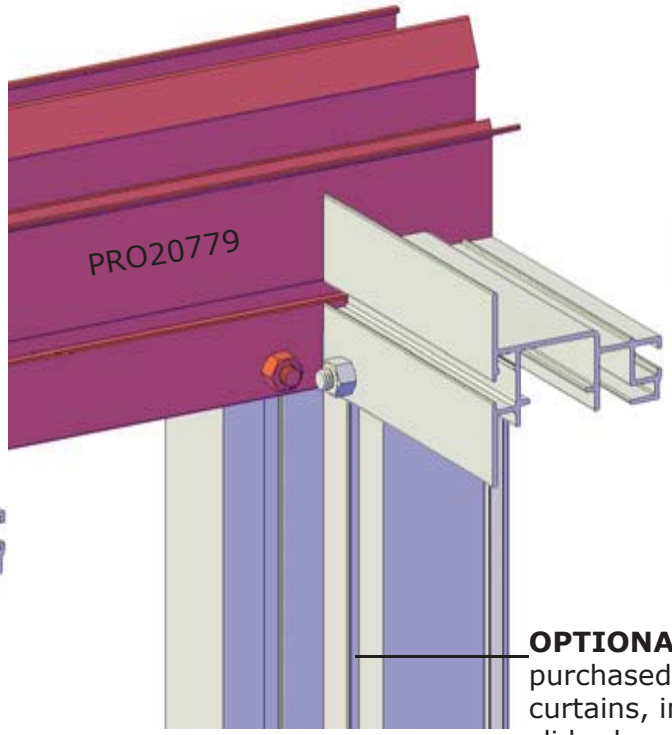
NOTE: You may need to loosen the nuts holding your anchor corner brackets to allow some "play" in the corner to slide the corner post (PRO6578) onto the bolt heads. It is helpful to have a second person holding the bolts in line with a needle nose pliers while a second person slides the corner profile into place.

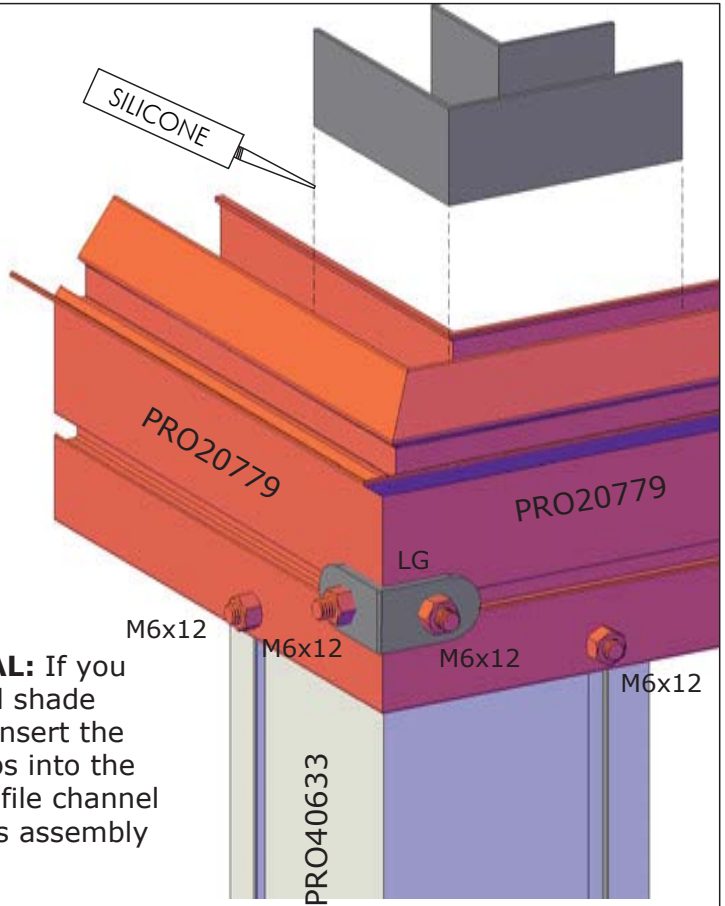




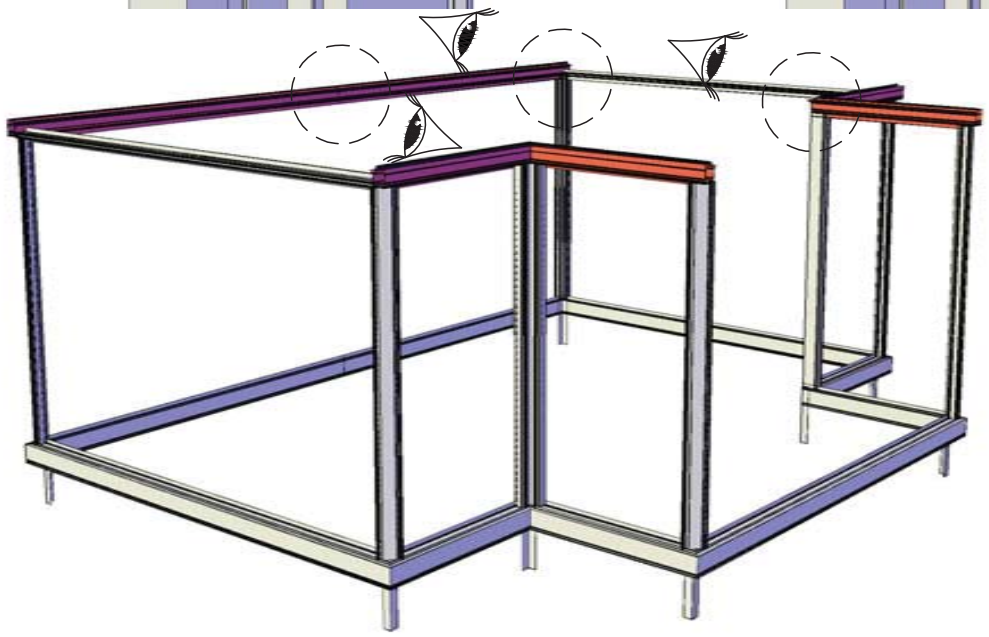

PRO20229
M6x12
PRO6578

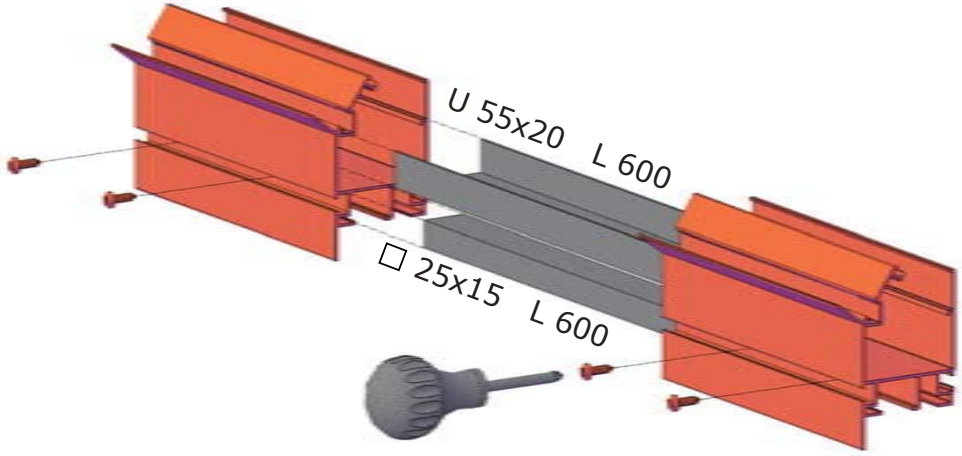


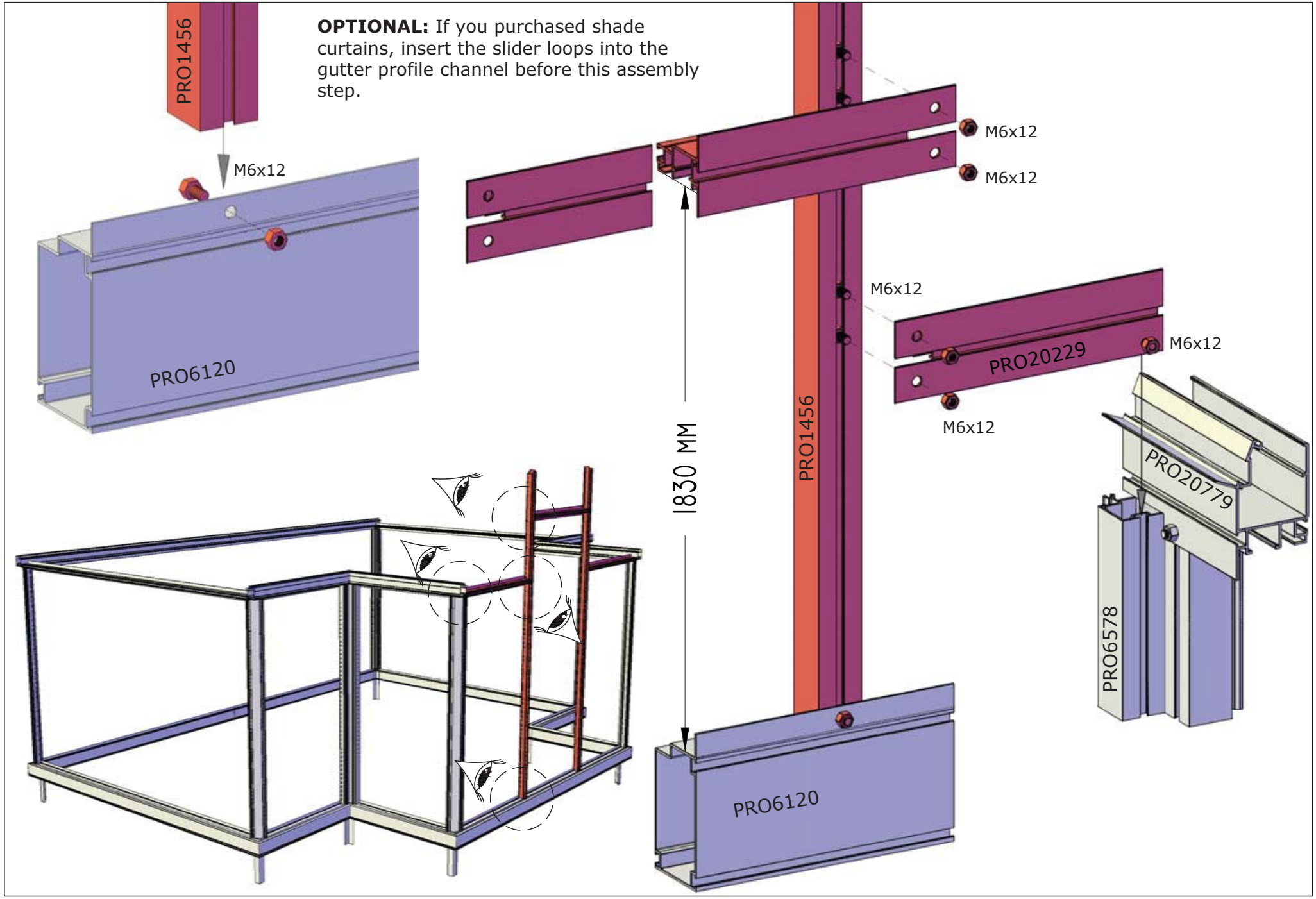




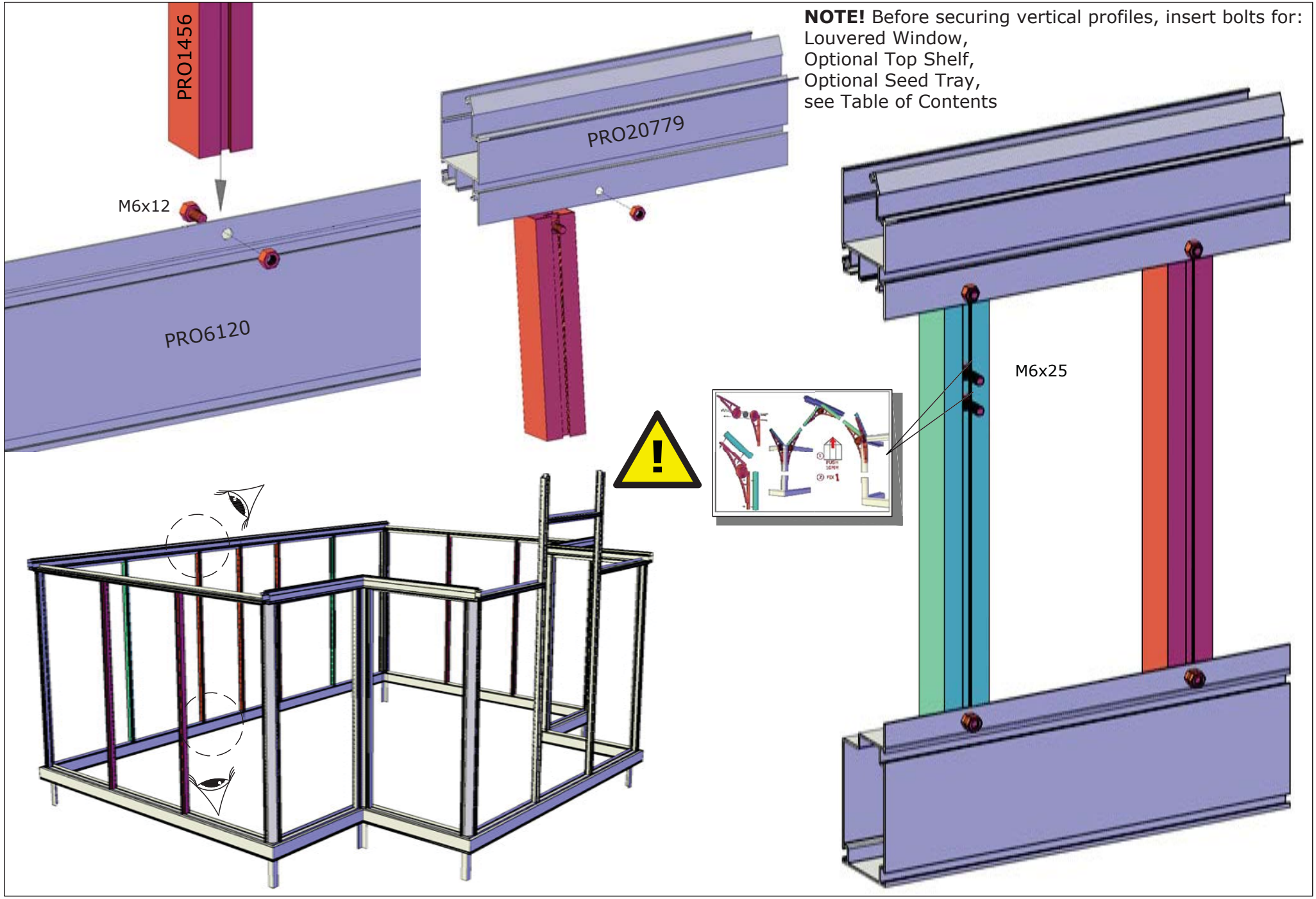
OPTIONAL: If you purchased shade curtains, insert the slider loops into the gutter profile channel before this assembly step.

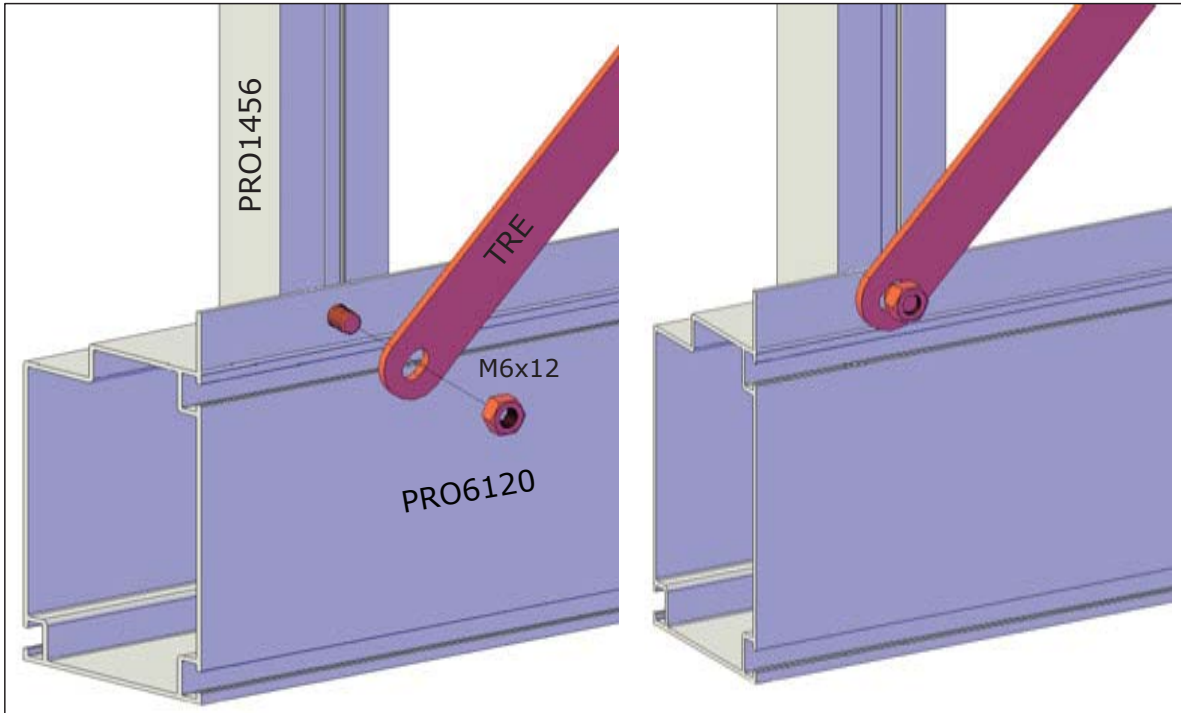




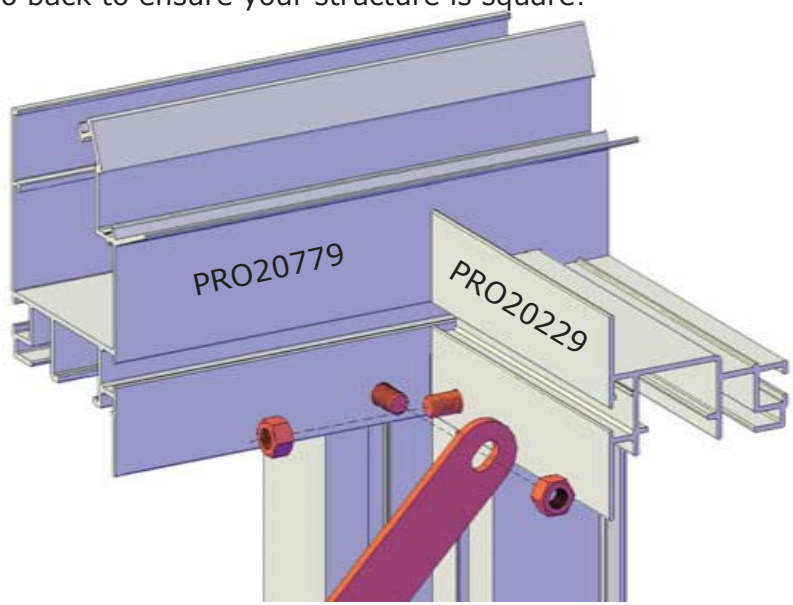

PRO1456
M6x12
PRO6120
OPTIONAL: If you purchased shade curtains, insert the slider loops into the gutter profile channel before this assembly step.
M6x12
M6x12
M6x12
PRO20229
M6x12
M6x12
1830 MM
PRO1456
PRO20779
PRO6578
PRO6120

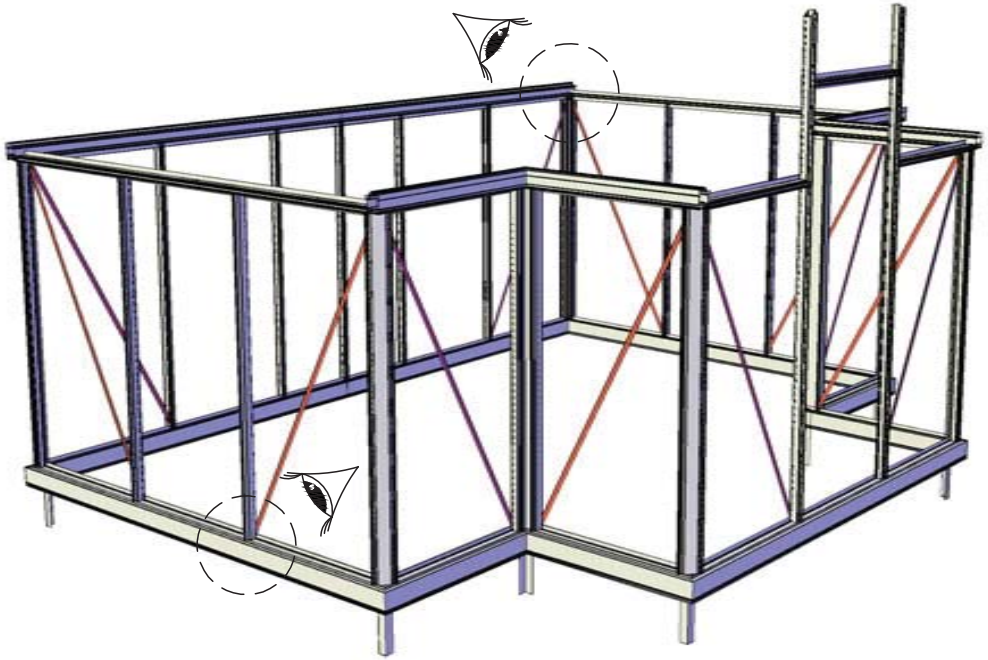
NOTE! Before securing vertical profiles, insert bolts for:
Louvered Window,
Optional Top Shelf,
Optional Seed Tray,
see Table of Contents

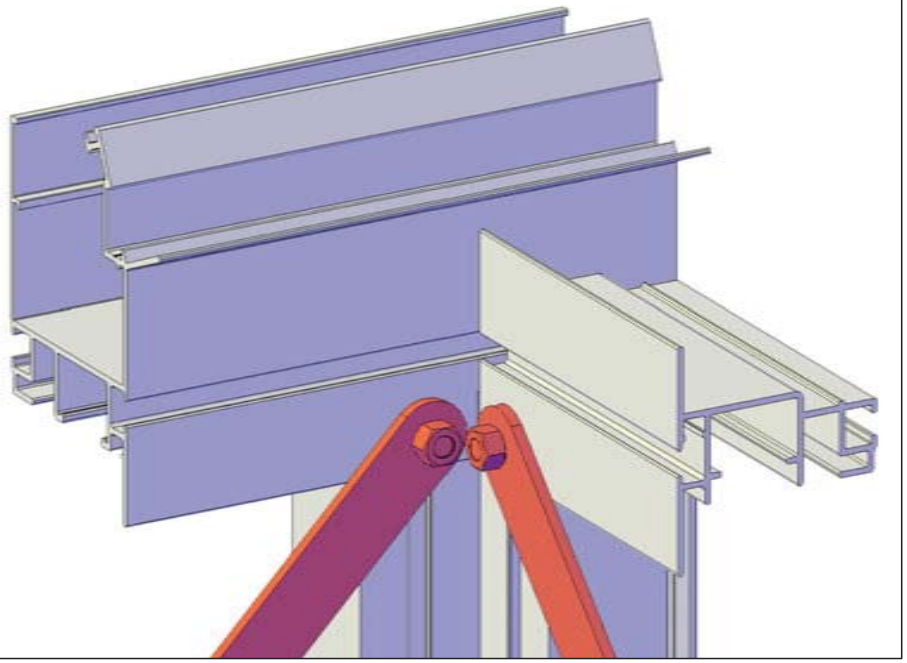


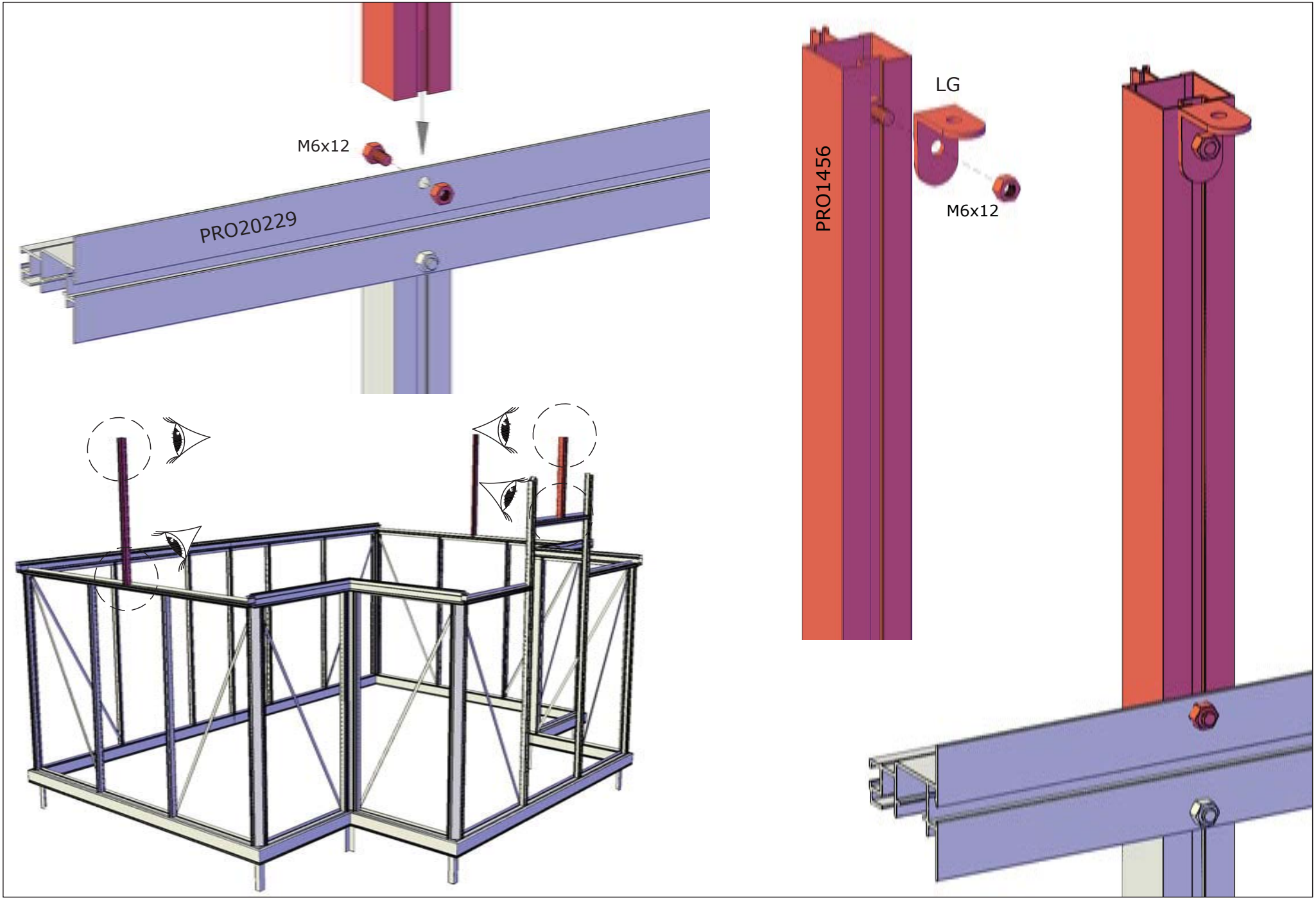


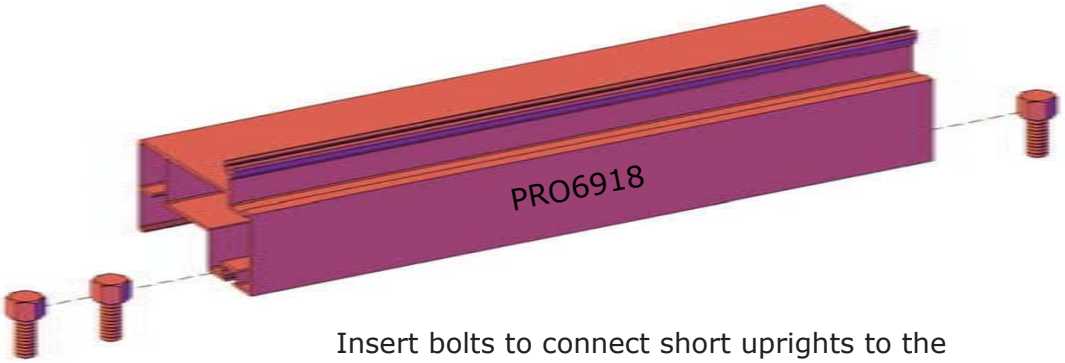
Important! If your wind braces don't fit where they should, your greenhouse is not square/level. Please go back to ensure your structure is square!





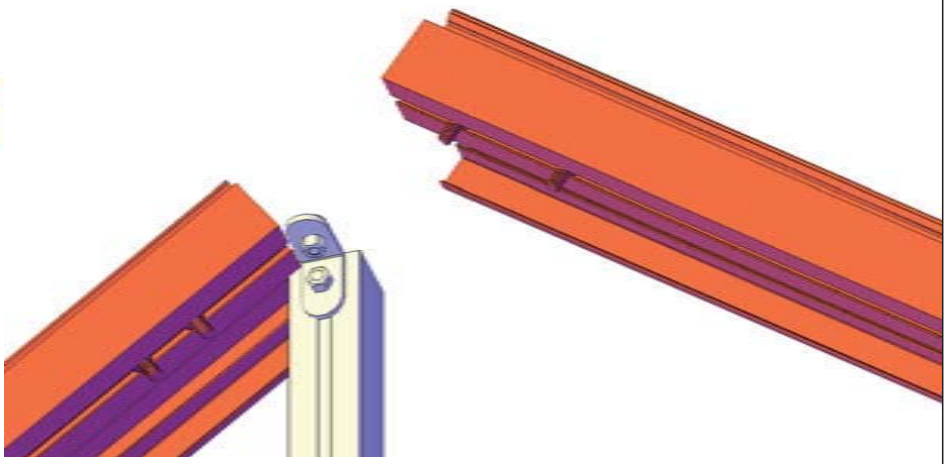


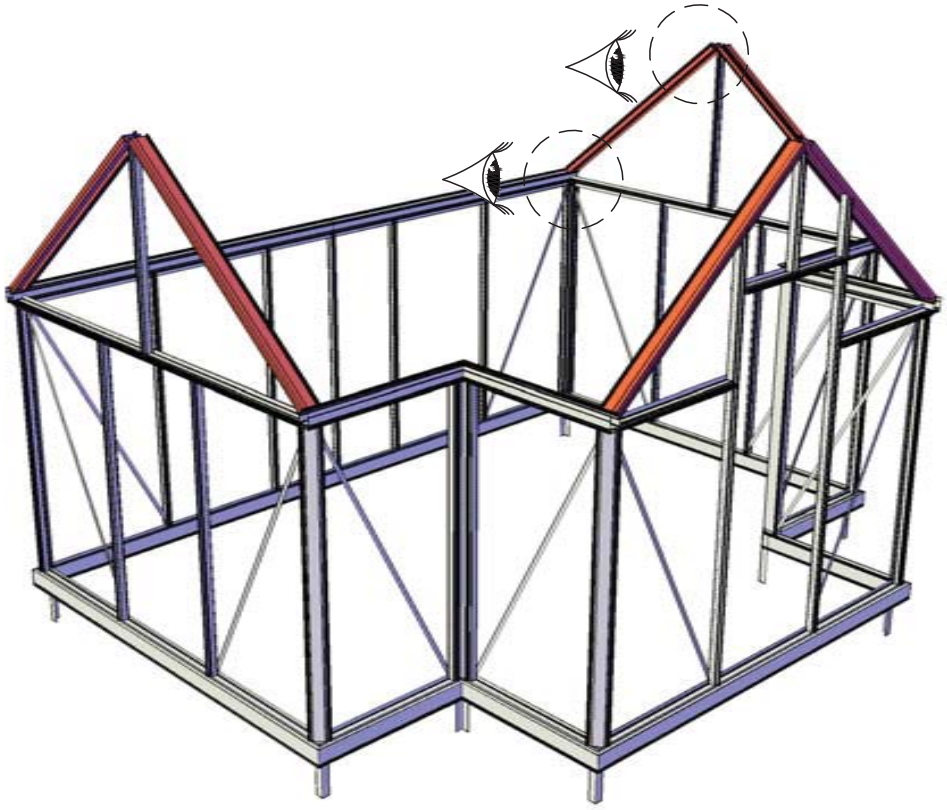

M6x12
PRO20229
LG
PRO1456
M6x12

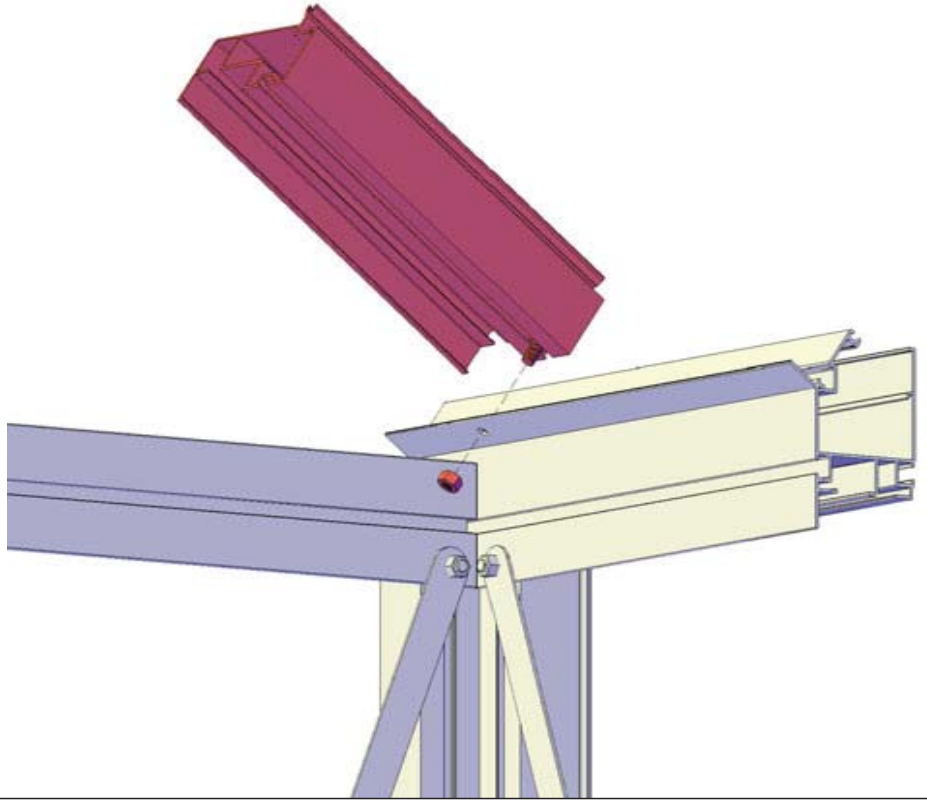


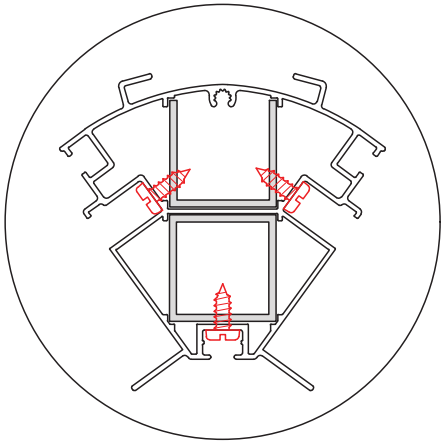
M6x12

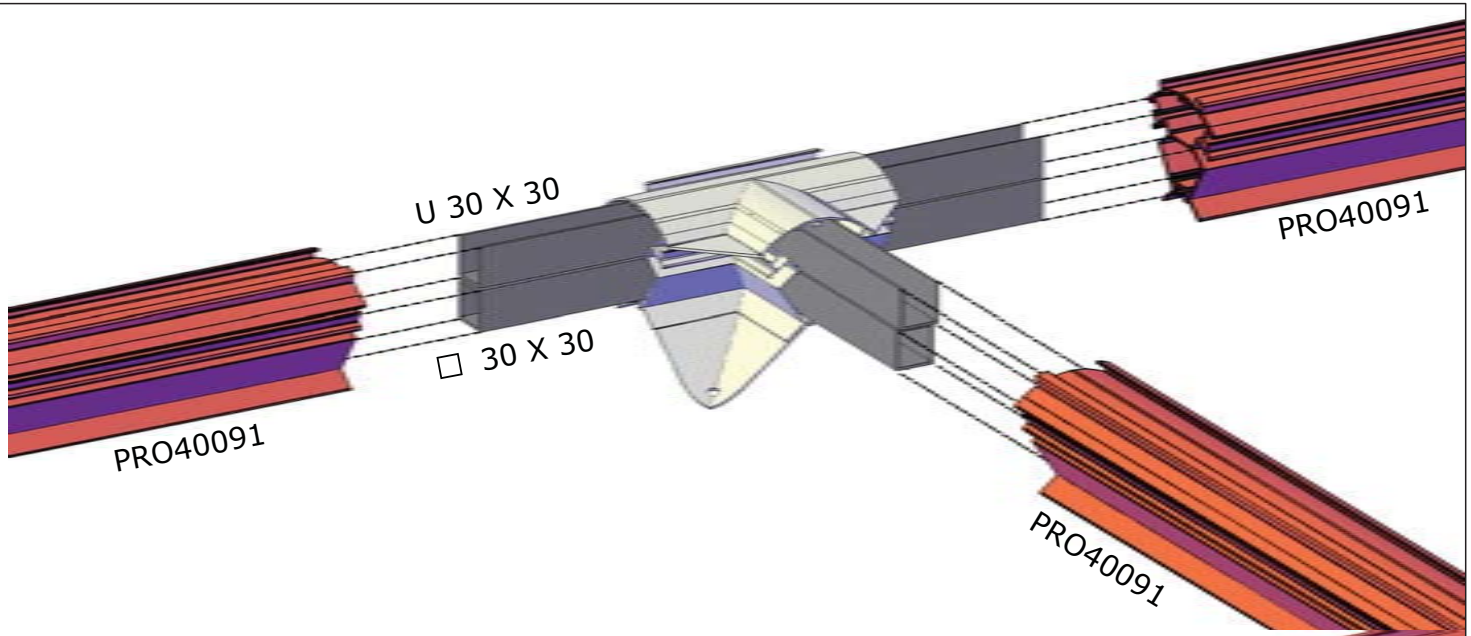
Insert bolts to connect short uprights to the PRO6918. You will need as many bolts as you have short uprights.

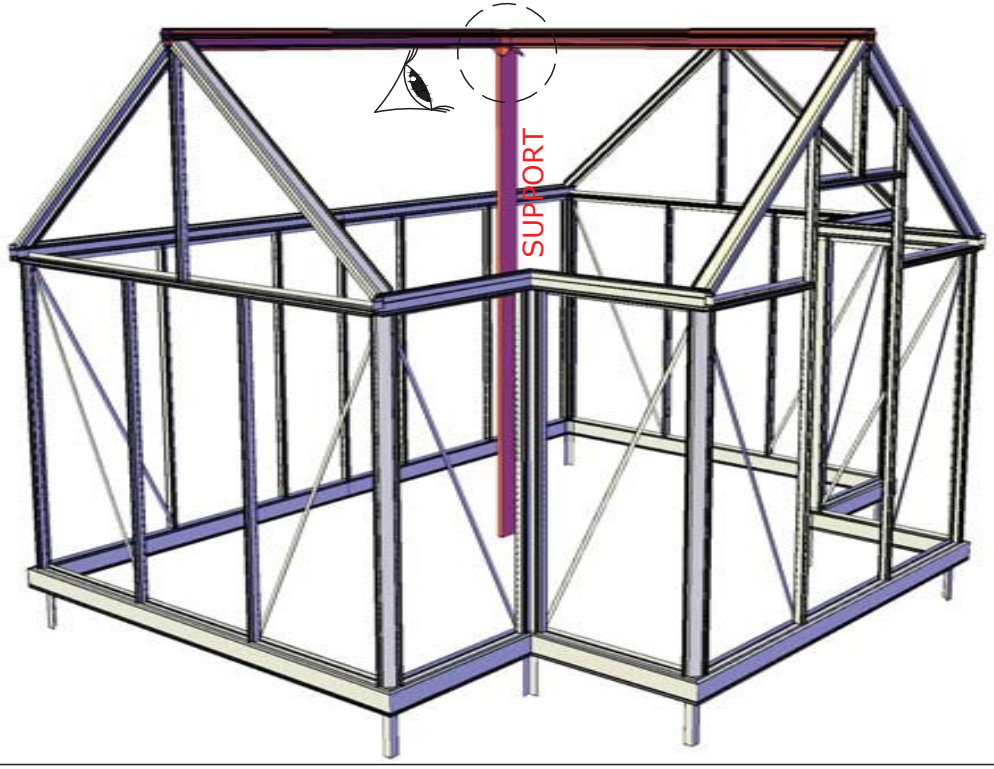


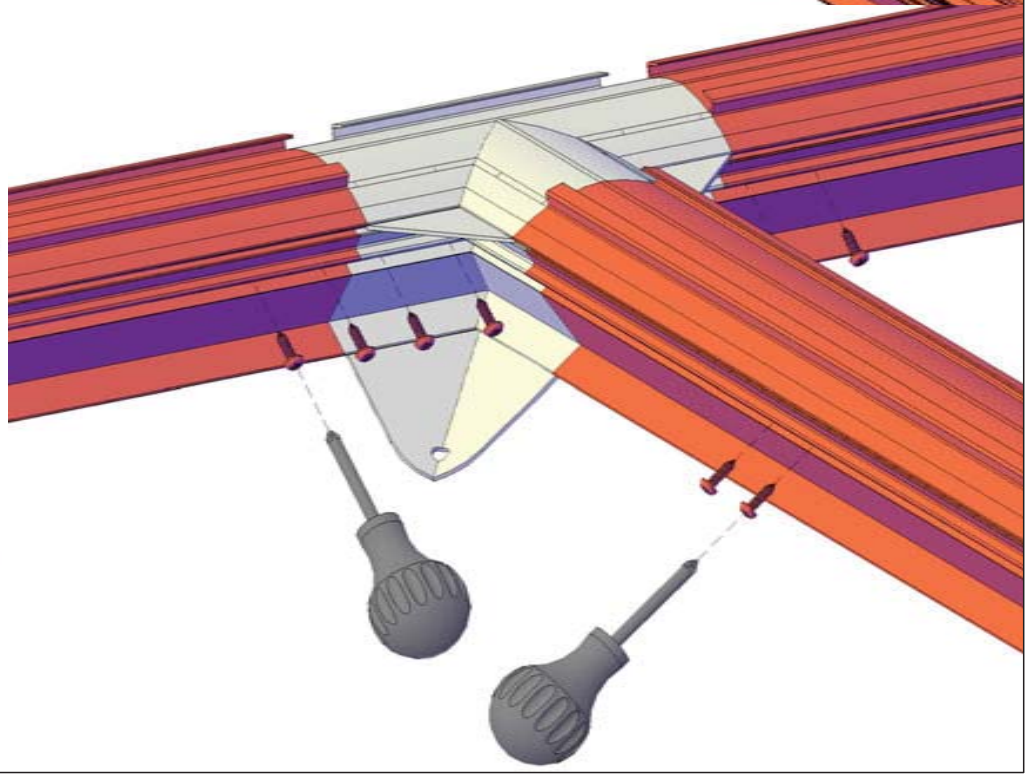


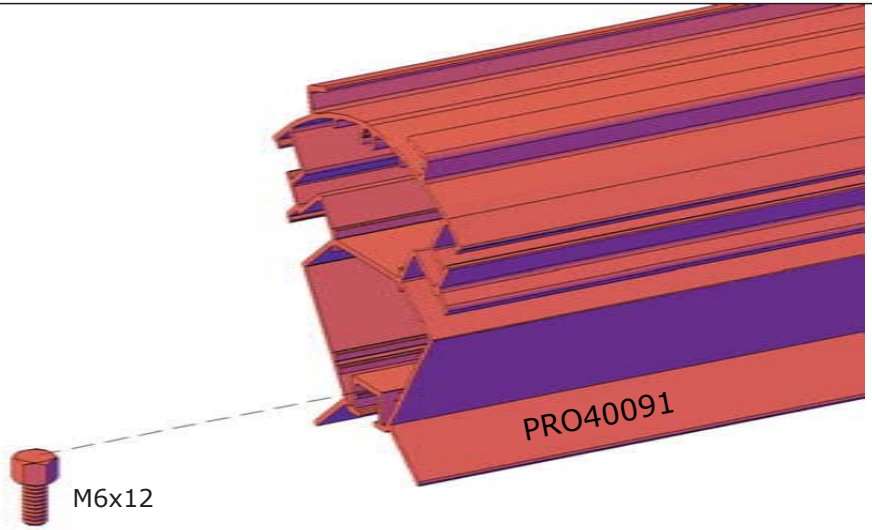





U 30 X 30
□ 30 X 30
PRO40091
PRO40091
PRO40091


SUPPORT

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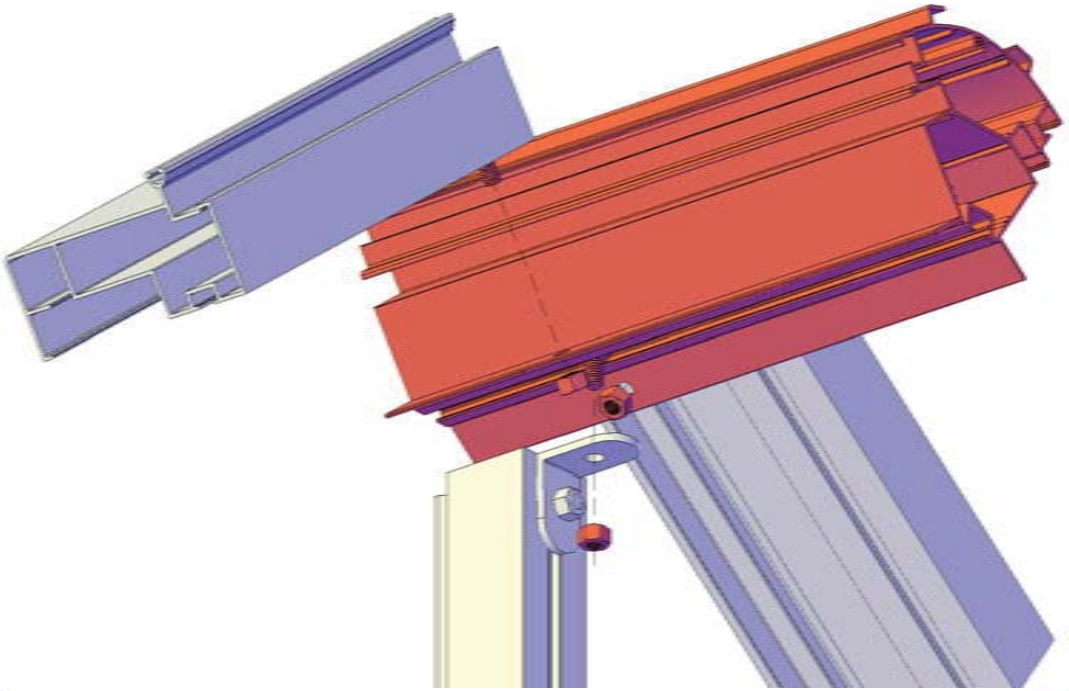
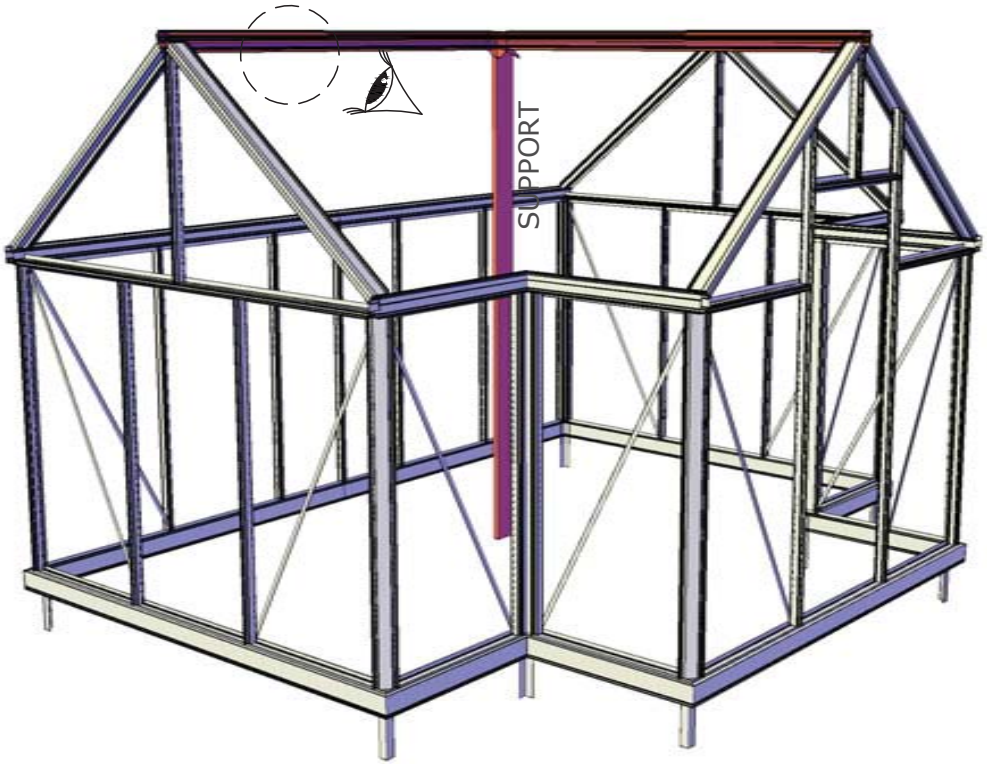
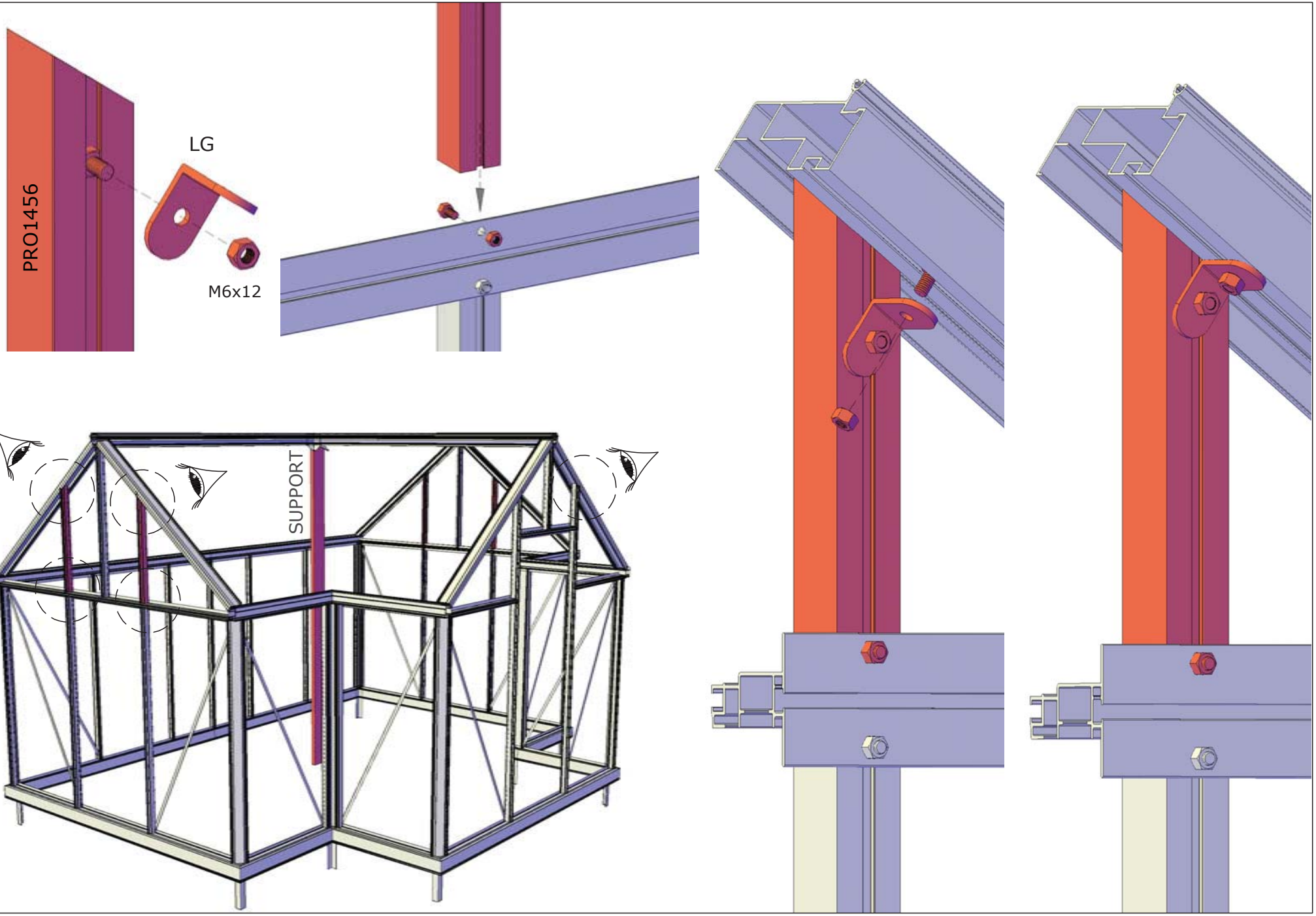
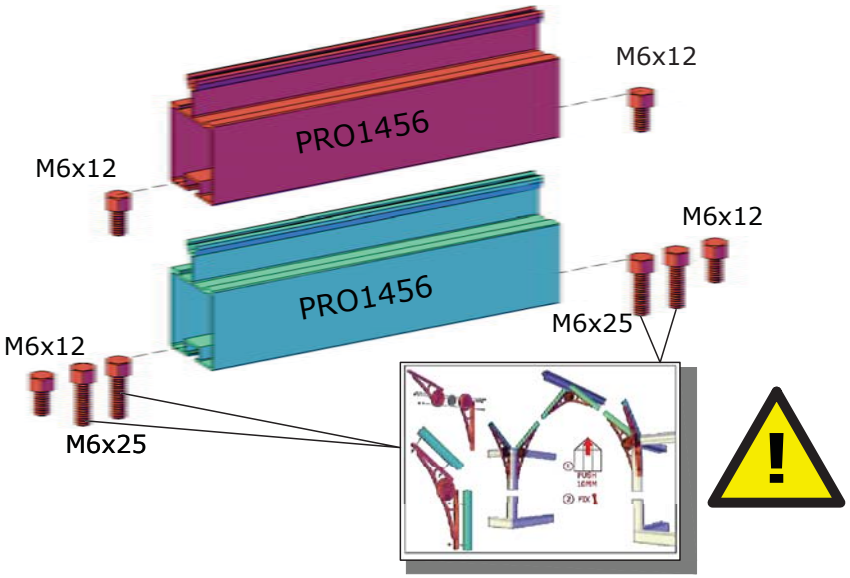
M6x12




SUPPORT


PRO1456
LG
M6x12
SUPPORT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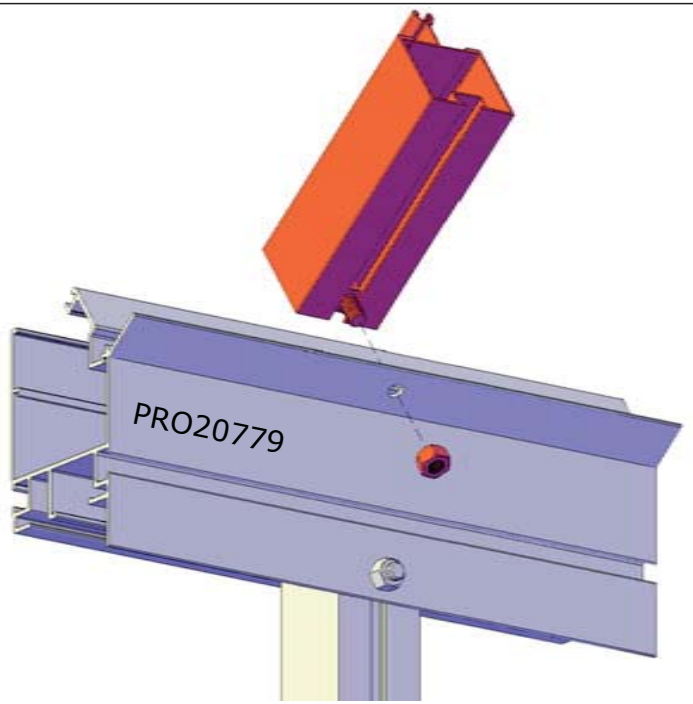
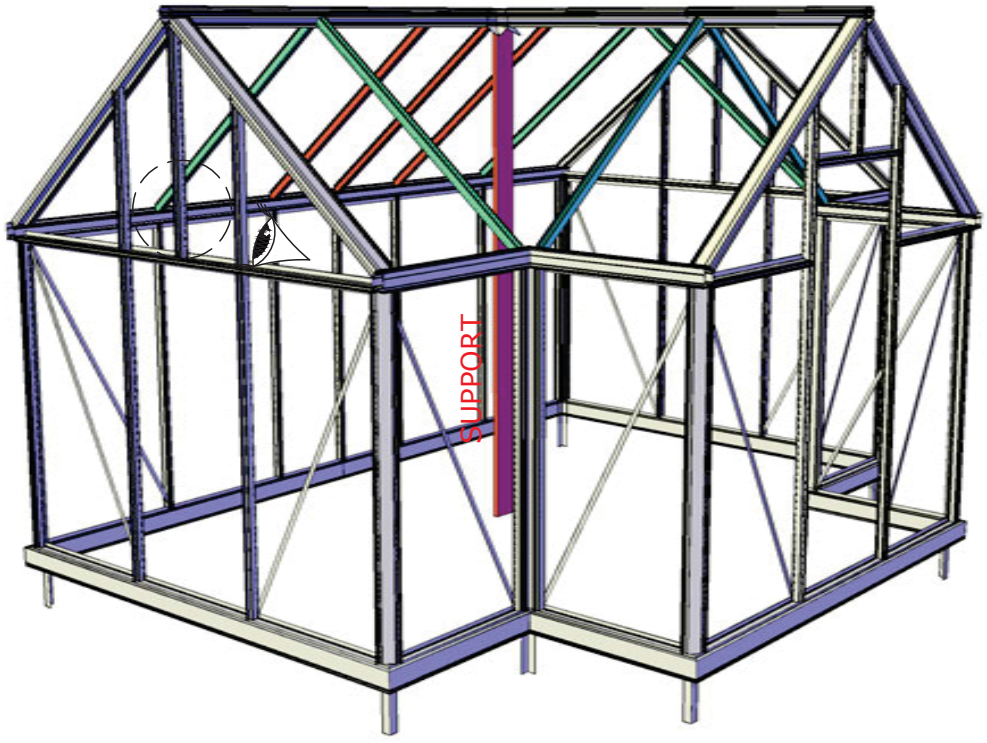
M6x12
M6x12
PRO1456
M6x12
M6x25
M6x12
M6x25


PRO20779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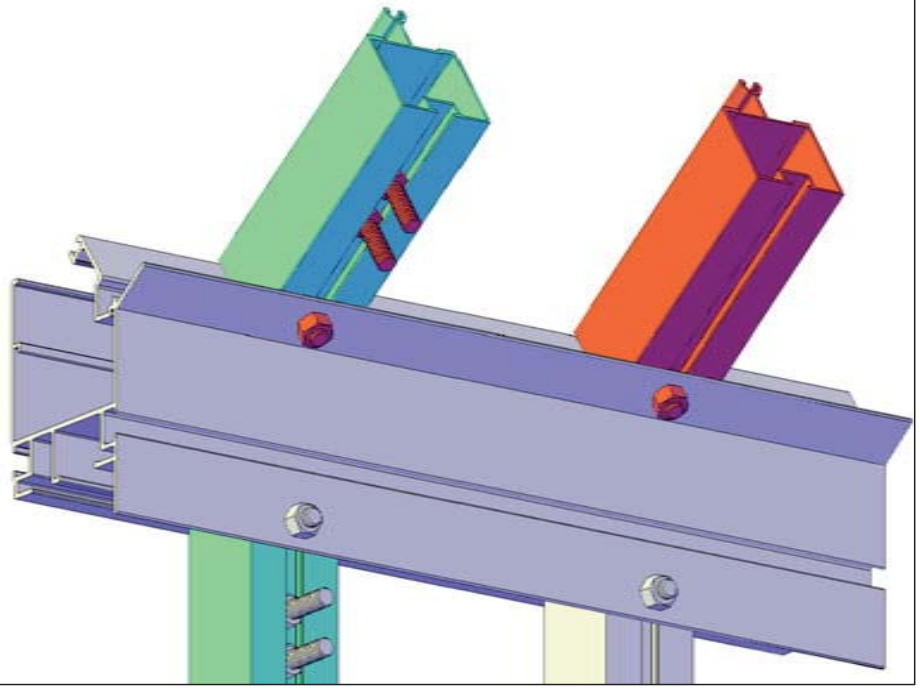
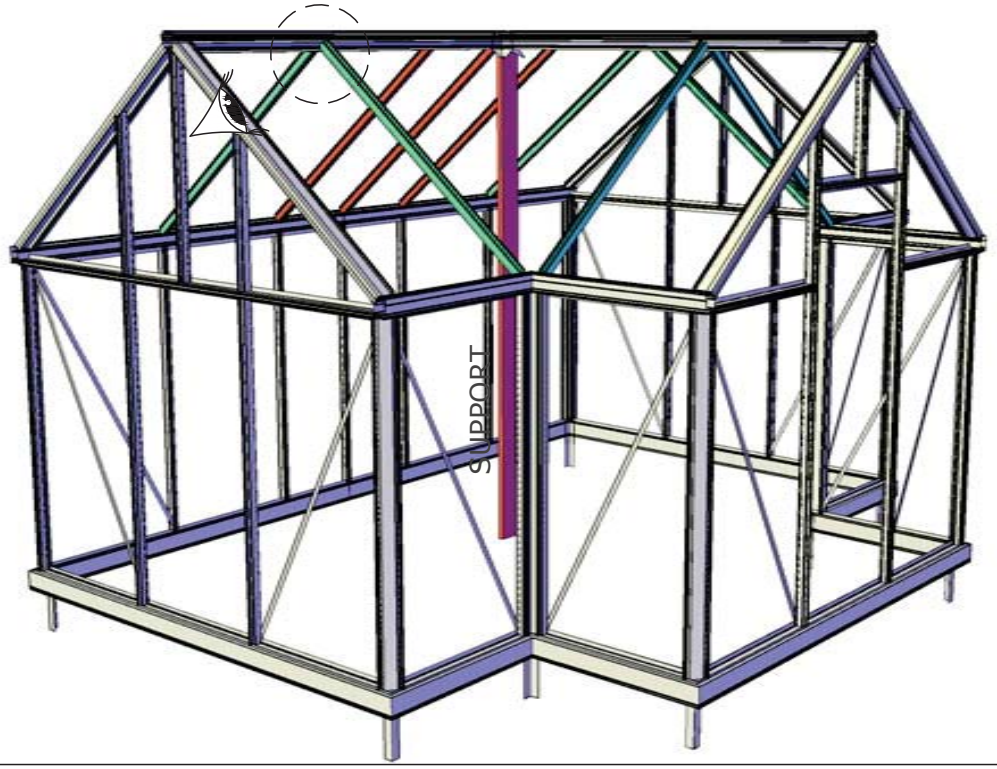
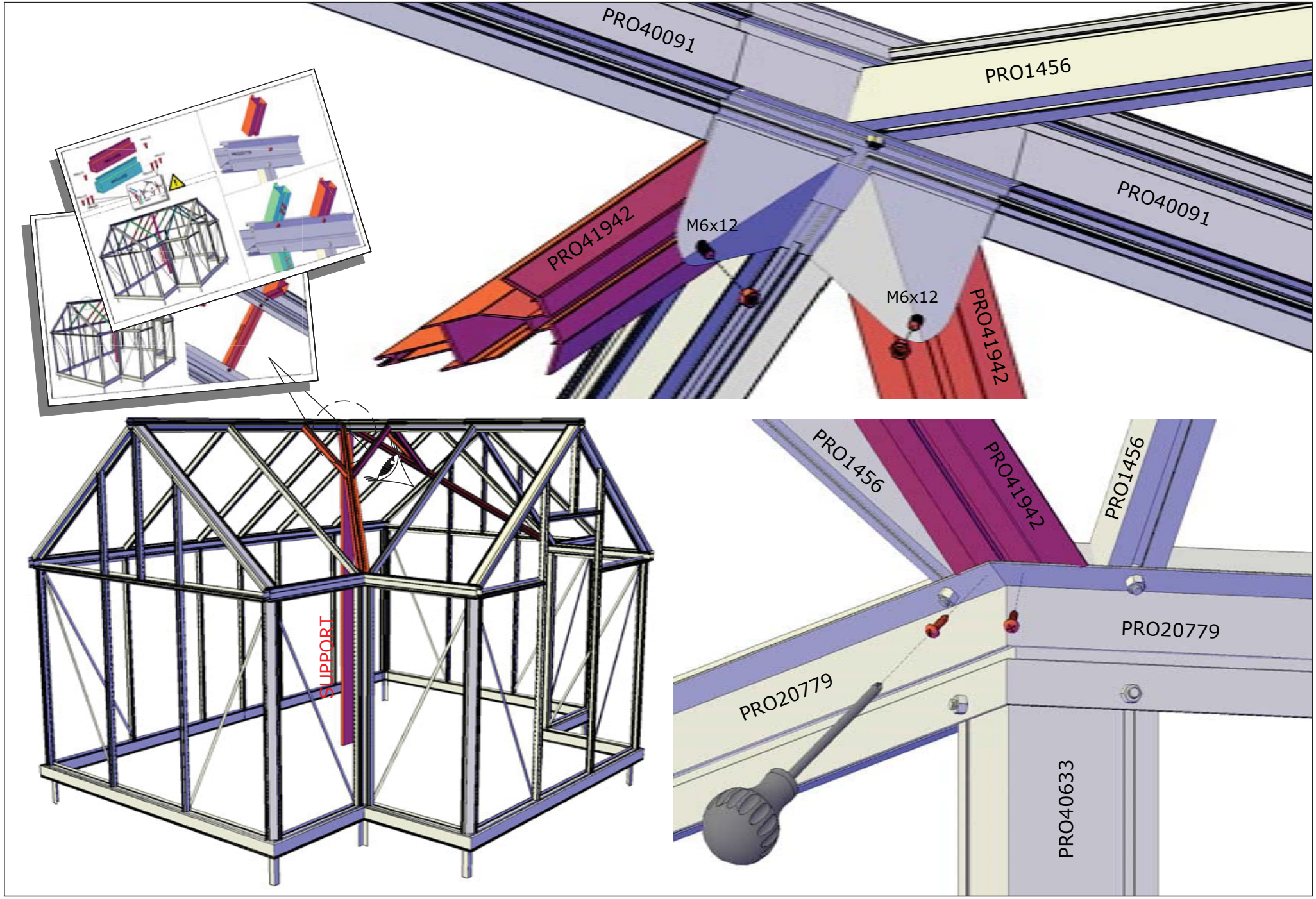




For additional support in heavy snow areas, you may add a stainless self-tapping screw (not included) next to the bolt where the rafter meets the ridge beam

Another screw may be added here


PRO40091
PRO1456
PRO40091
PRO41942
M6x12
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PRO41942
SUPPORT
PRO1456
PRO41942
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PRO20779
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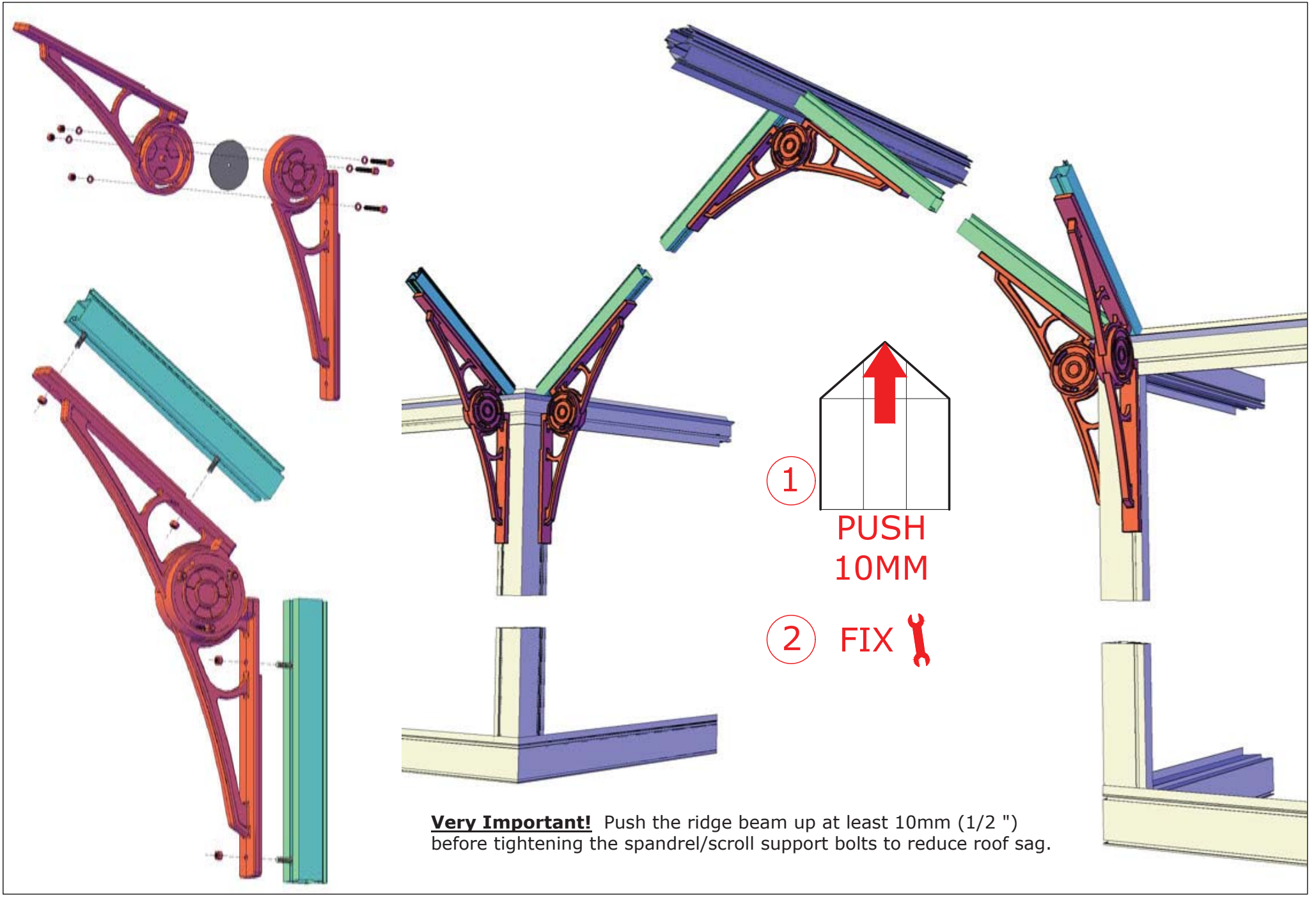
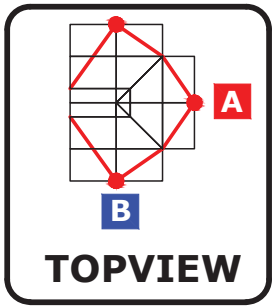
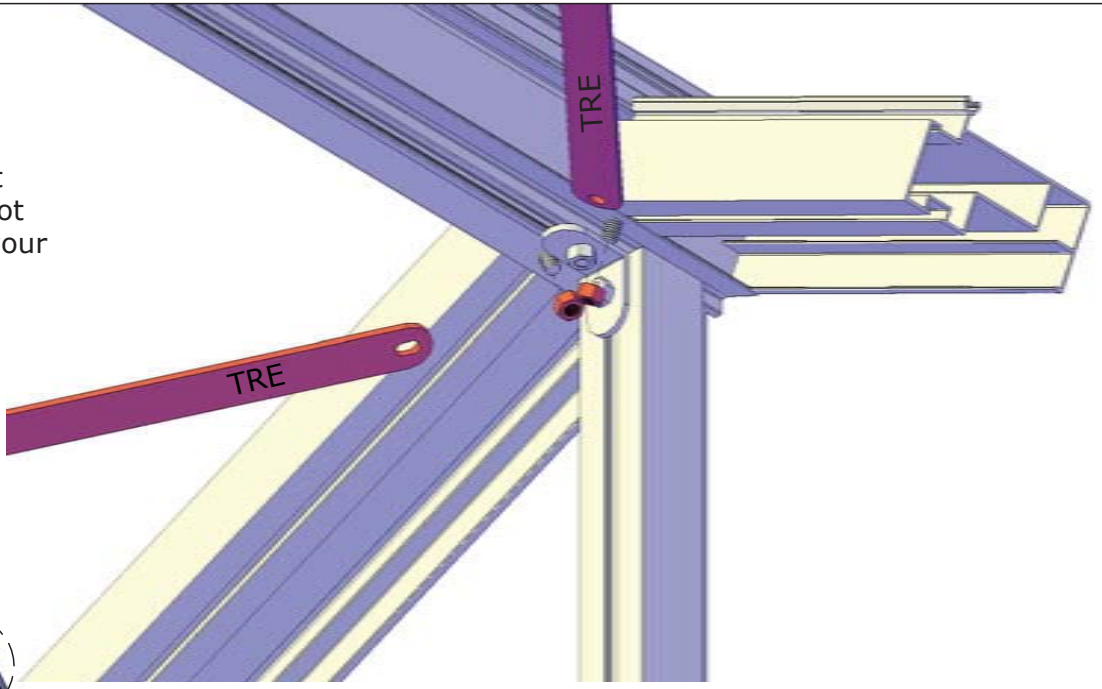
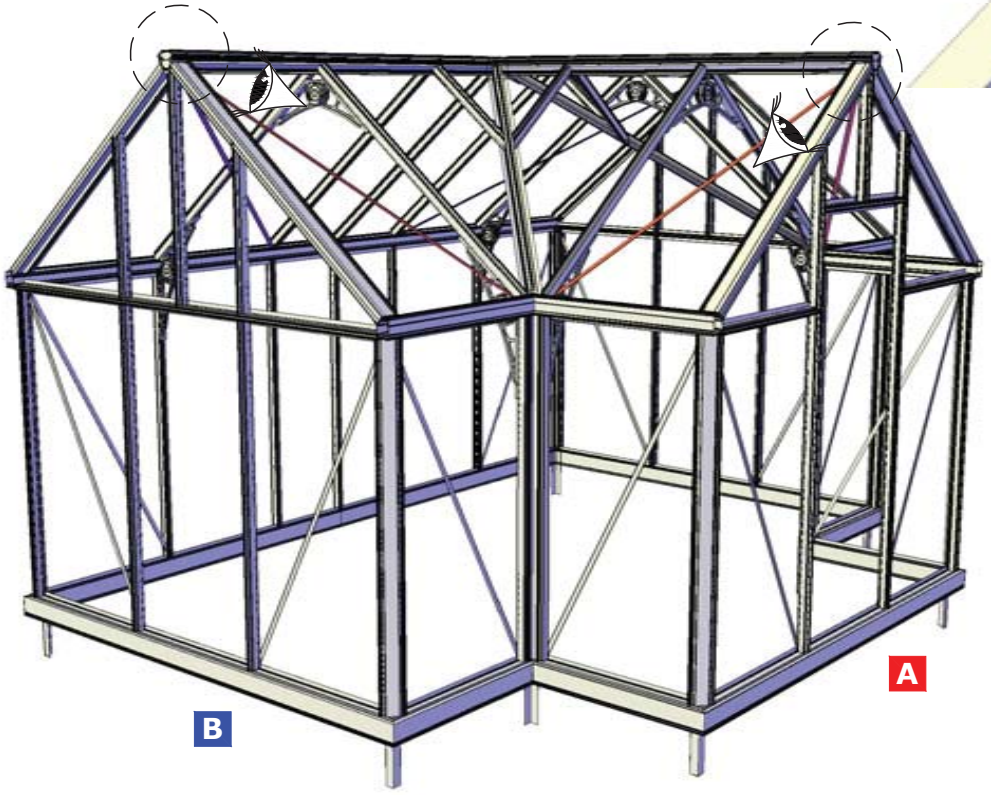


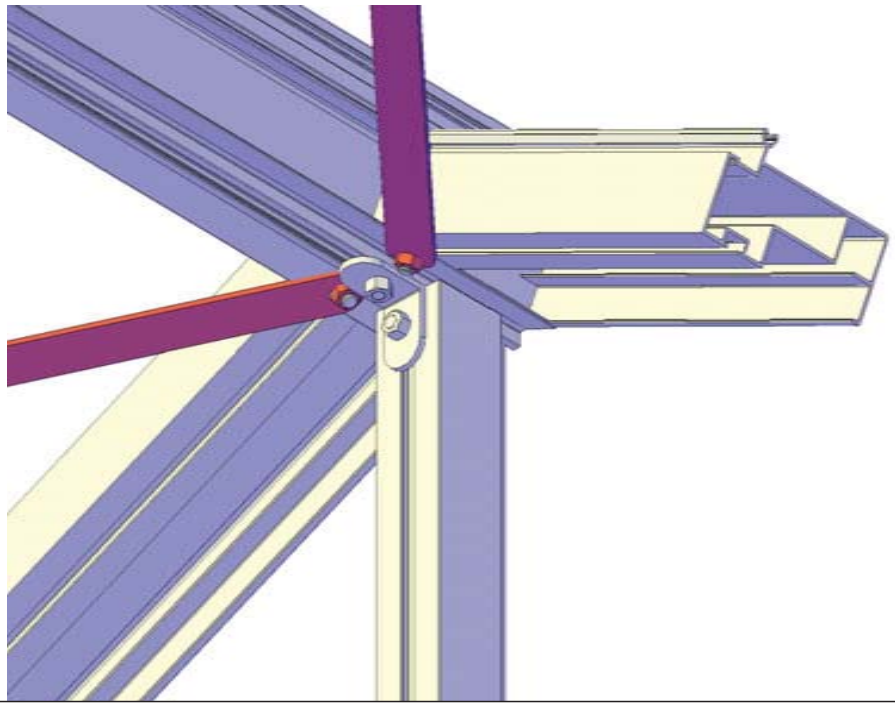
Very Important! Push the ridge beam up at least 10mm (1/2 ") before tightening the spandrel/scroll support bolts to reduce roof sag.

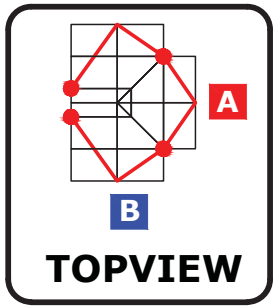


Important! If your wind braces don't fit where they should, your greenhouse is not square/level. Please go back to ensure your structure is square!



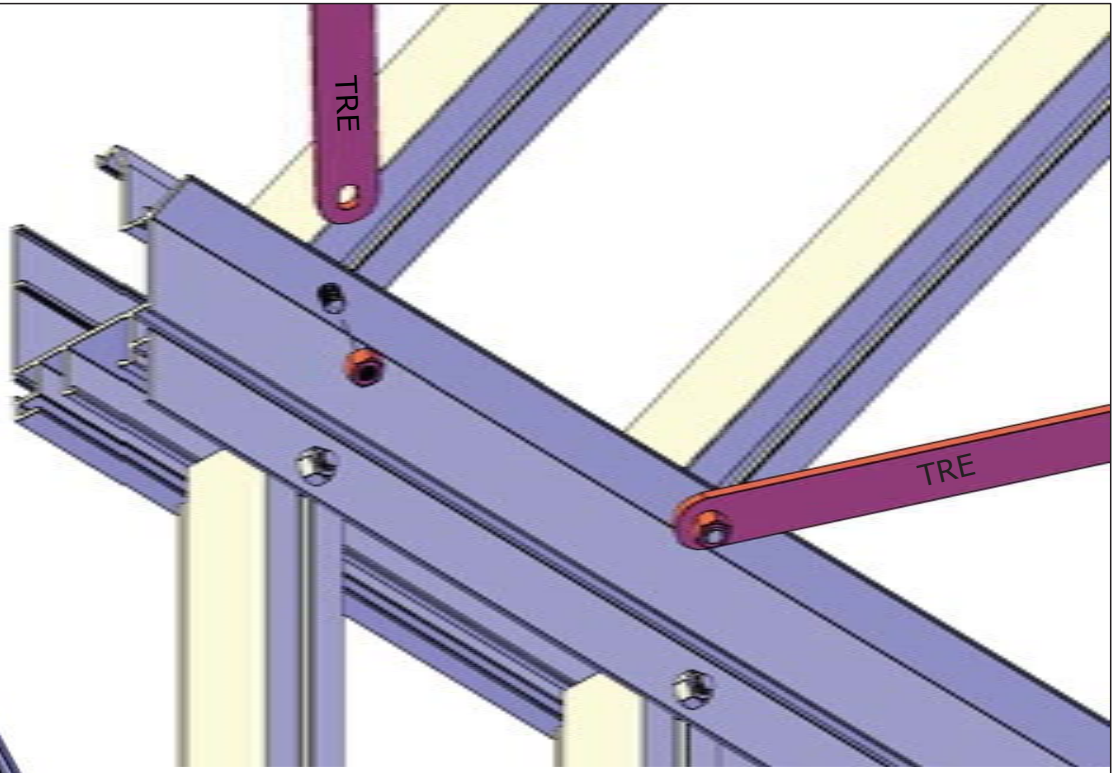


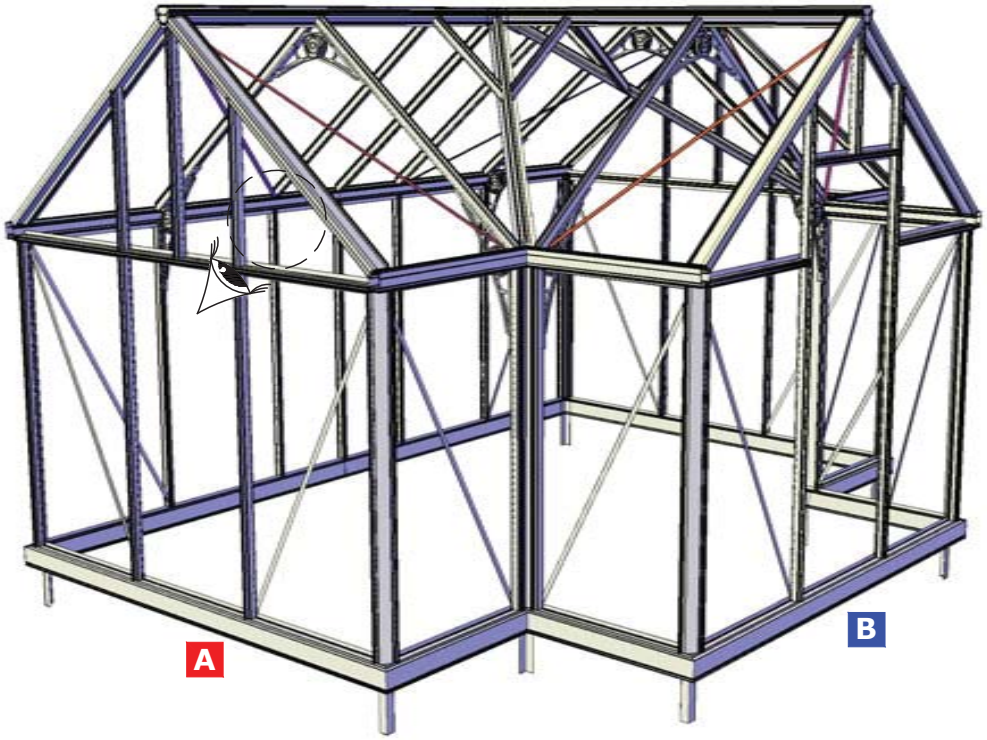


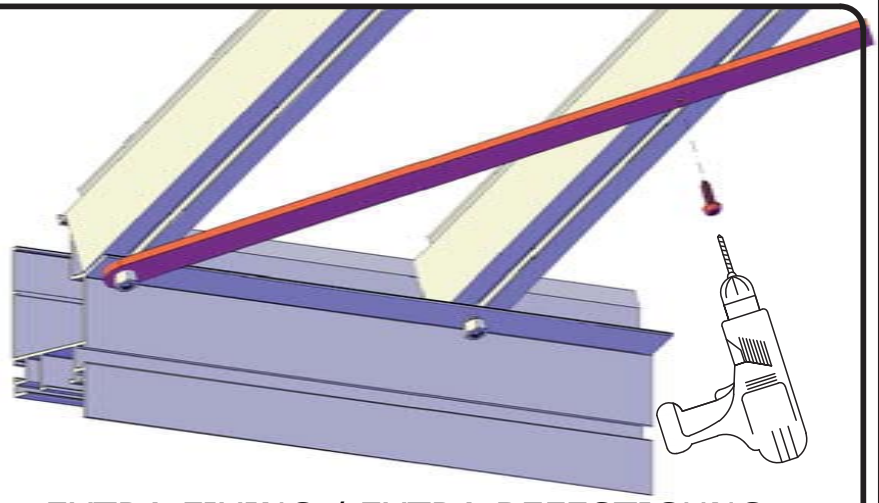


TOPVIEW

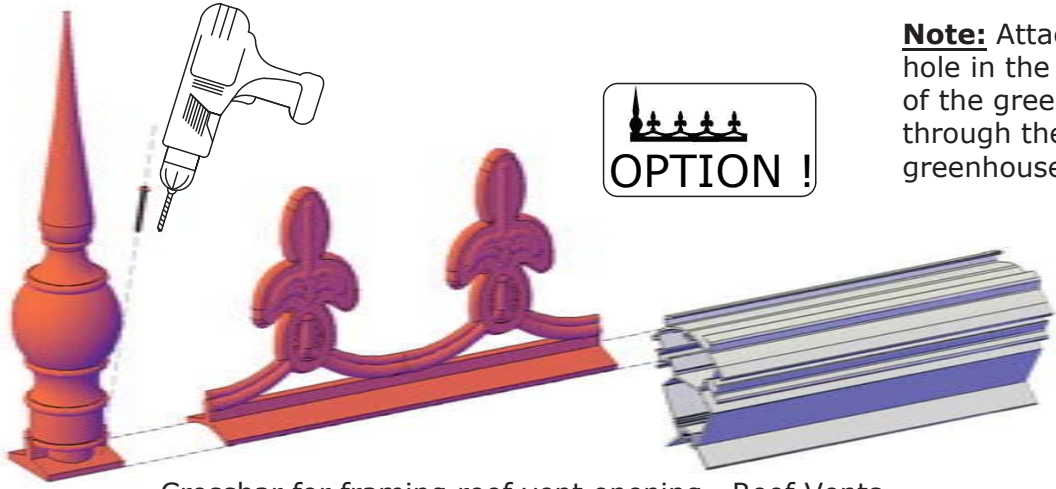
Important! If your wind braces don't fit where they should, your greenhouse is not square/level. Please go back to ensure your structure is square!





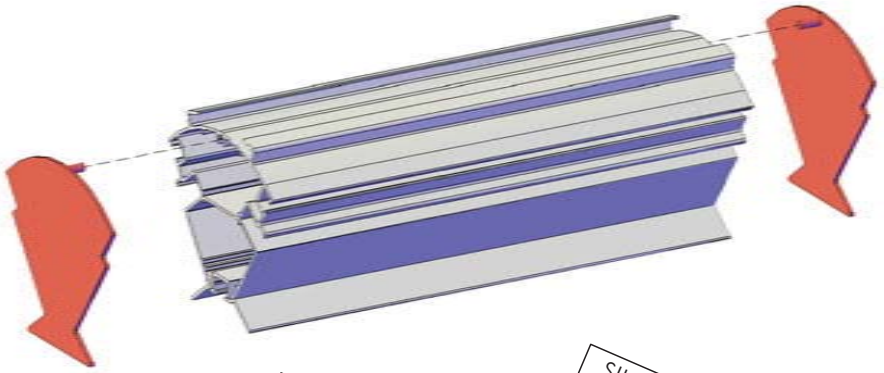


EXTRA FIXING / EXTRA BEFESTIGUNG
ATTACH EXTRA

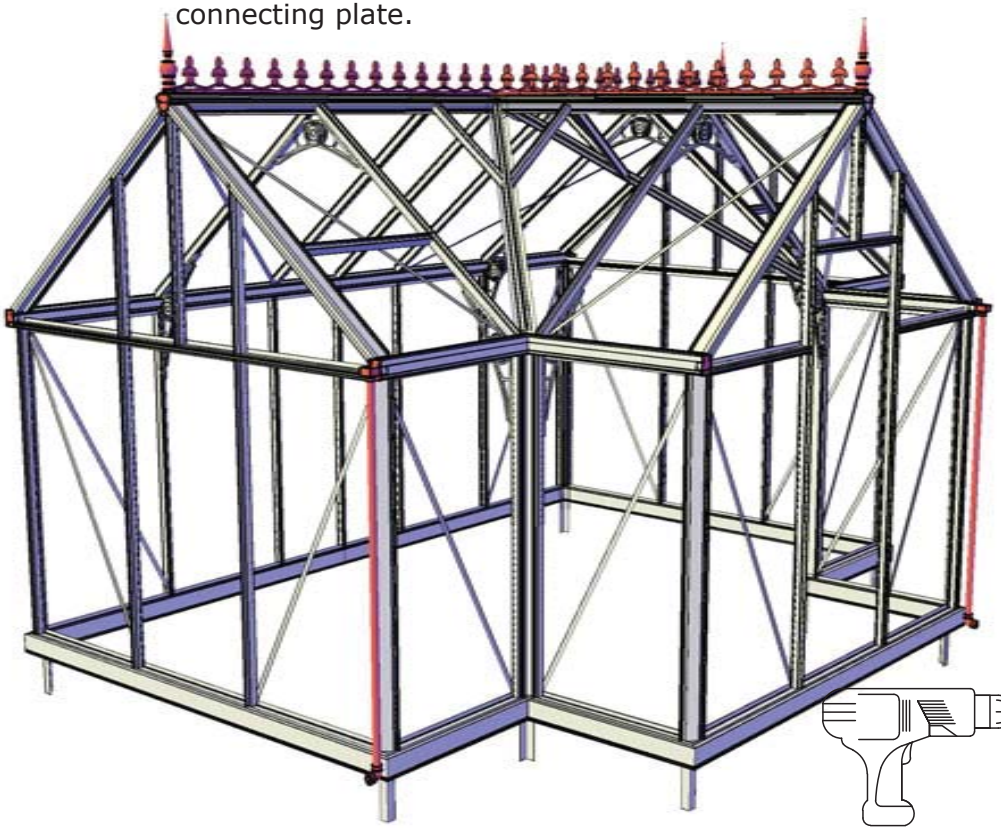


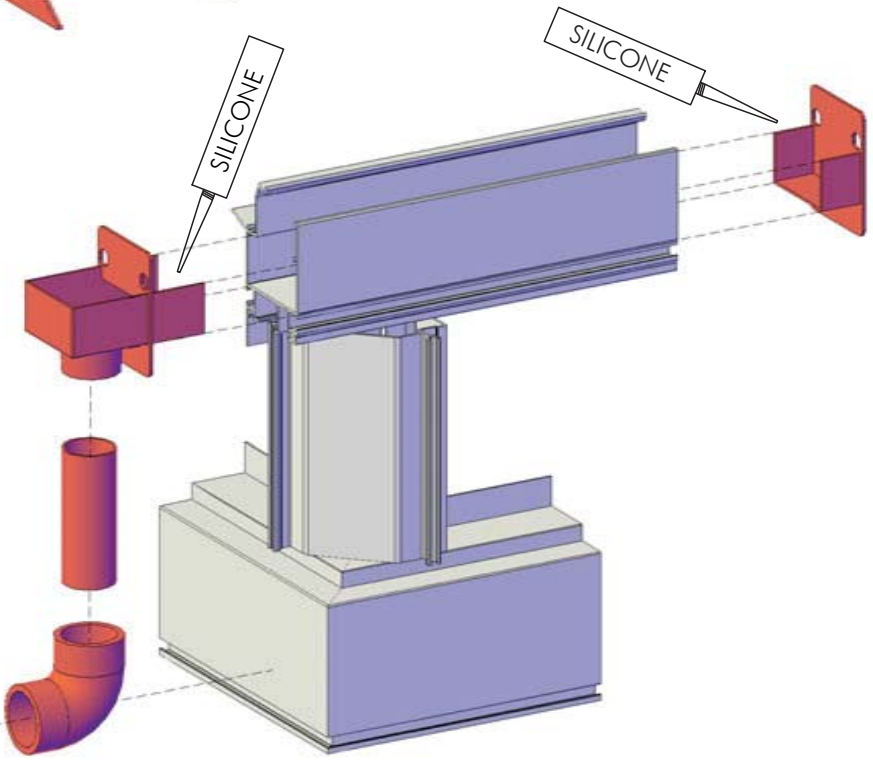
OPTION !

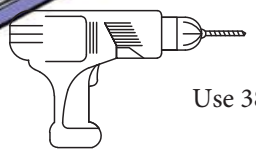
Note: Attach the elbow to the greenhouse base. First, drill a small hole in the back of the elbow and then a small hole in the frame of the greenhouse for the screw to thread into. Run the screw through the hole on the inside of the elbow and into the greenhouse base.



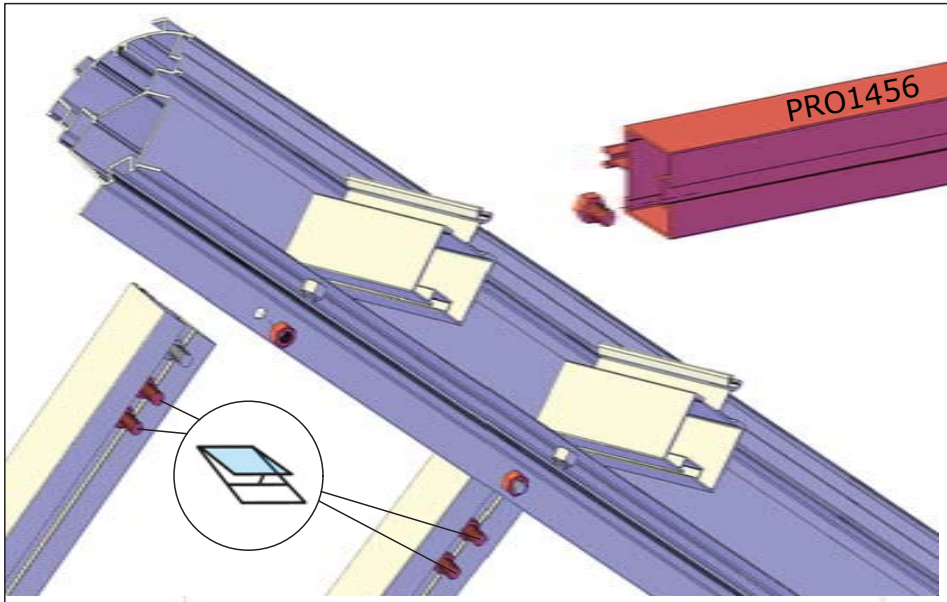
Crossbar for framing roof vent opening. Roof Vents can be installed in any bay. Insert bolts to attach connecting plate.

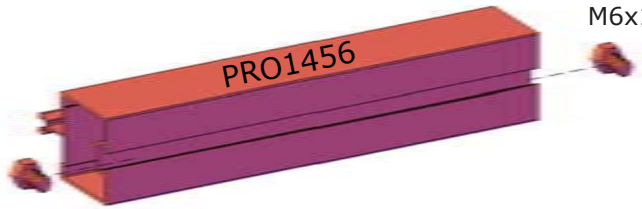






Use 38mm screw from (ZAK_H)





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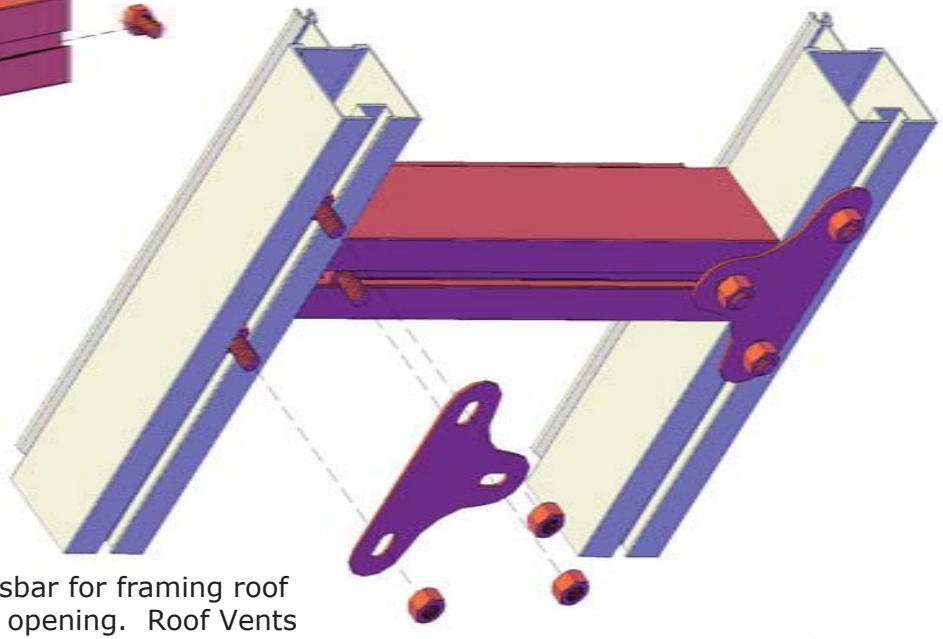
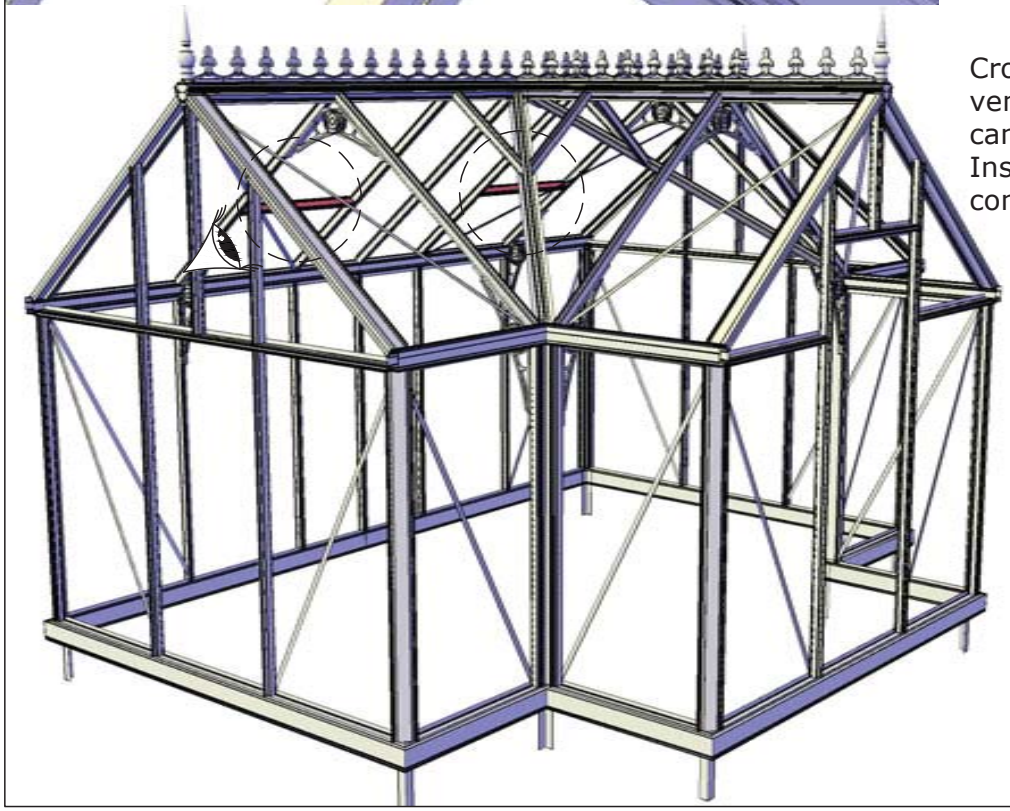
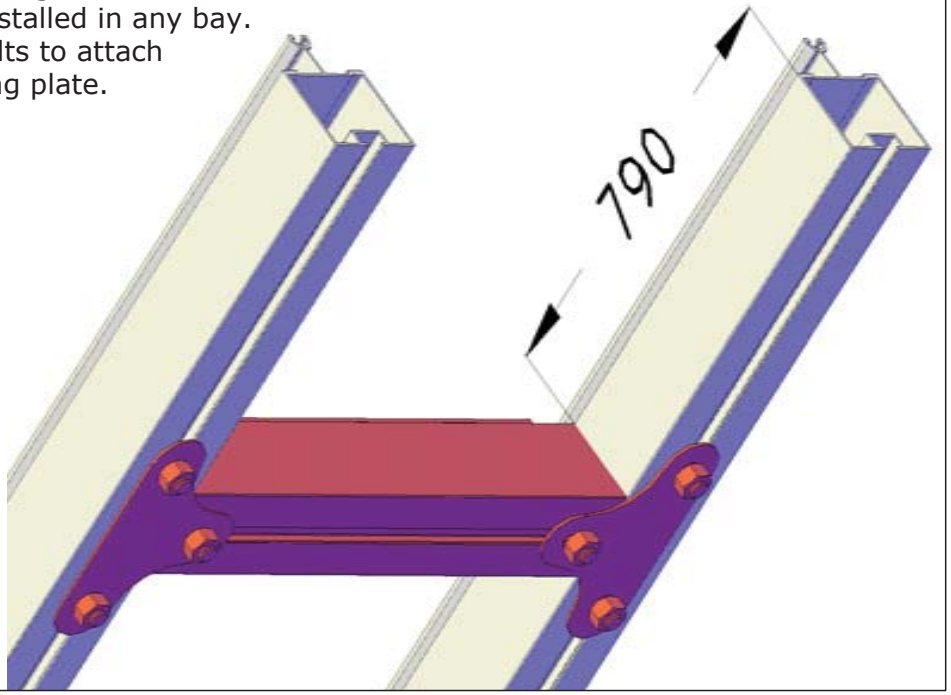


Crossbar for framing roof vent opening. Roof Vents can be installed in any bay. Insert bolts to attach connecting plate.





STOP! Please read the following...

You are now ready to install your glazing.

Tips for installing your glazing (more detailed steps/diagrams follow - this is an overview):

Use the provided (or other) glass suction cup - it helps a lot!

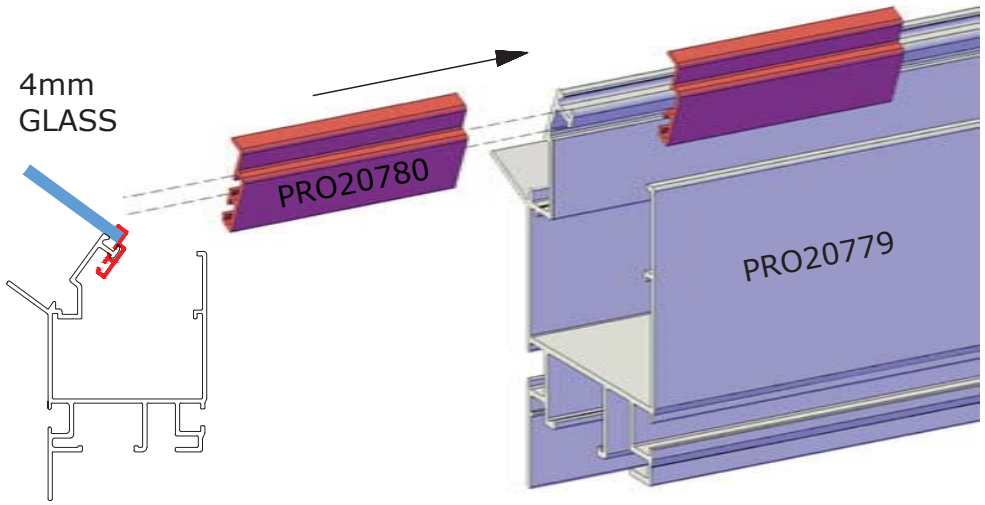
Wait until the end to install your roof vents - it will be easier to pop through the openings as needed to place the roof pieces and gaskets.

You will either have silicone glass glue to use on the glass panes OR red shims and silicone. These are both exceptionally good to use in areas with significant wind to help stabilize the structure. See following pages for details.

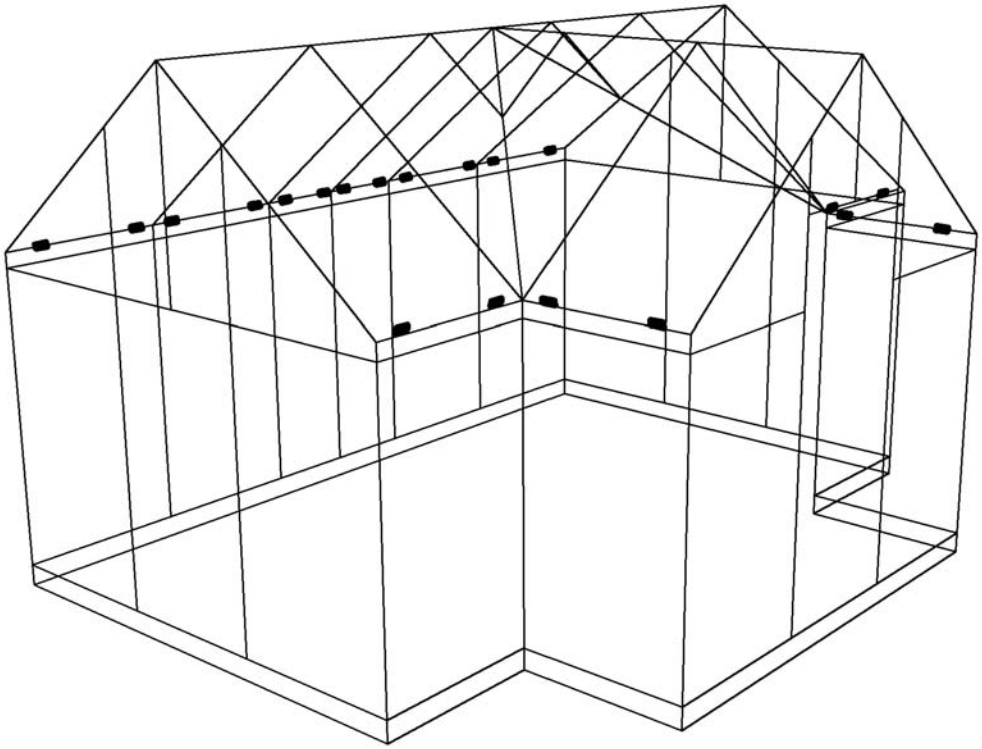
Start with your small, angled gable ends and your smallest roof valley pieces. For the smallest corner pieces, you may need to remove the vertical profile (PRO1456) next to it. Place the glazing, then replace profile. Secure the glass with the heavy duty gasket (PRO1748) on the verticals. Insert the crescent gasket (E400330) into the eaves (see figure on following pages) - it will be held in a flange that is further up than the one you can see.

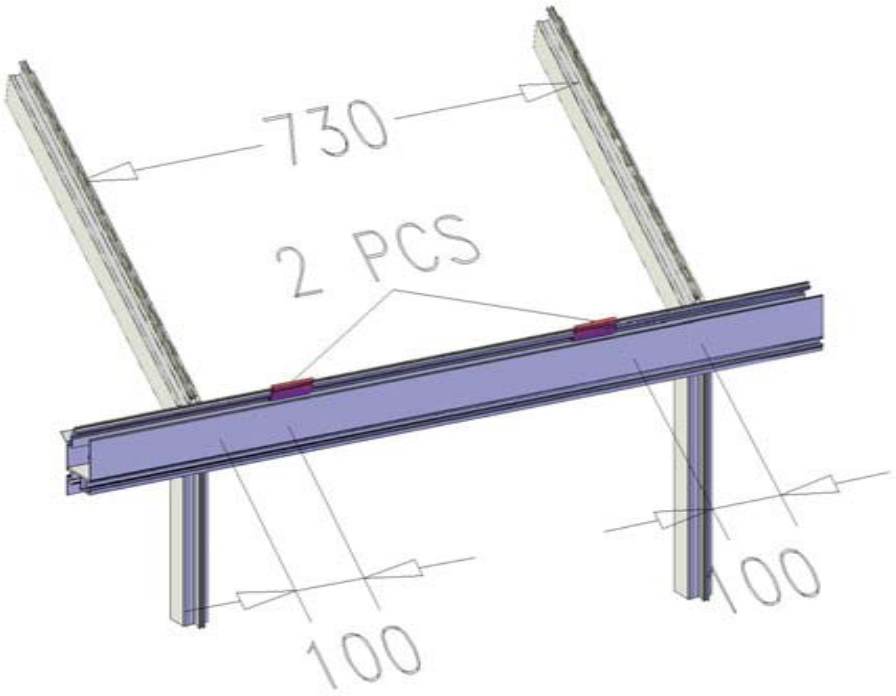
Do the roof next - always work one pane at a time! Slide top edge of glass into the ridge beam and set bottom into glassholder (PRO20780). Place one pane, then insert crescent gasket (E400330) into ridge and heavy duty gasket (PRO1748) into the channel on the rafter (PRO1456) on the far side of the glass. Place the next piece of glazing, then insert crescent gasket into ridge and the heavy duty gasket into the rafter on the far side. Repeat for the rest of the roof. You will also add the heavy duty gasket into the crossbar (PRO1456) that frames the roof vent openings.

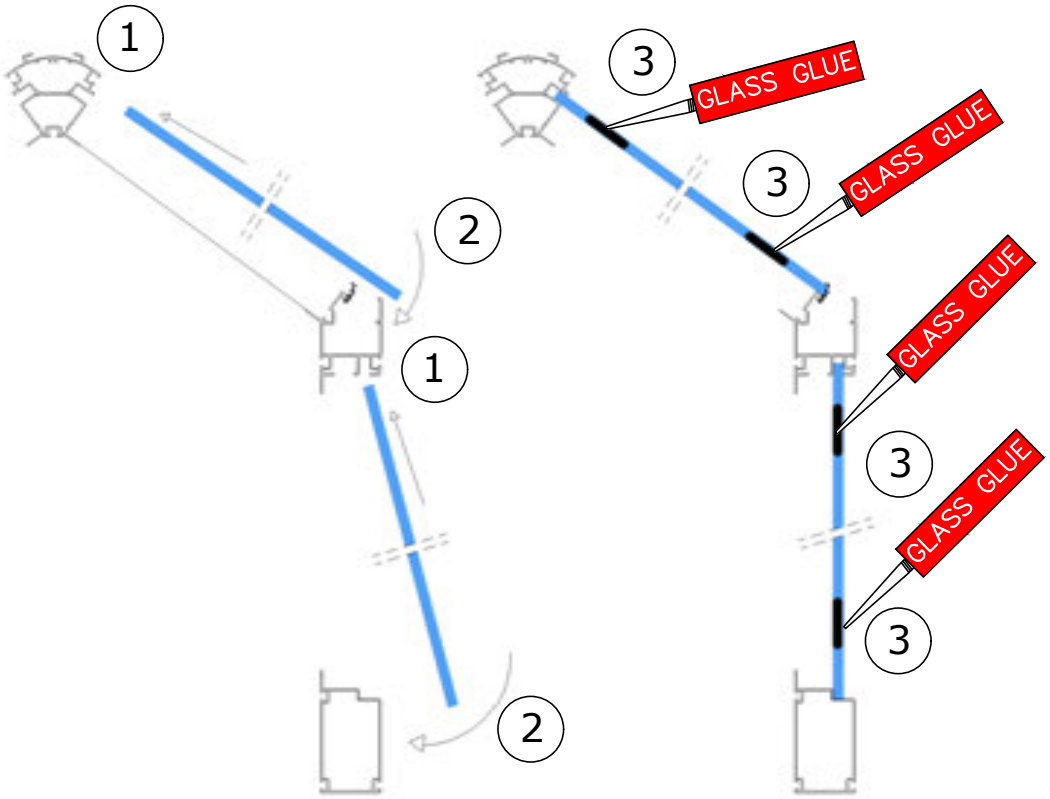
Finally place your sidewall panes, working one at a time. Place a panel, then secure one side with heavy duty gasket(PRO1748), place next panel, then secure where the two panel meet with gasket (PRO1748). **NOTE:** The crescent gasket (E400330) is **NOT** inserted at the top of the sidewall. There will be no gasket there.

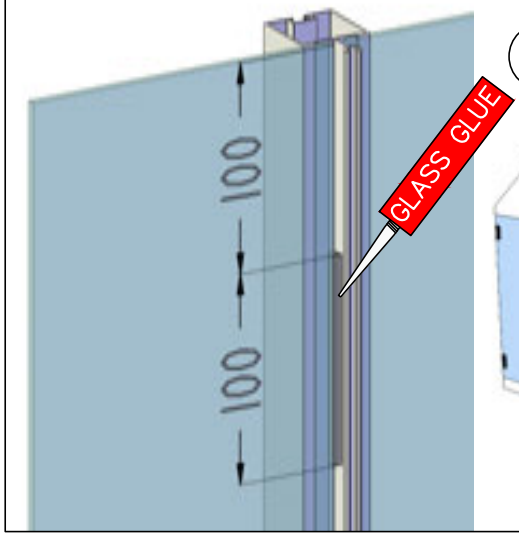


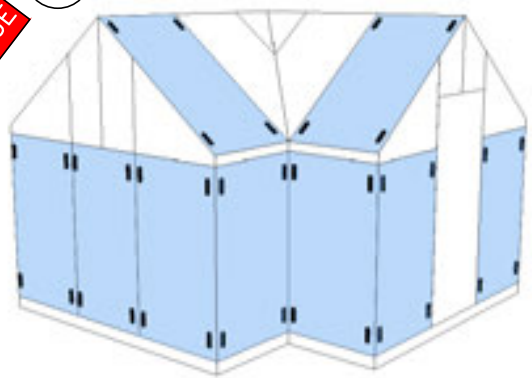
Find your Glass Holders in are found with your gutter pieces and other hardware. Glazing supports slide onto the gutter profile, space them 100mm or 4 inches from each roof profile.



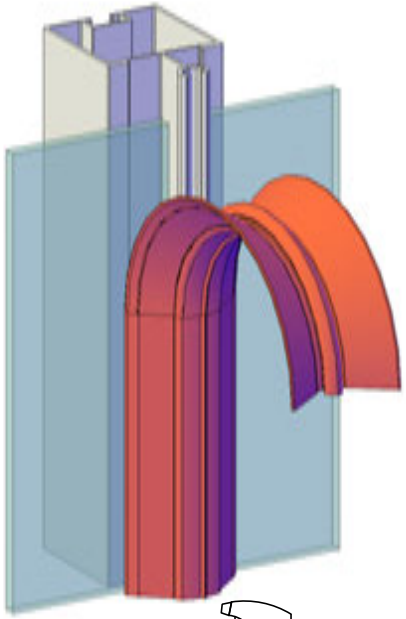


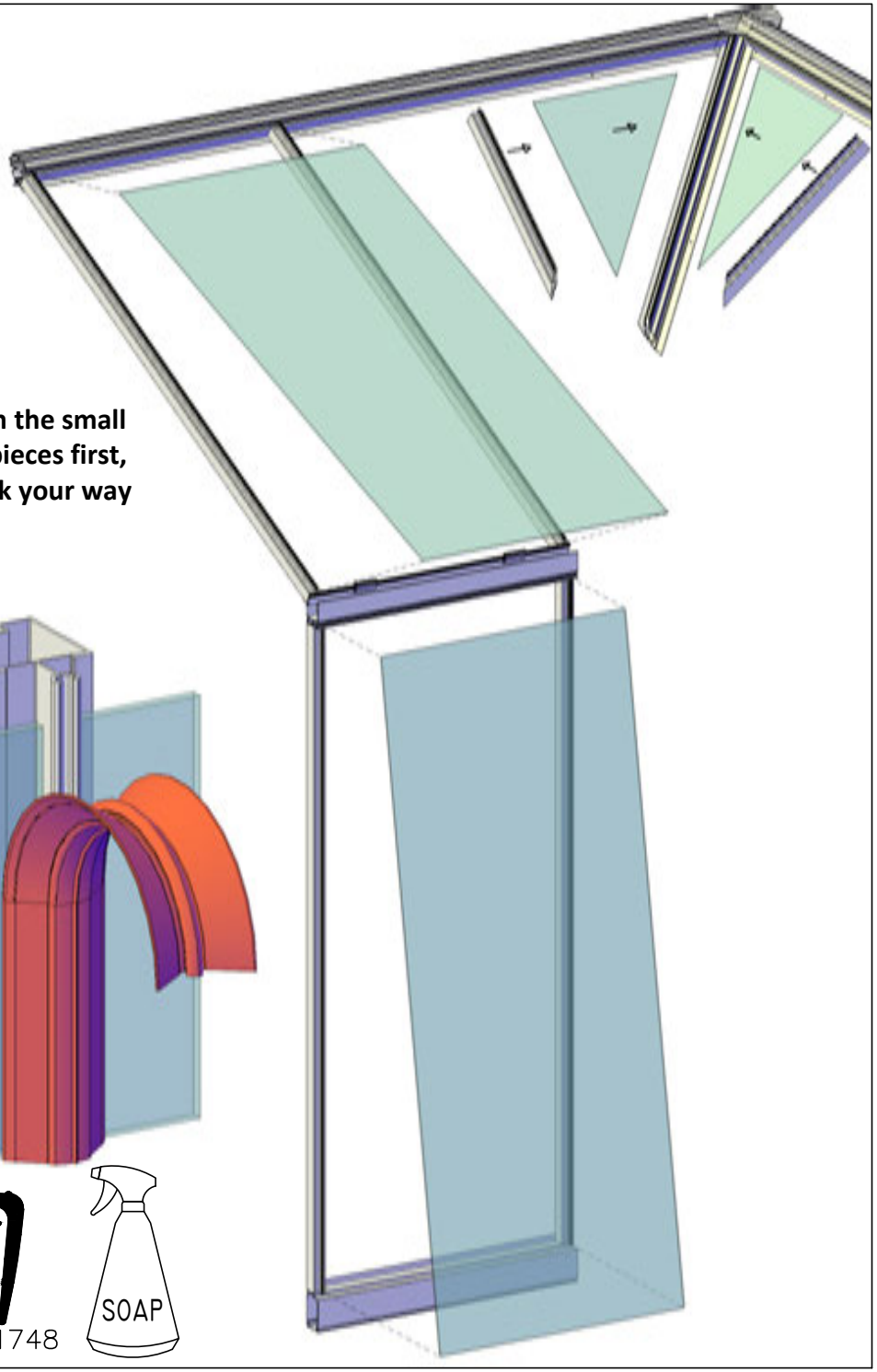


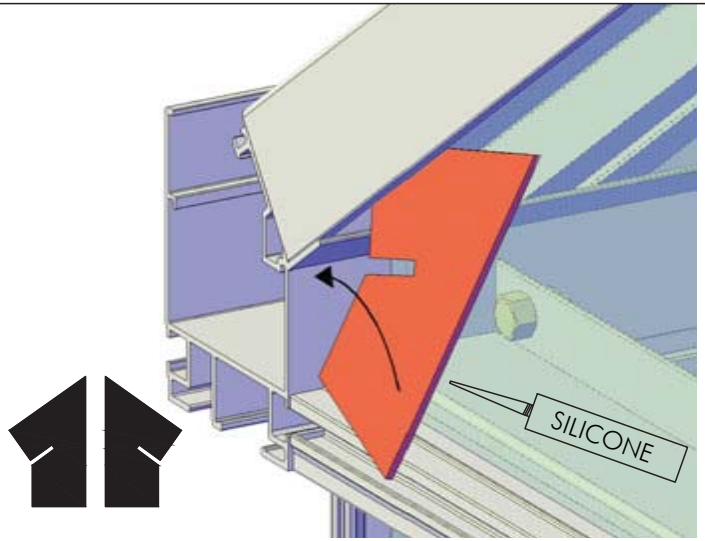


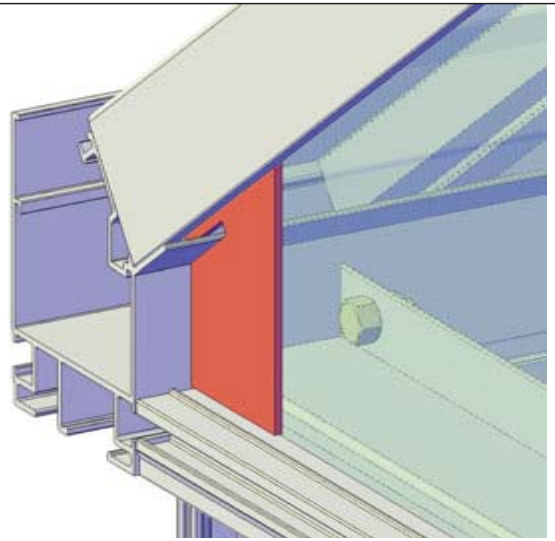


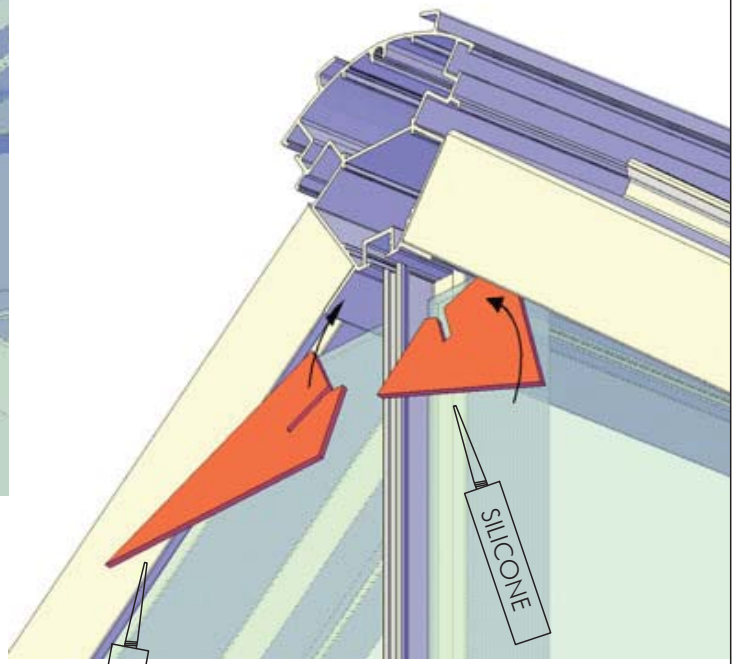
Start with the small triangle pieces first, then work your way out






SILICONE

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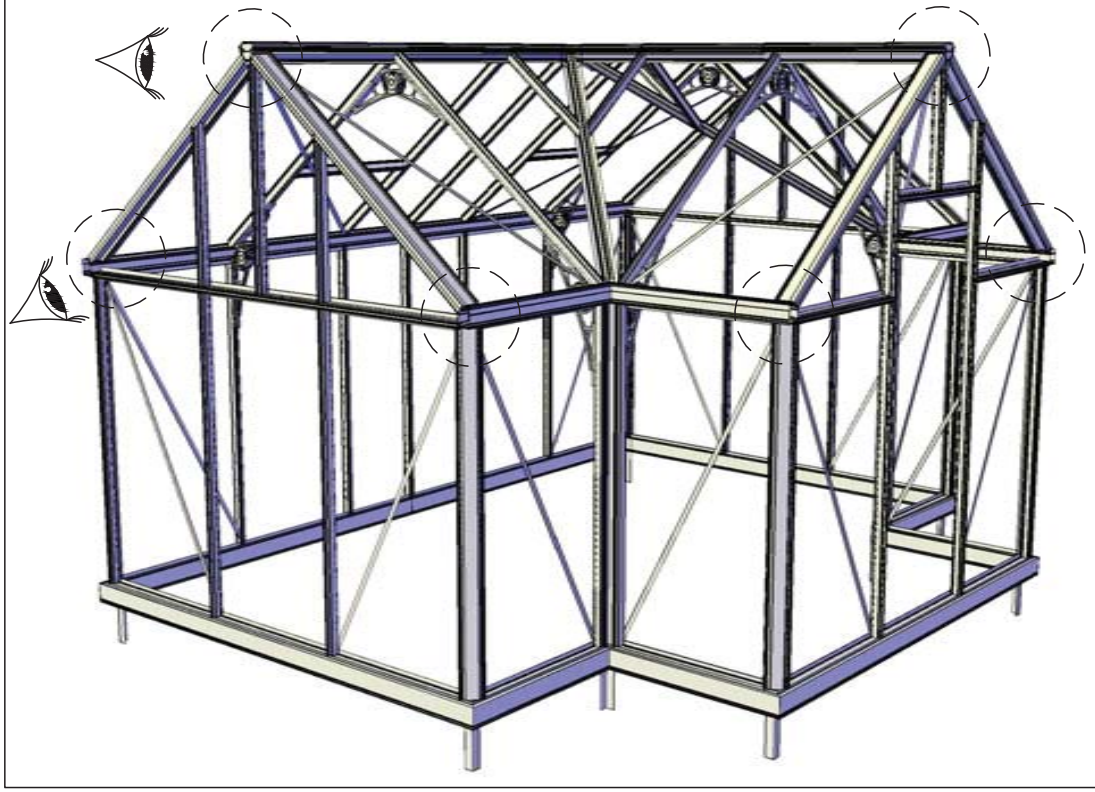
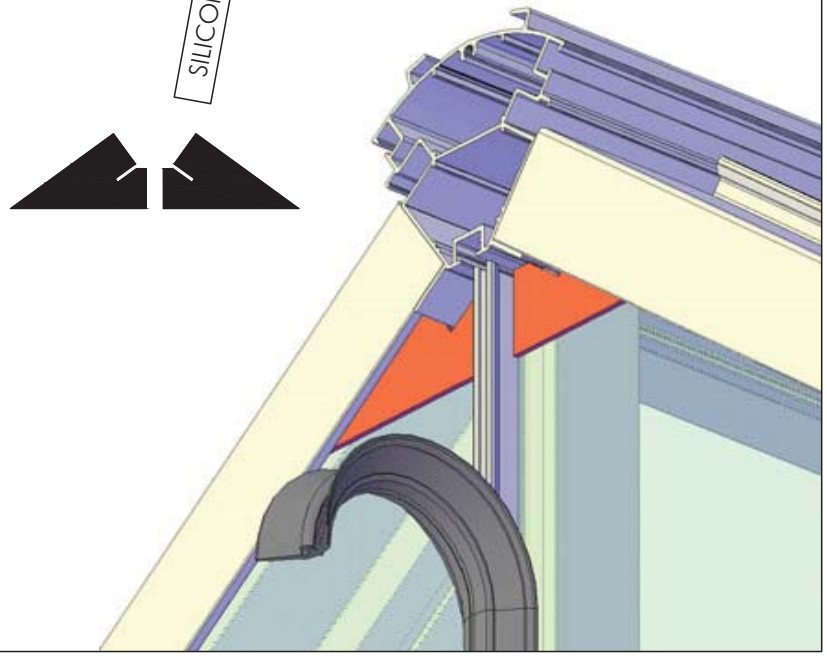
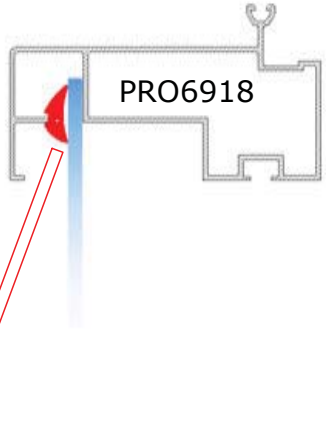


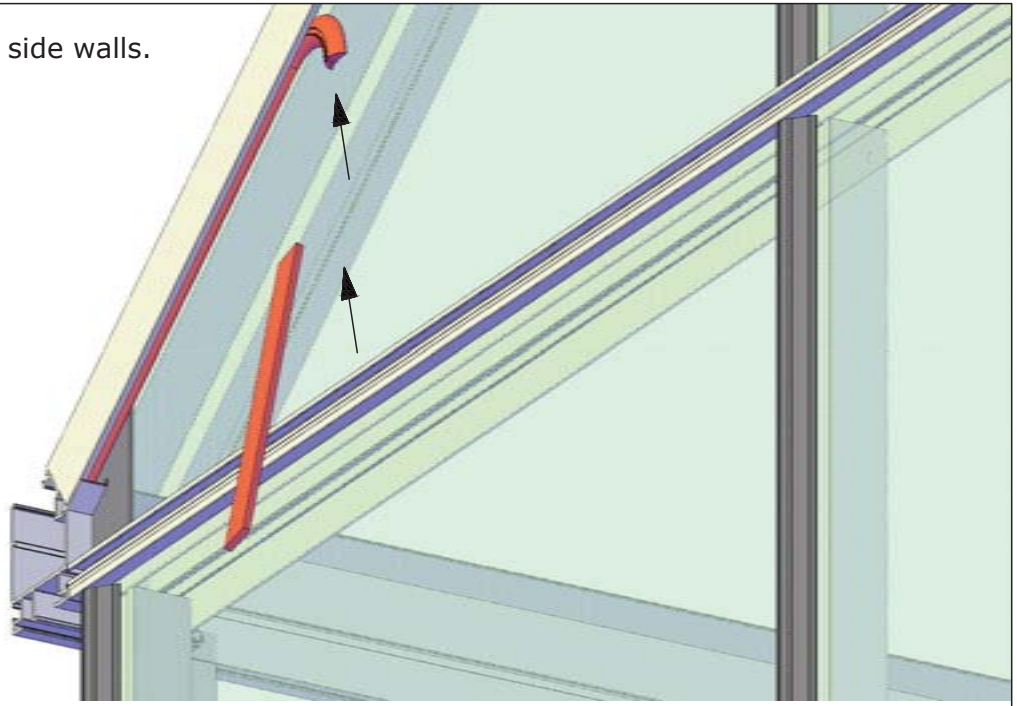

SILICONE

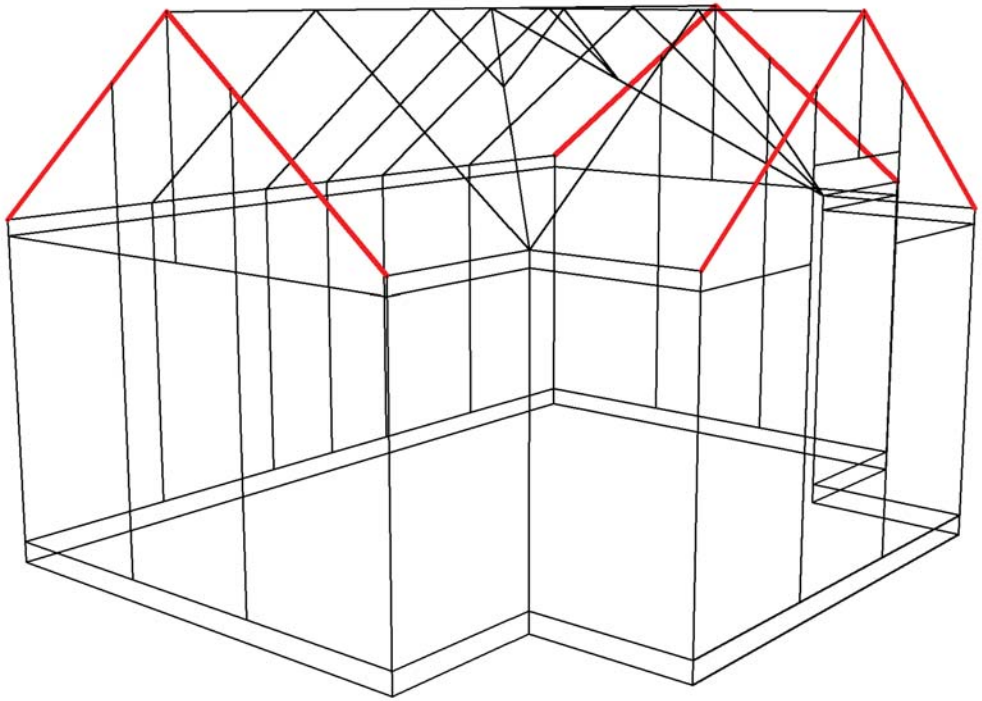
NOTE: Crescent seal is only installed in the eaves and roof. Not along side walls.

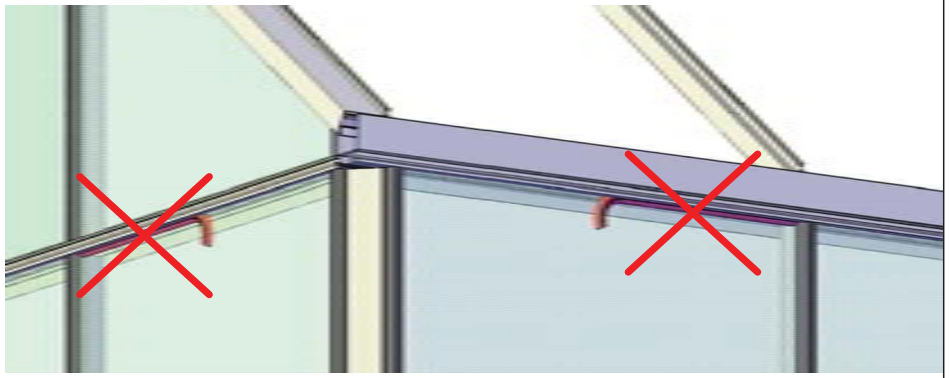
E400330

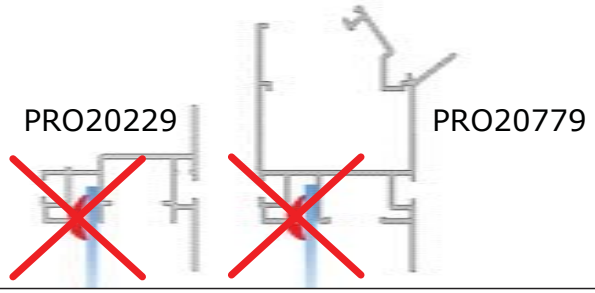


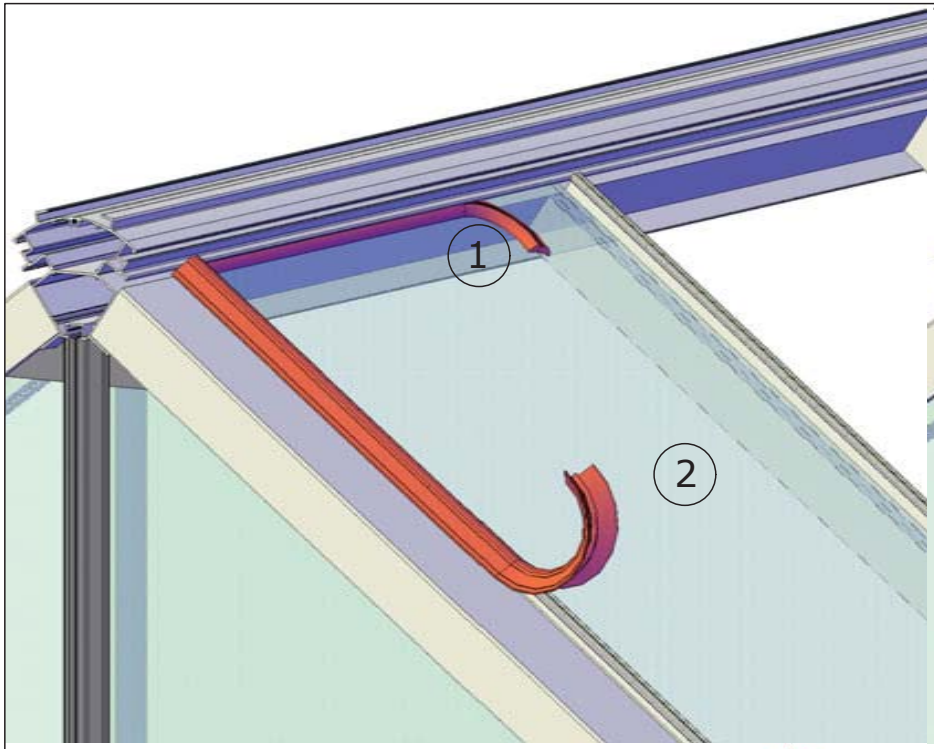
It helps to use a tool to push the gasket up under the eaves. Note that it inserts under the second flange further up.



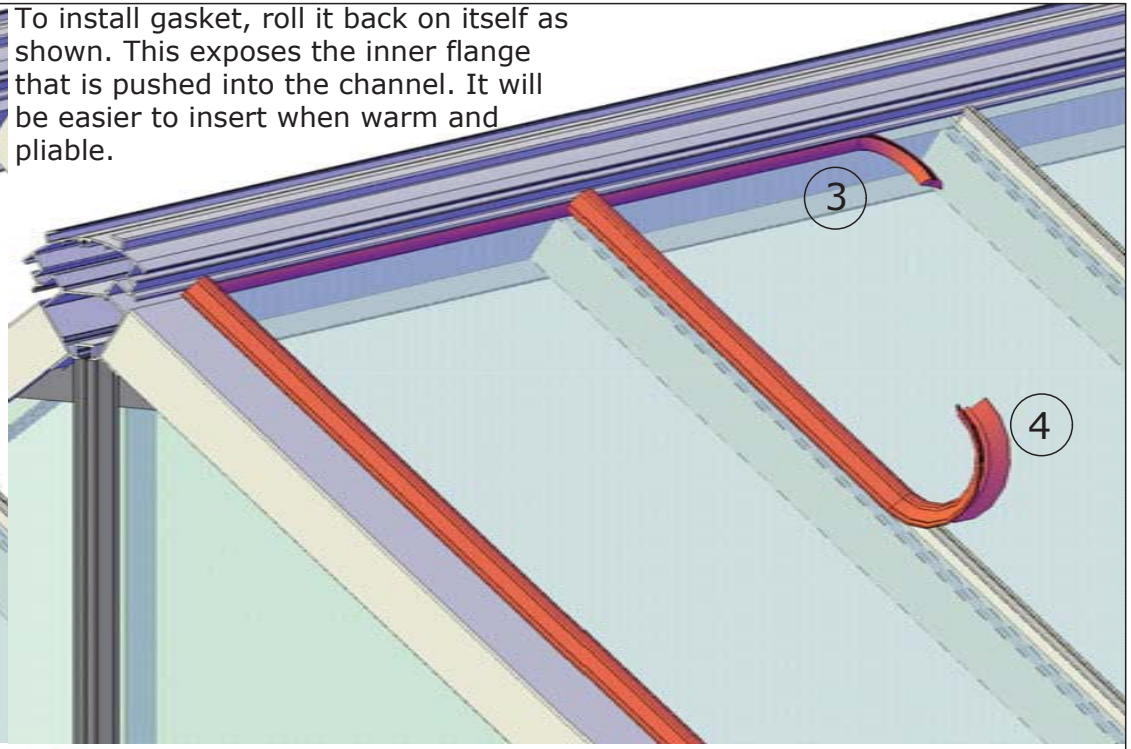


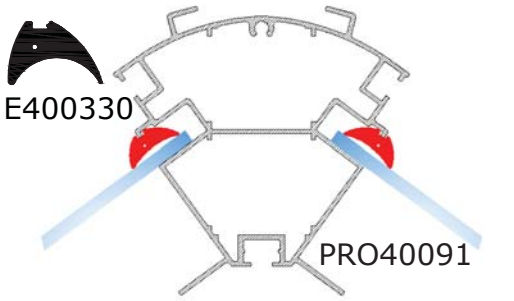


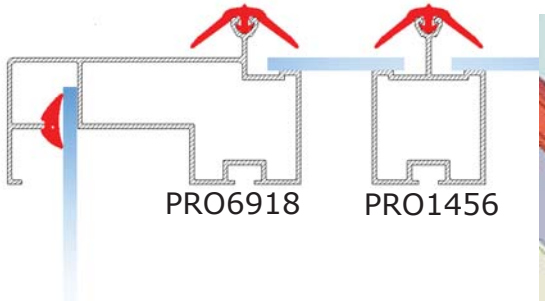


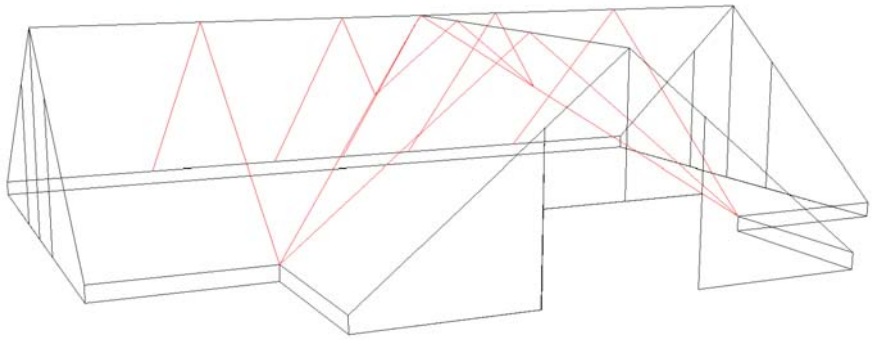


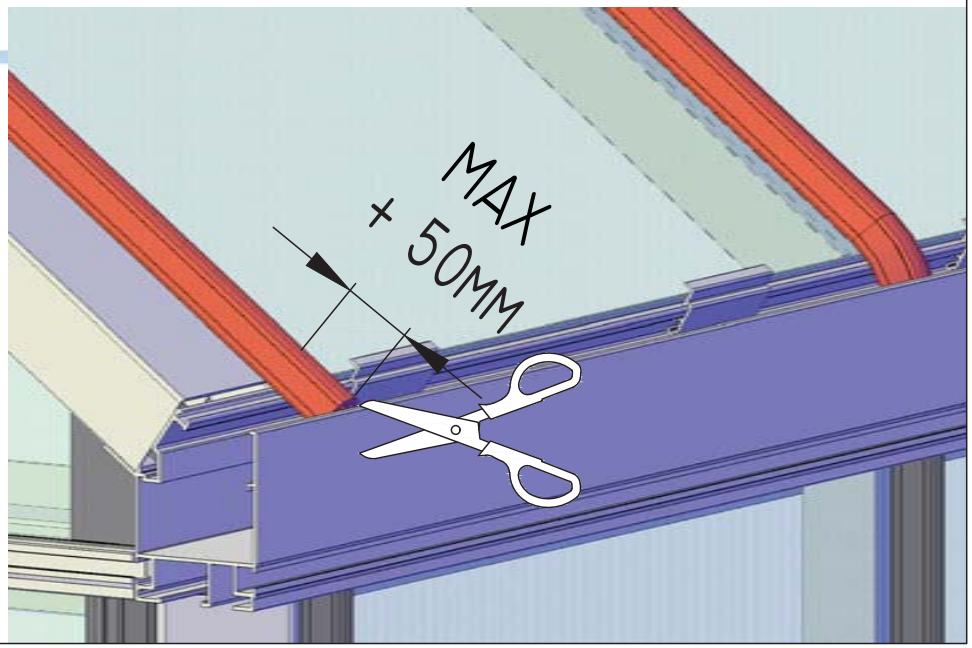
To install gasket, roll it back on itself as shown. This exposes the inner flange that is pushed into the channel. It will be easier to insert when warm and pliable.











ACCESSORIES

This section contains many of the optional accessories. You will have some, but likely not all, items seen in this section.

IMPORTANT: Scan the QR Codes below for Janssens Accessory installation video and the accessories page on our website!

Animated Assembly Video for Accessories

EXACO Accessories Page

OPTION: Greenhouse on a stem/knee wall SD_MUR

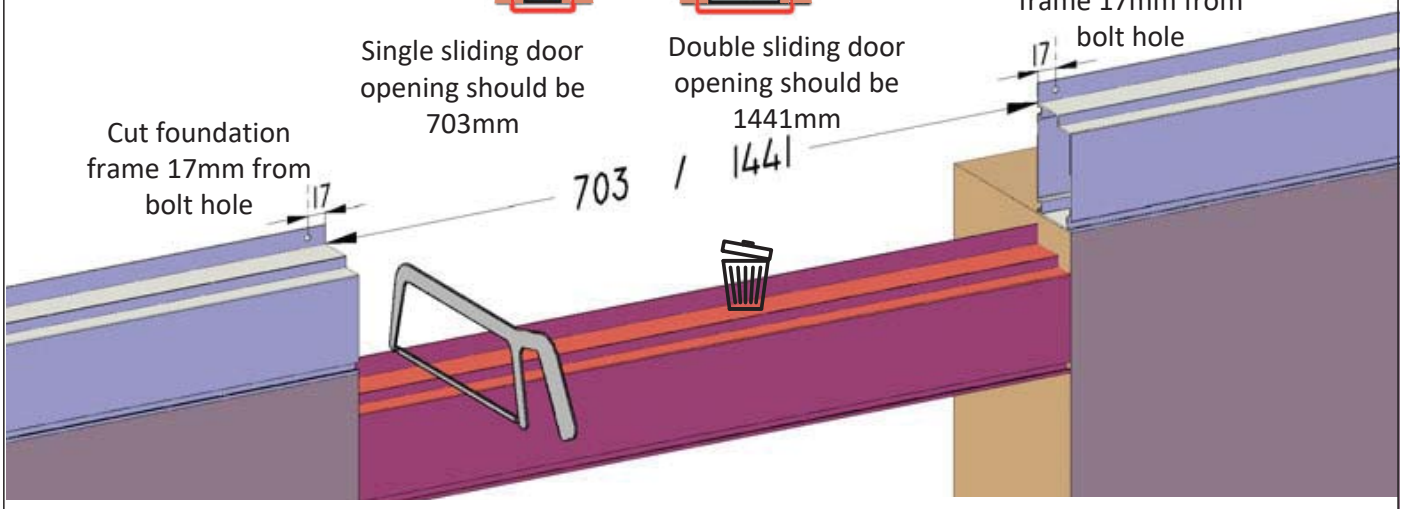
KSD_70

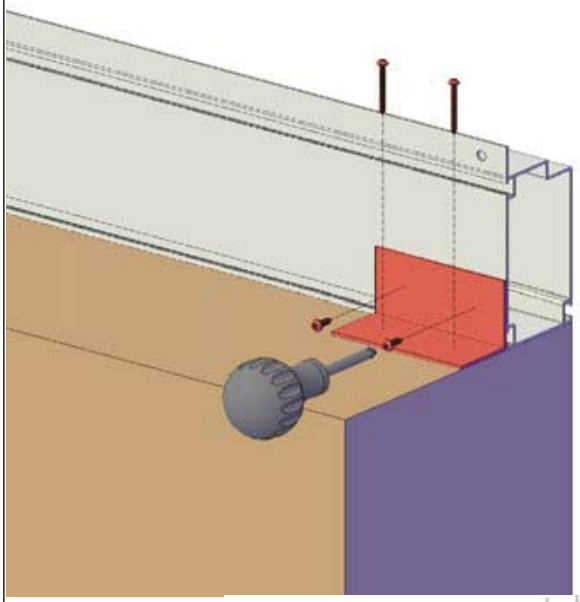
Single sliding door opening should be 703mm

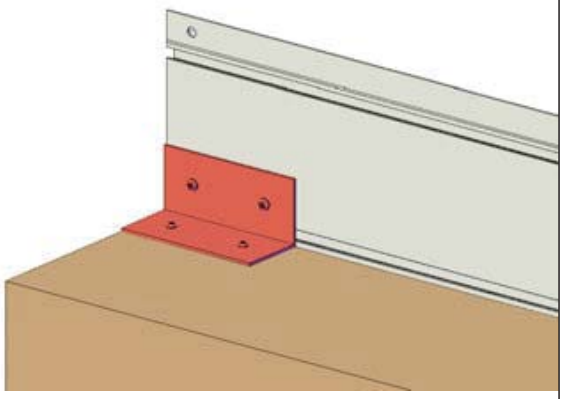
KSD_144

Double sliding door opening should be 1441mm

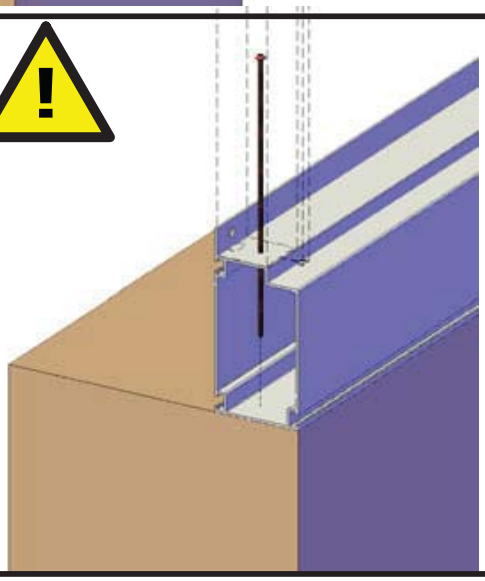
Cut foundation frame 17mm from bolt hole



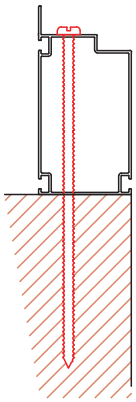




ALTERNATIVE



(hardware not included)



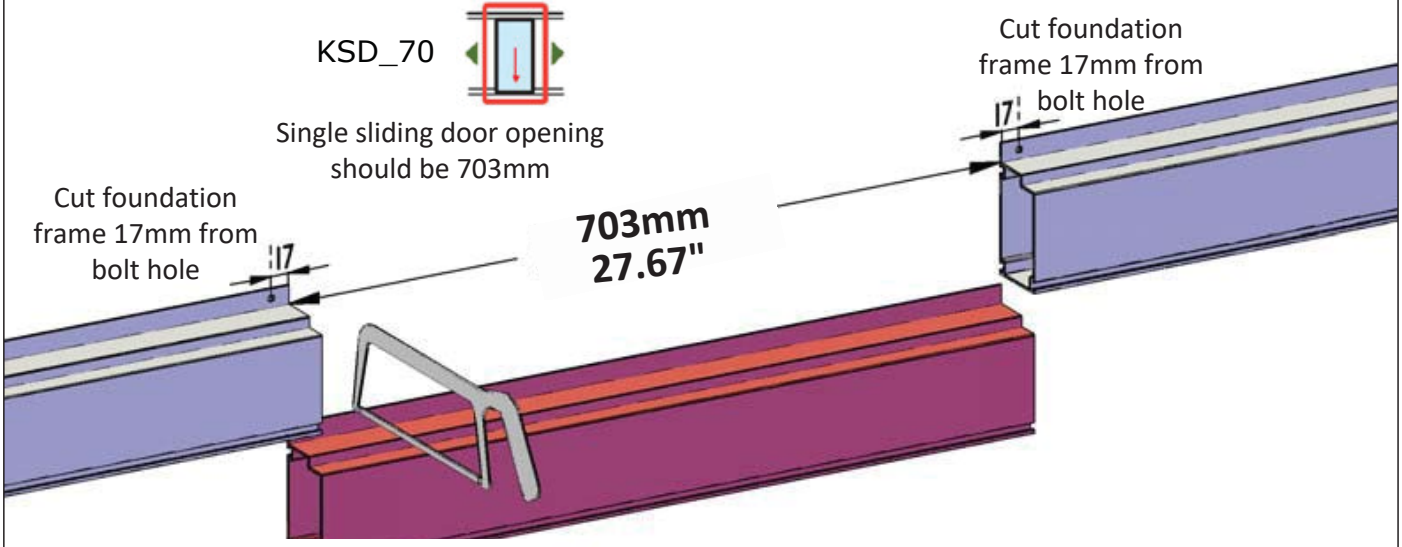
SD MUR_1

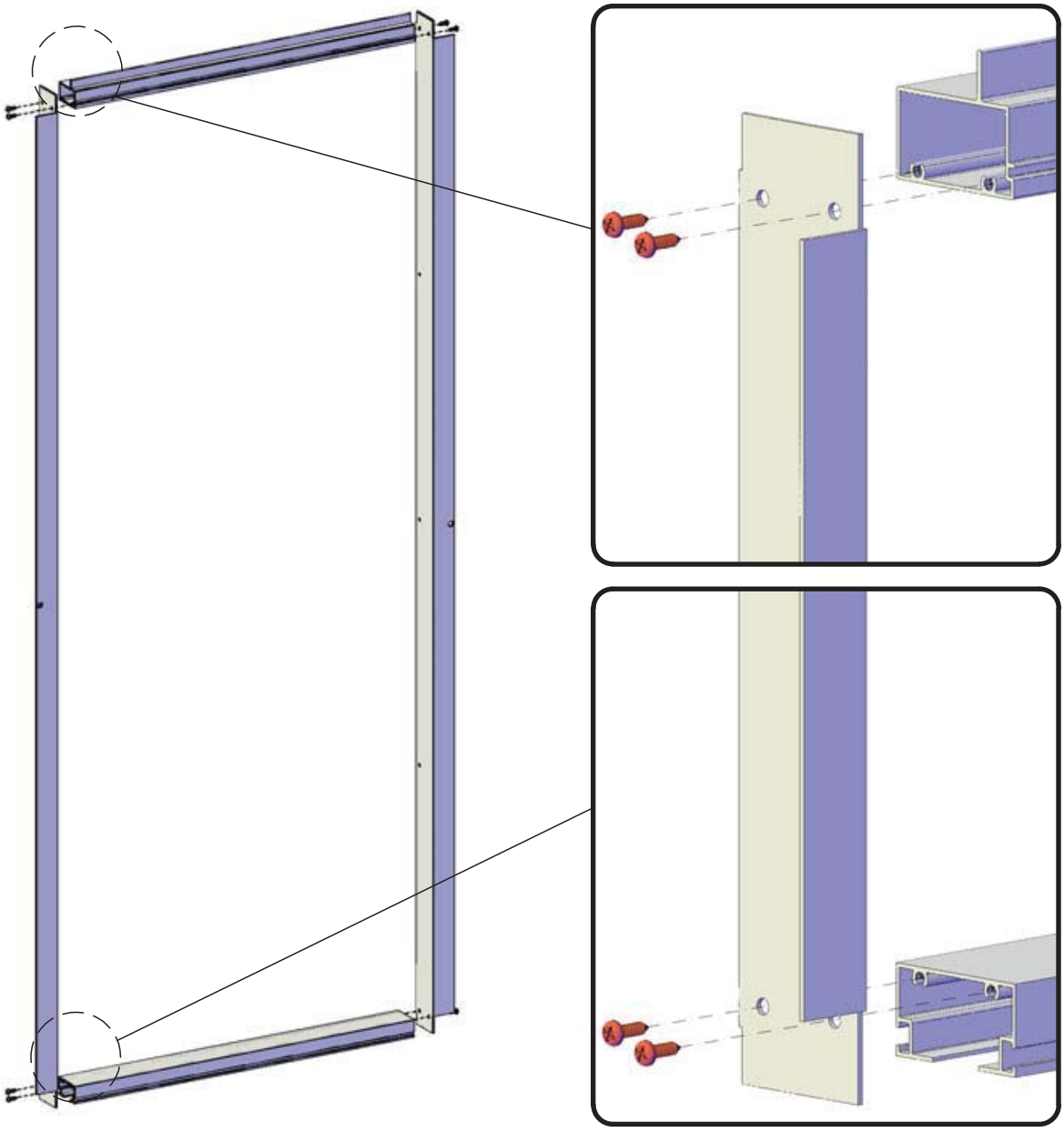
OPTIONAL UPGRADE: Fall 2022
Low Threshold for Sliding Door/s

KSD

KSD_70

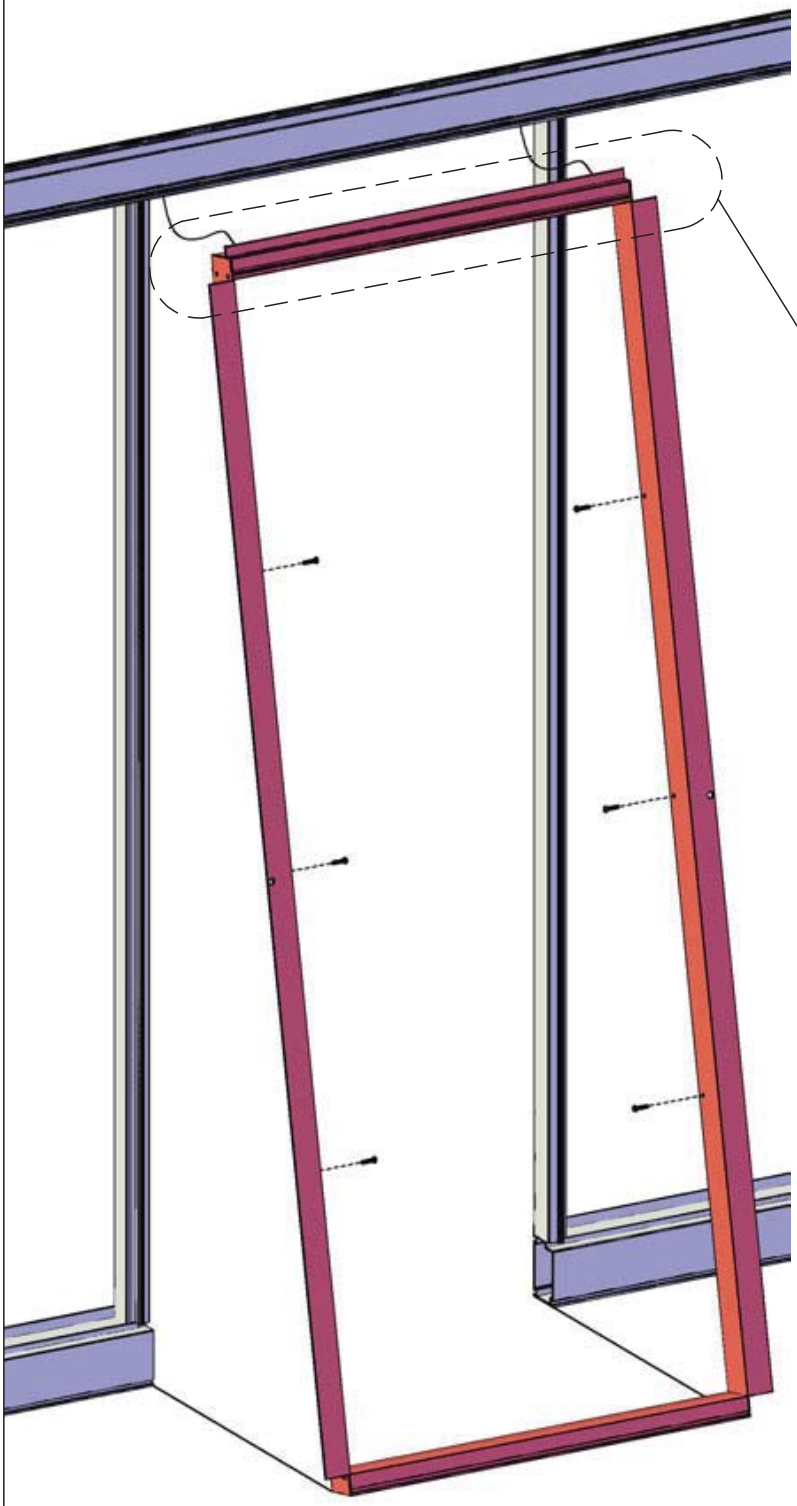
Single sliding door opening should be 703mm

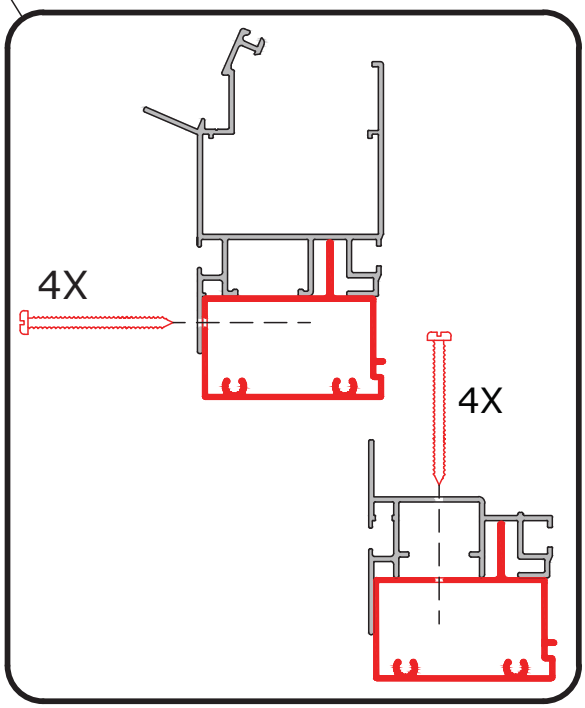


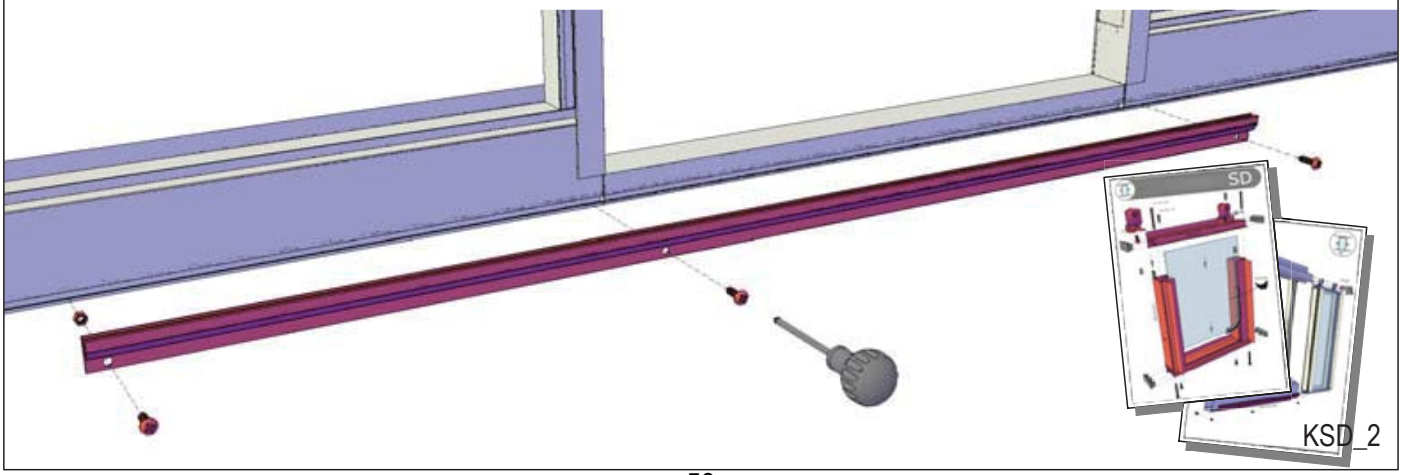


KSD_1

OPTIONAL UPGRADE: Fall 2022 - Low Threshold for Sliding Door/s







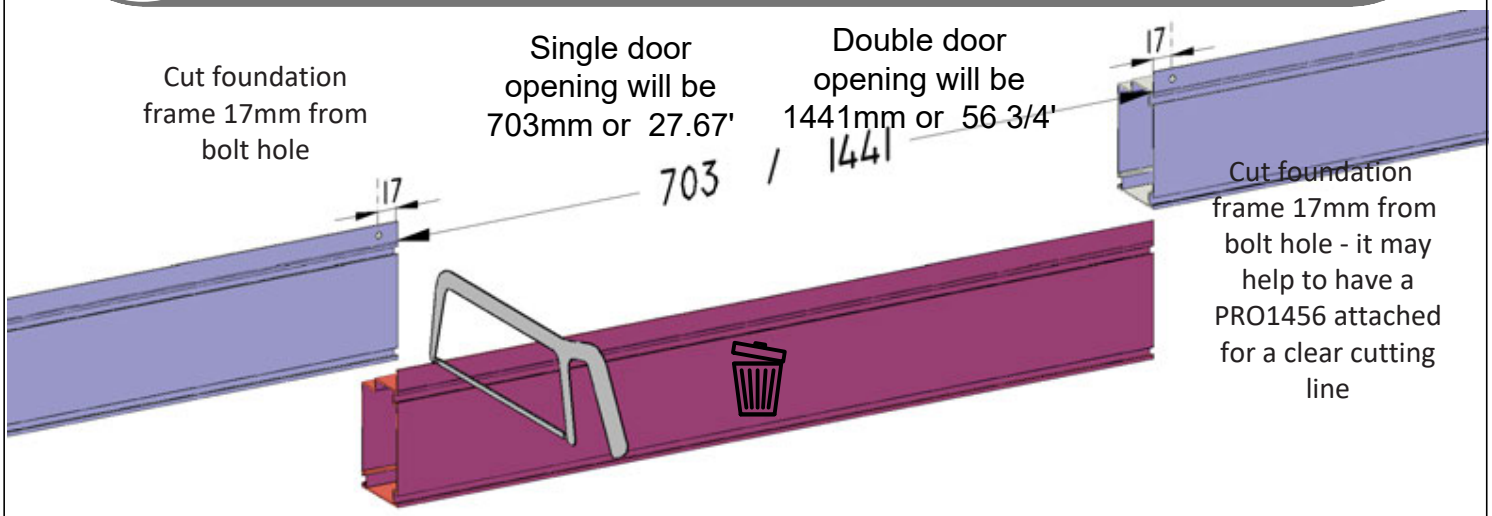
OPTIONAL UPGRADE:
late 2024 low threshold kit

SDL

Cut foundation frame 17mm from bolt hole

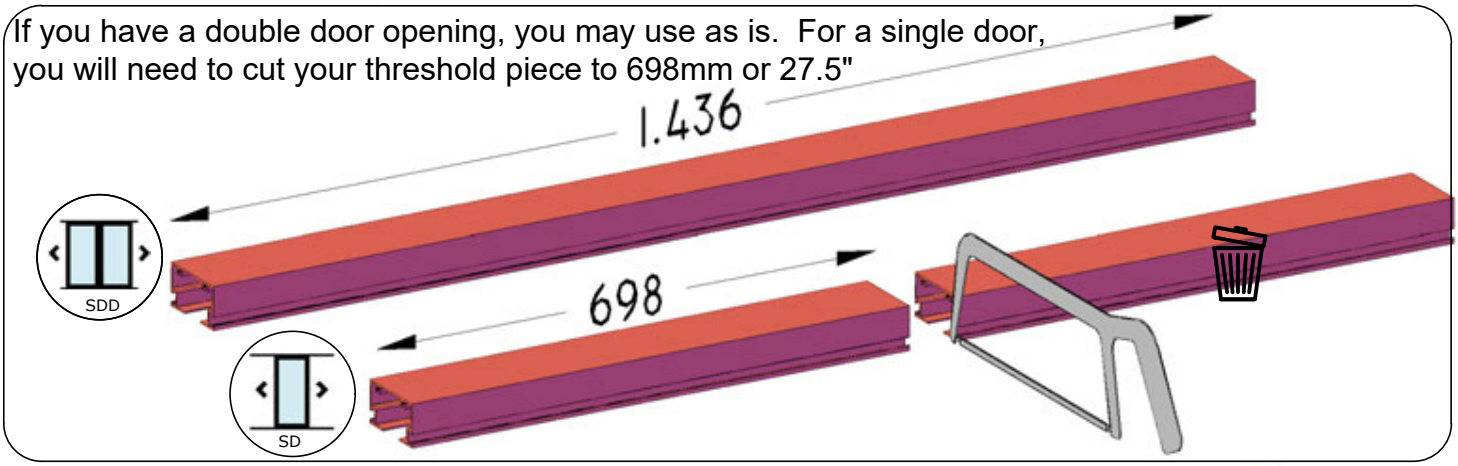
Single door opening will be 703mm or 27.67'

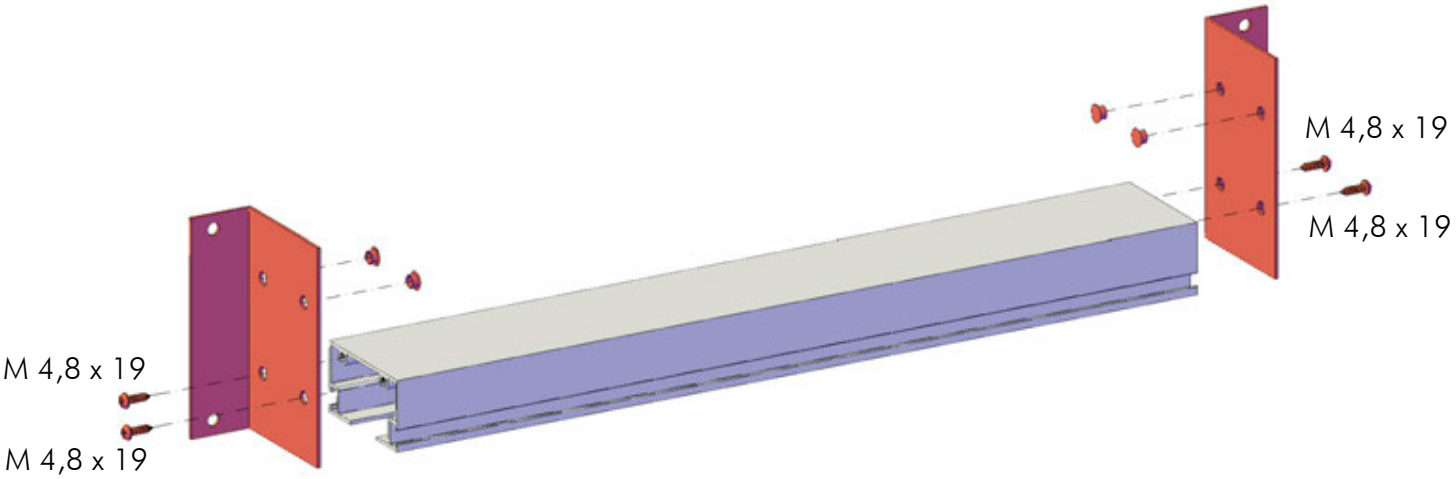
Double door opening will be 1441mm or 56 3/4'

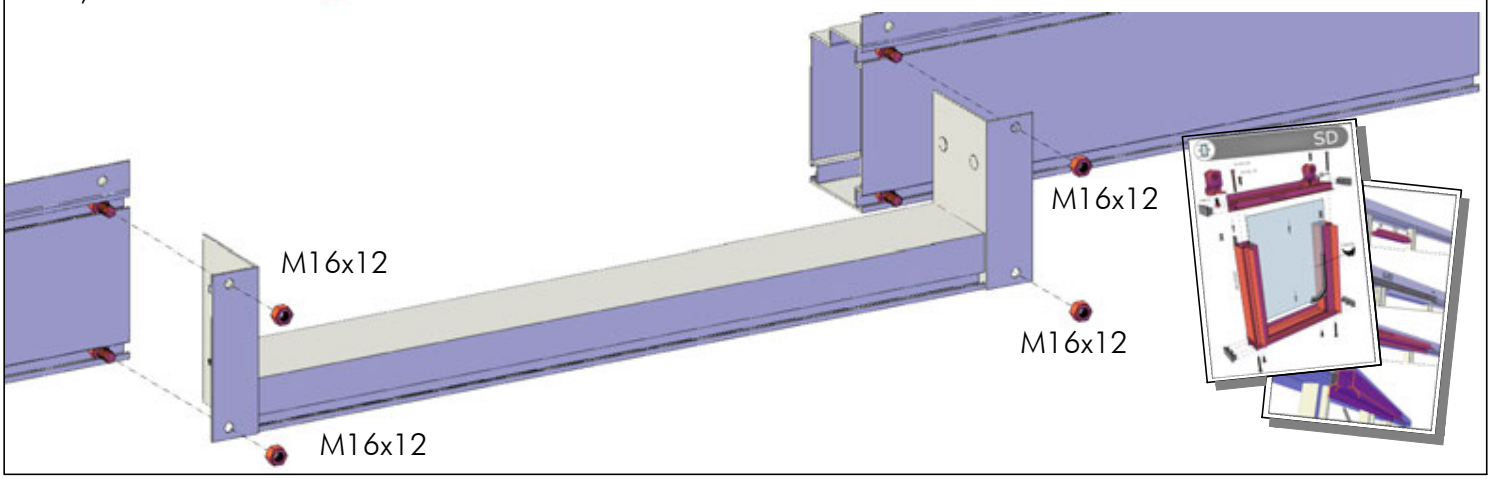


Cut foundation frame 17mm from bolt hole - it may help to have a PRO1456 attached for a clear cutting line

If you have a double door opening, you may use as is. For a single door, you will need to cut your threshold piece to 698mm or 27.5"

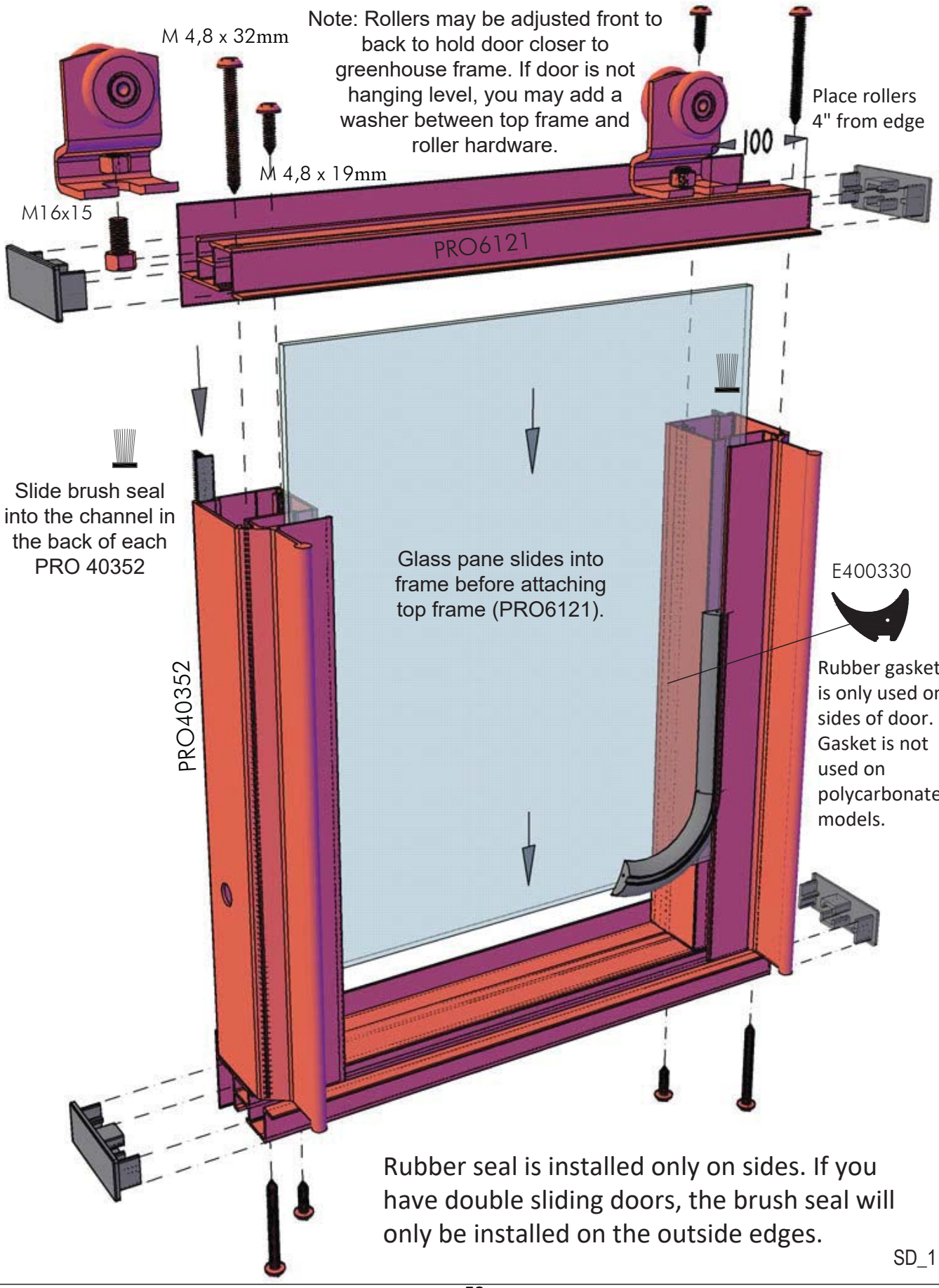






Sliding Door - Junior greenhouses come standard with a single sliding door

SD



Note: Rollers may be adjusted front to back to hold door closer to greenhouse frame. If door is not hanging level, you may add a washer between top frame and roller hardware.

Slide brush seal into the channel in the back of each PRO 40352

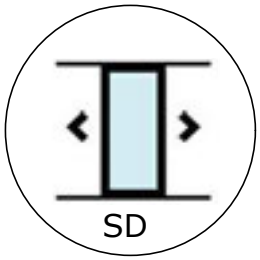
Glass pane slides into frame before attaching top frame (PRO6121).

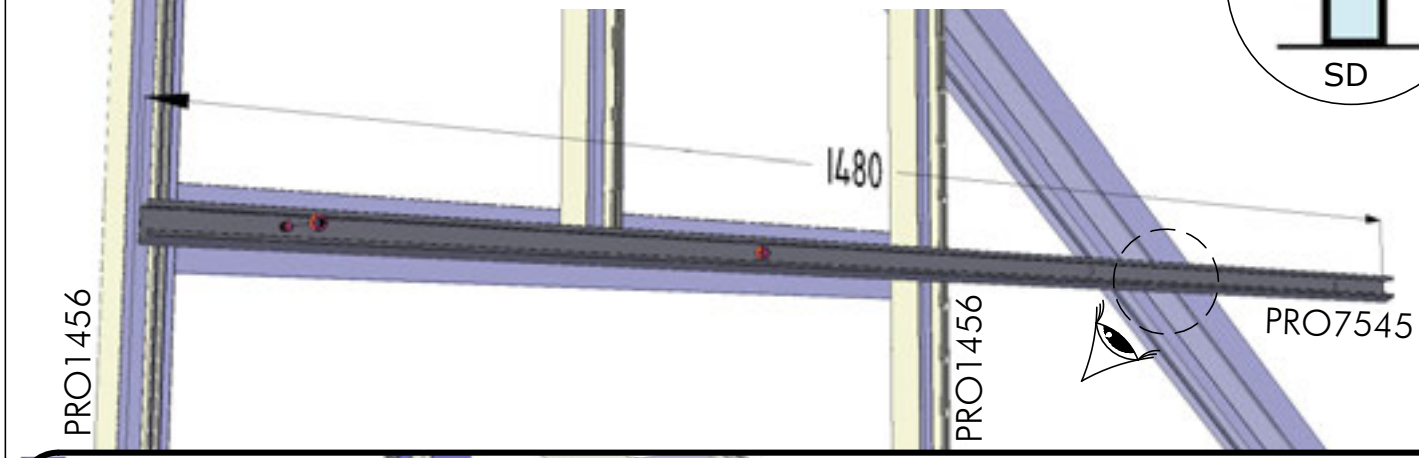
Rubber gasket is only used on sides of door. Gasket is not used on polycarbonate models.

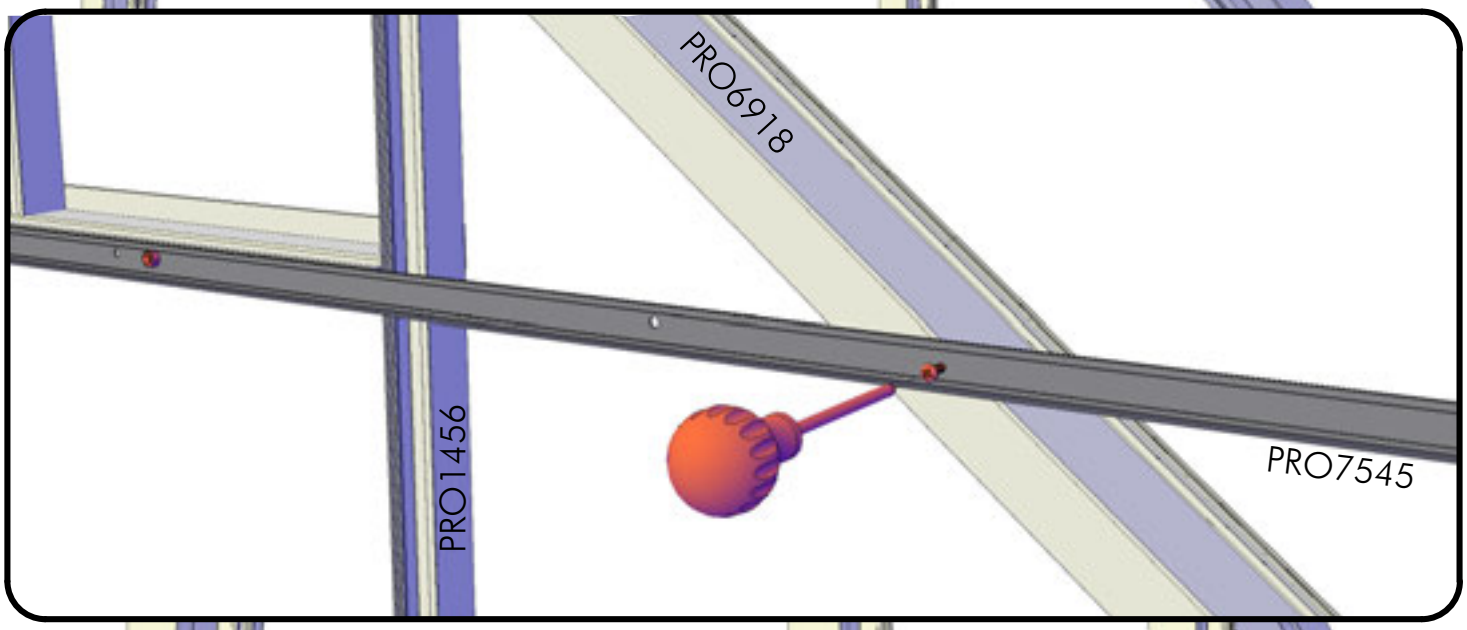
Rubber seal is installed only on sides. If you have double sliding doors, the brush seal will only be installed on the outside edges.

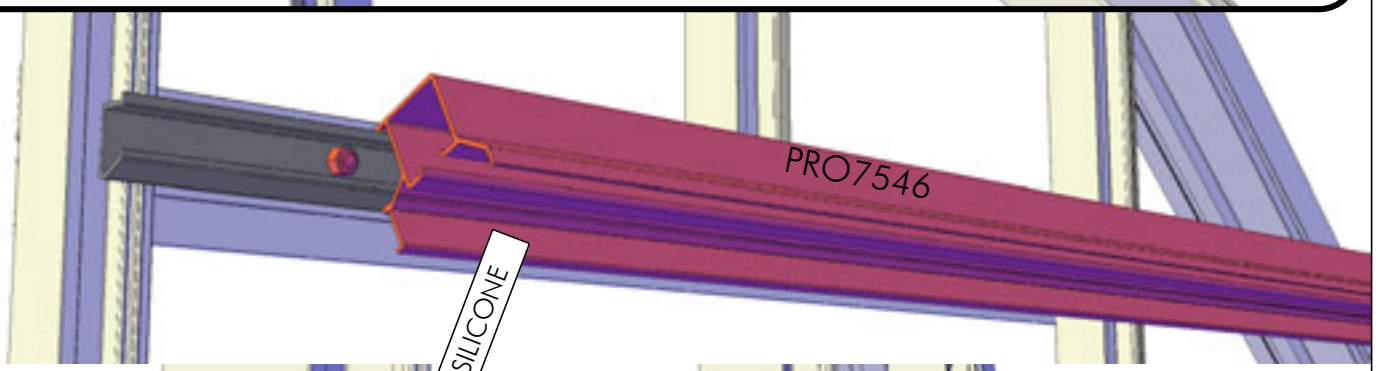
SD_1

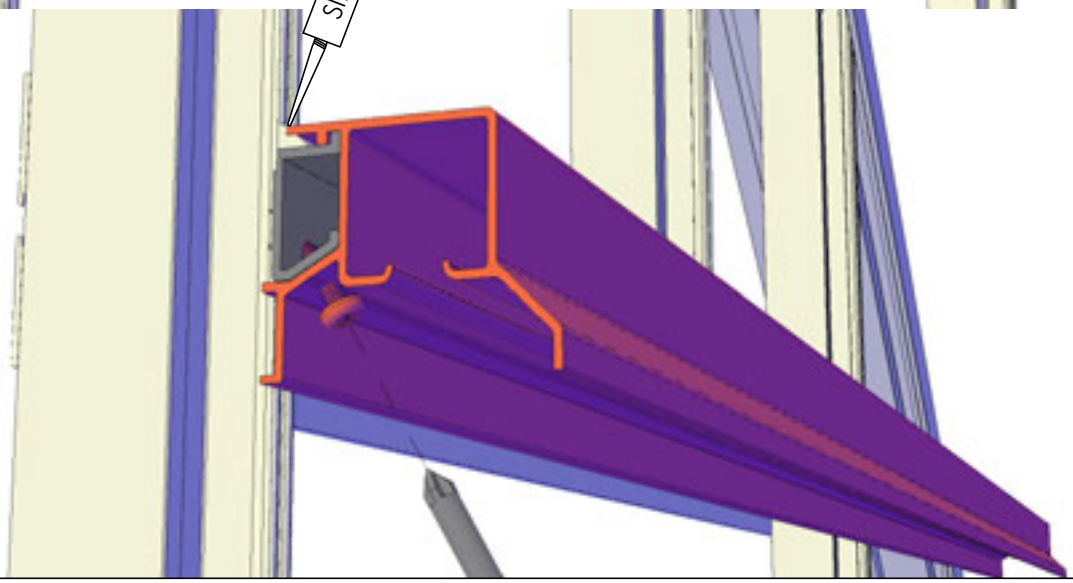
IMPORTANT: If you are installing your greenhouse on the ground (not a stem wall) mount your sliding door in this manner (next two pages). If you are mounting on a stem wall, skip the next two pages.

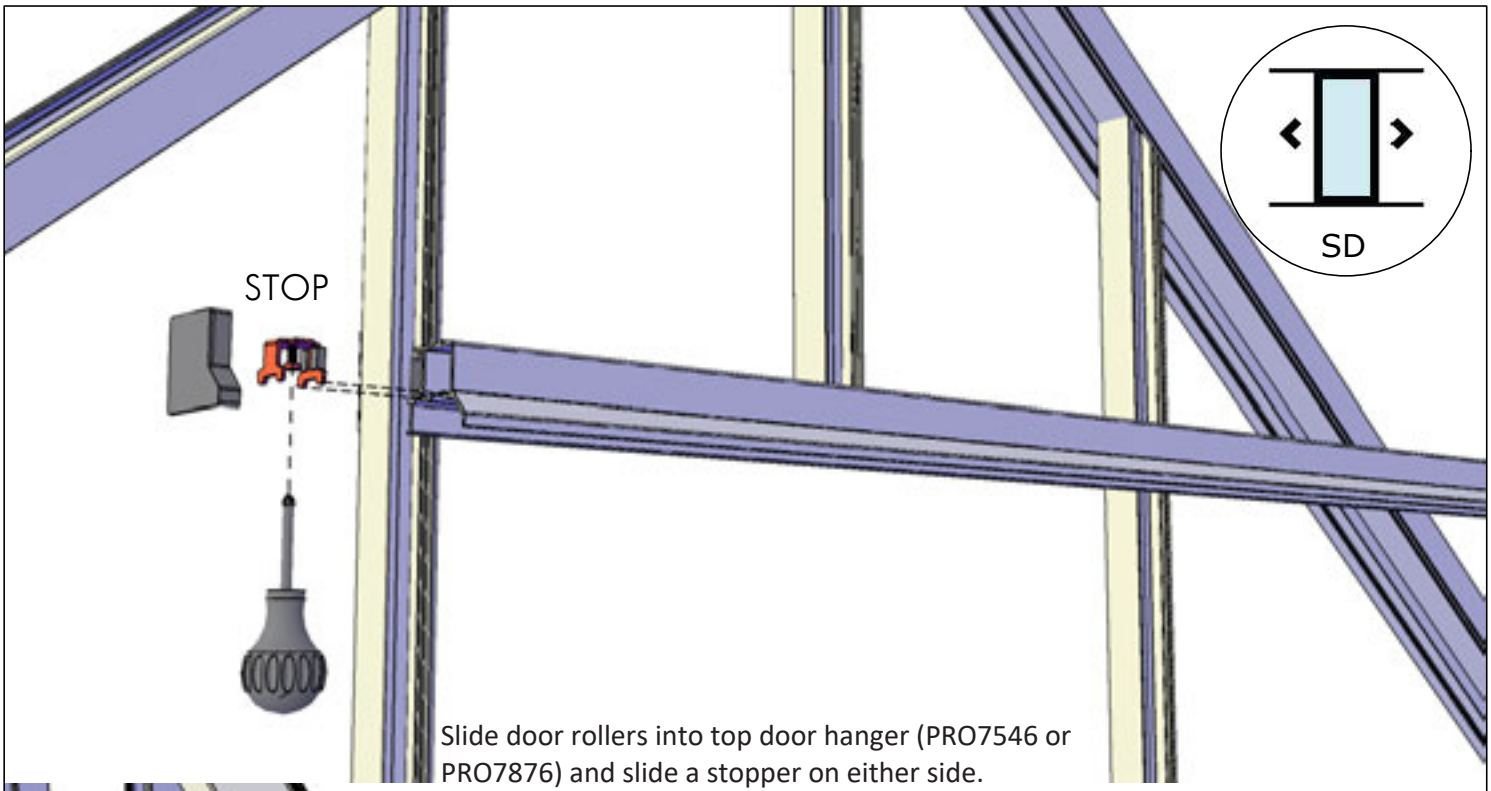




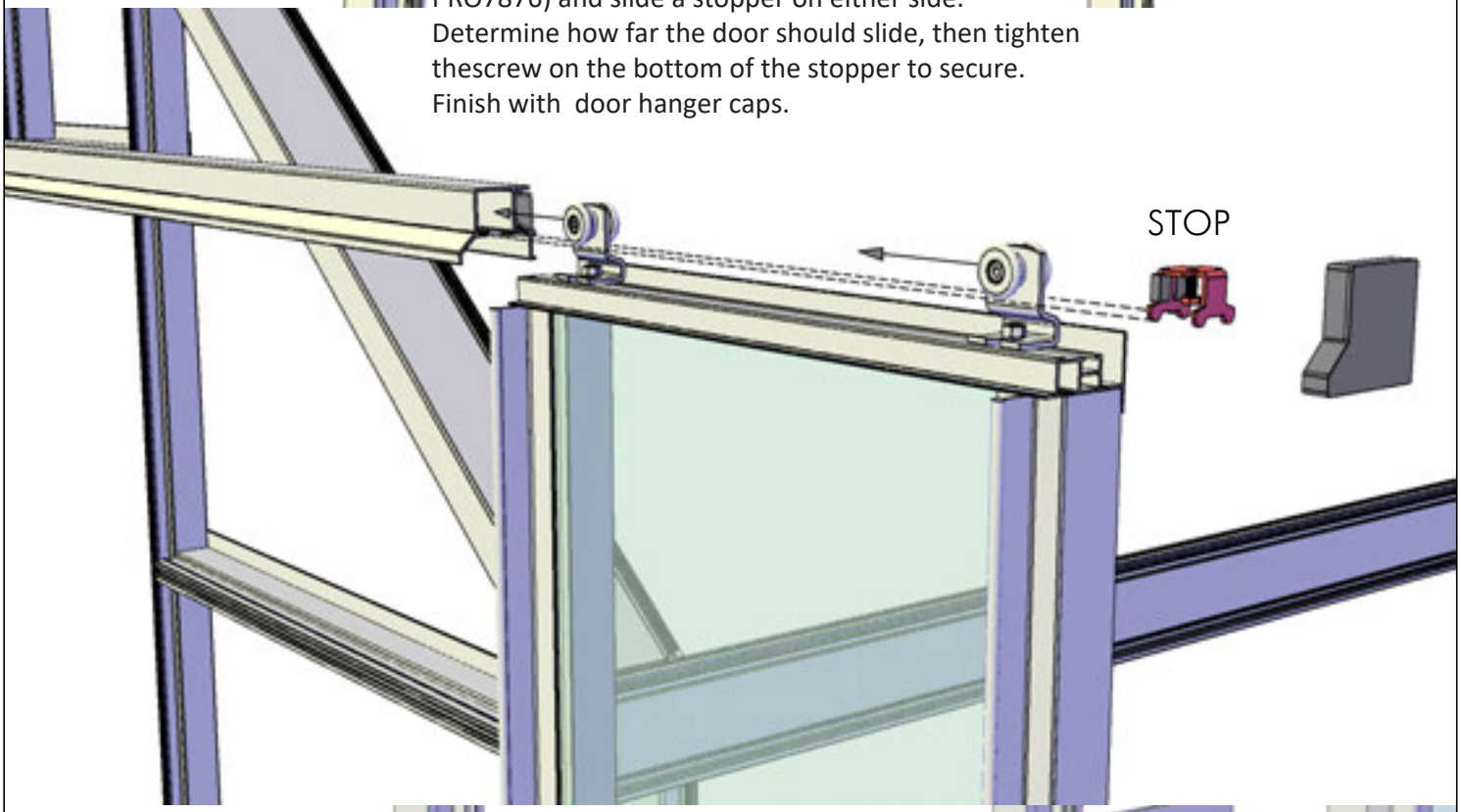


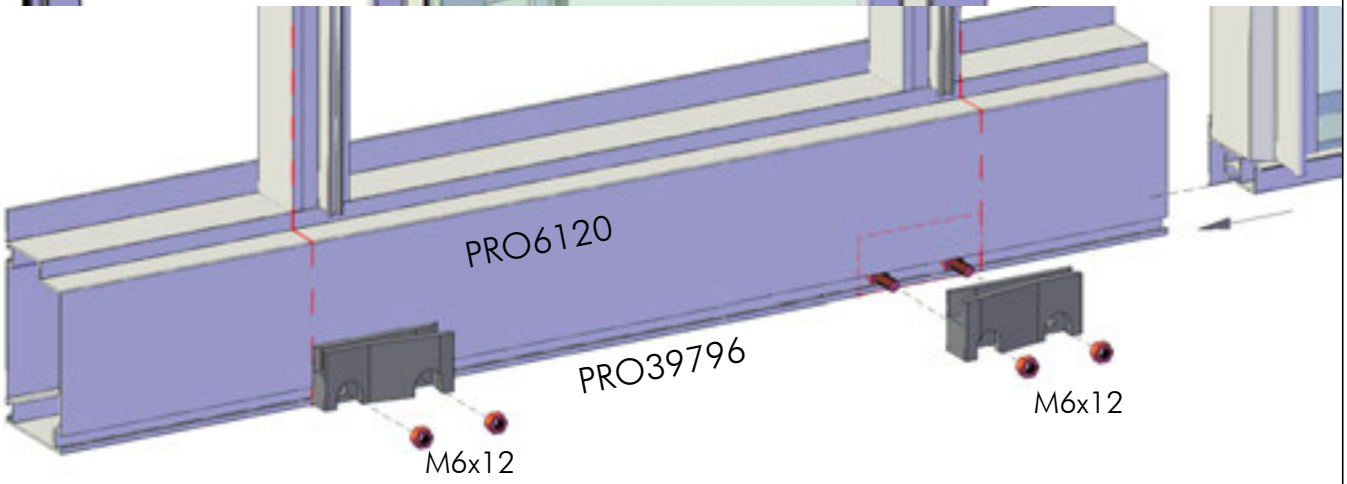


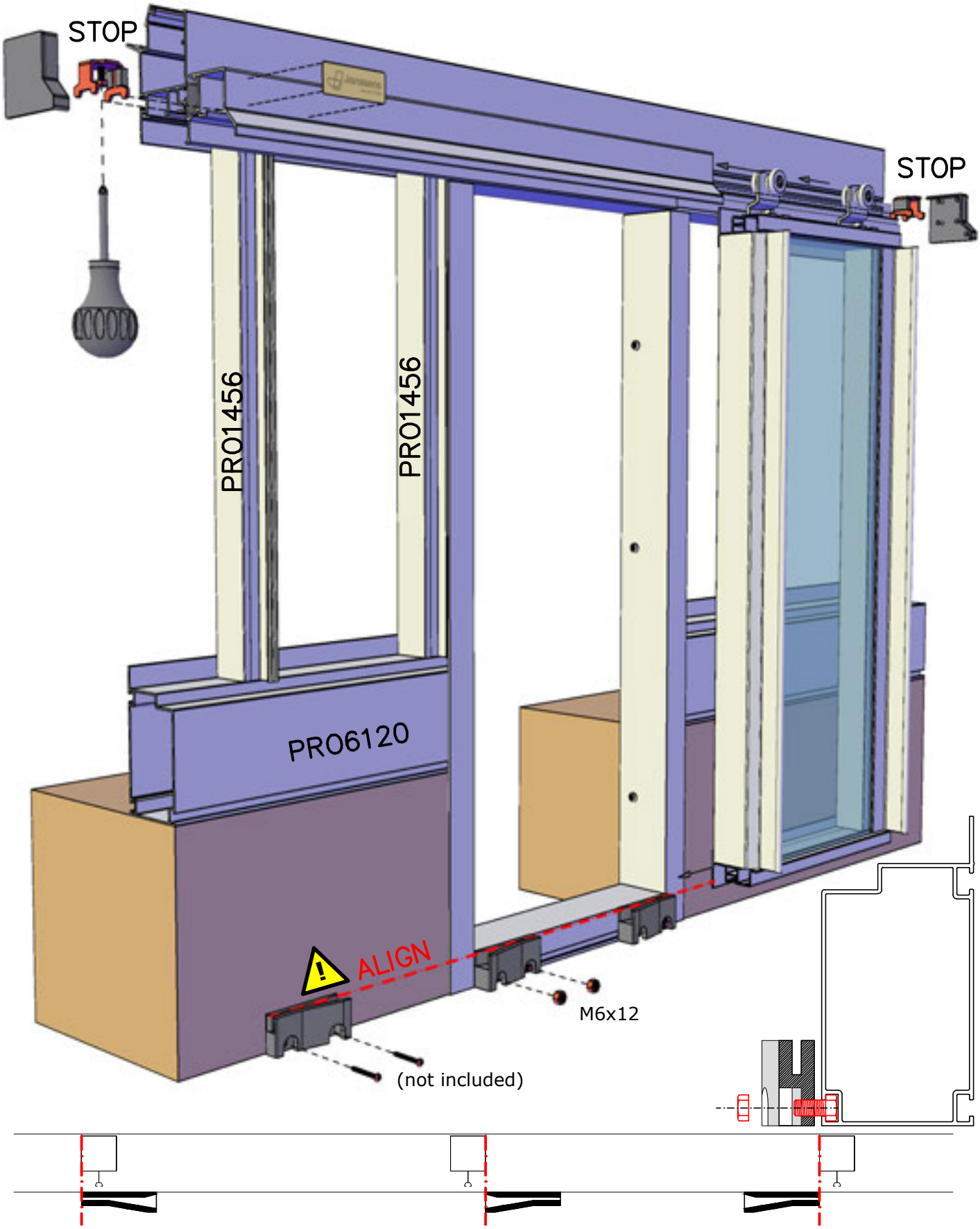


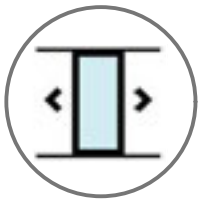


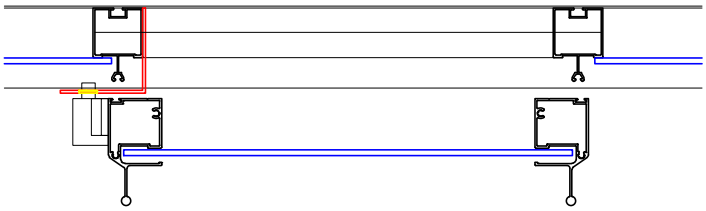
Slide door rollers into top door hanger (PRO7546 or PRO7876) and slide a stopper on either side.
Determine how far the door should slide, then tighten thescrew on the bottom of the stopper to secure.
Finish with door hanger caps.

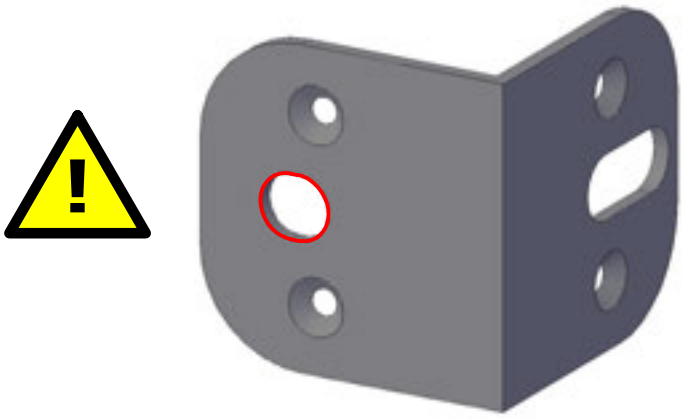


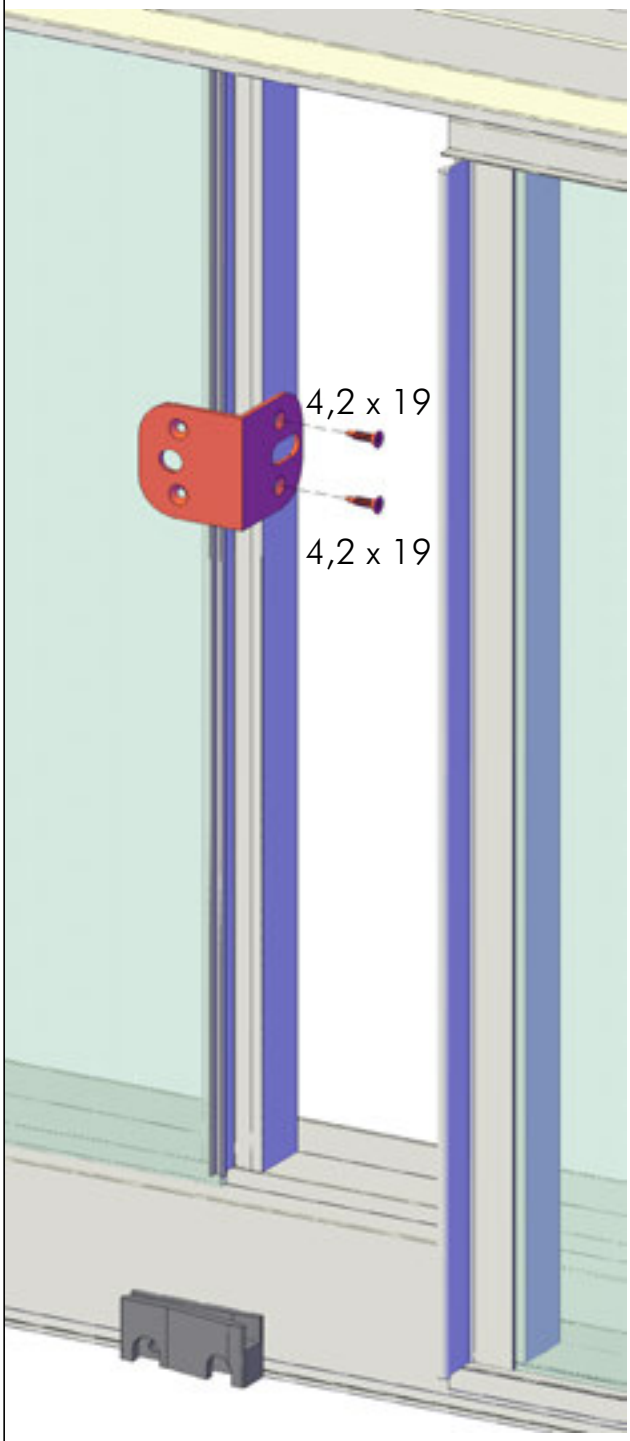


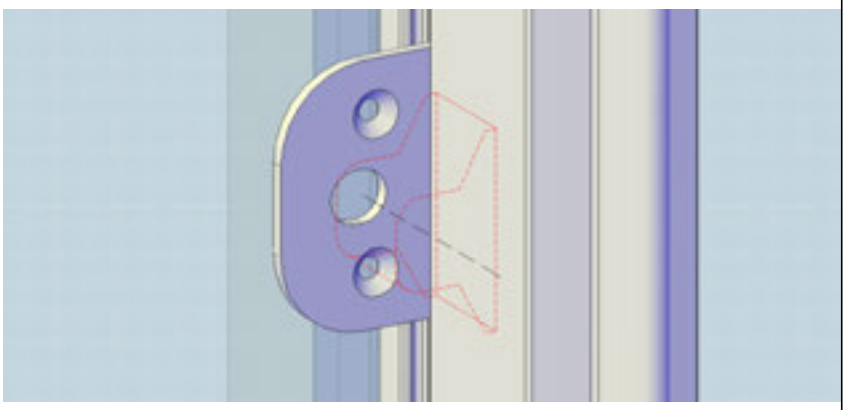

STOP
STOP
PRO1456
PRO1456
PRO6120
ALIGN
M6x12
(not included)

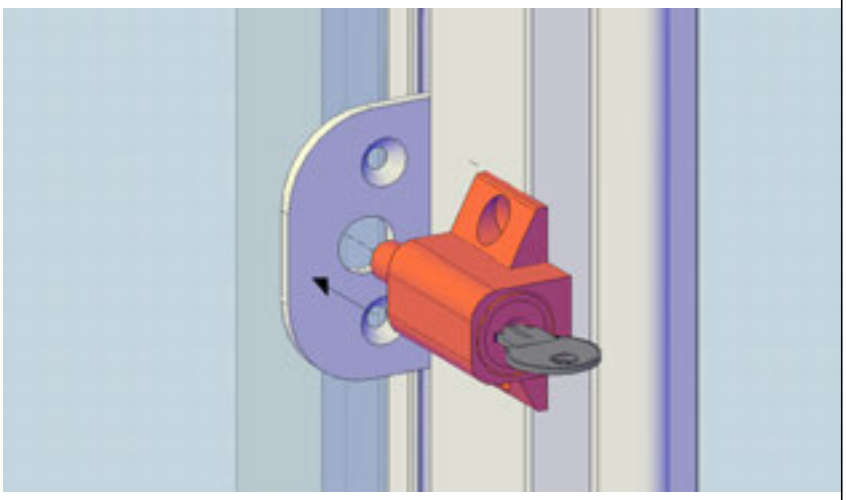


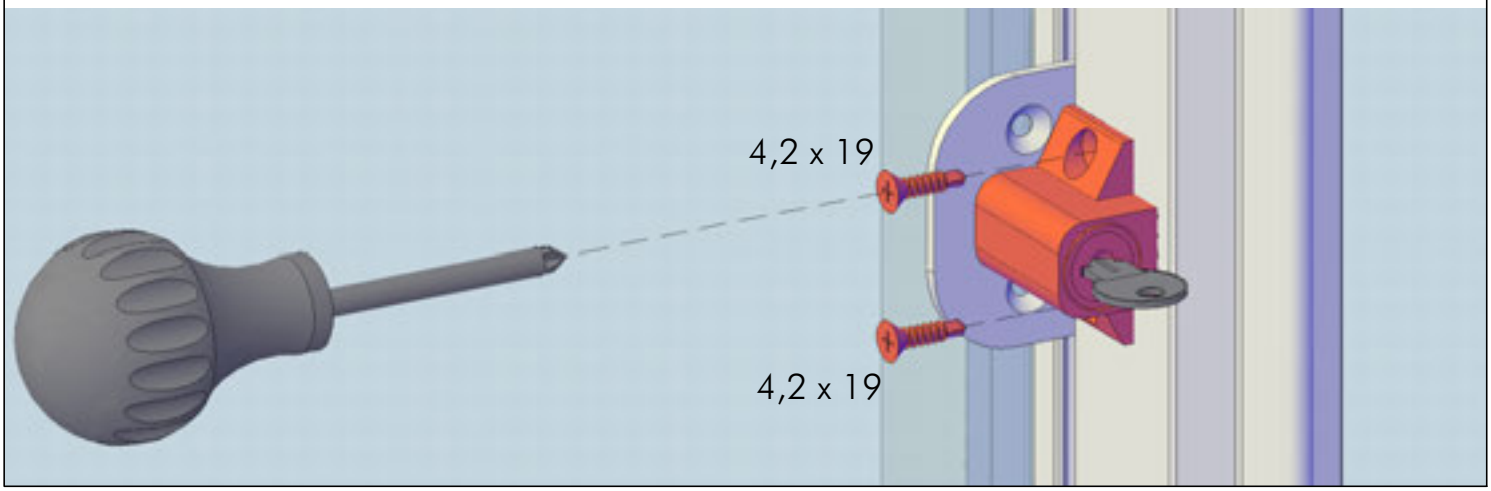





4,2 x 19
4,2 x 19



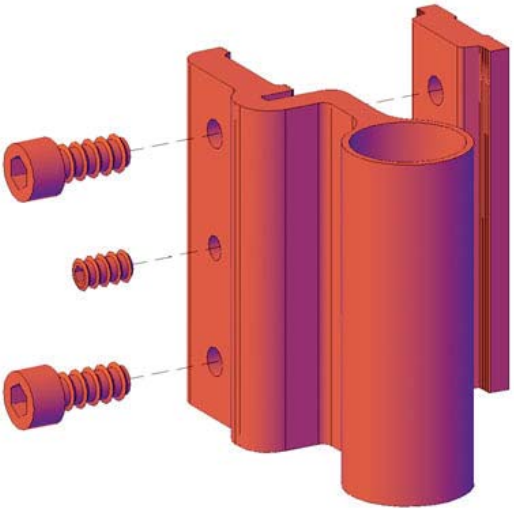


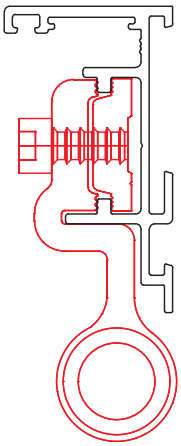

4,2 x 19
4,2 x 19

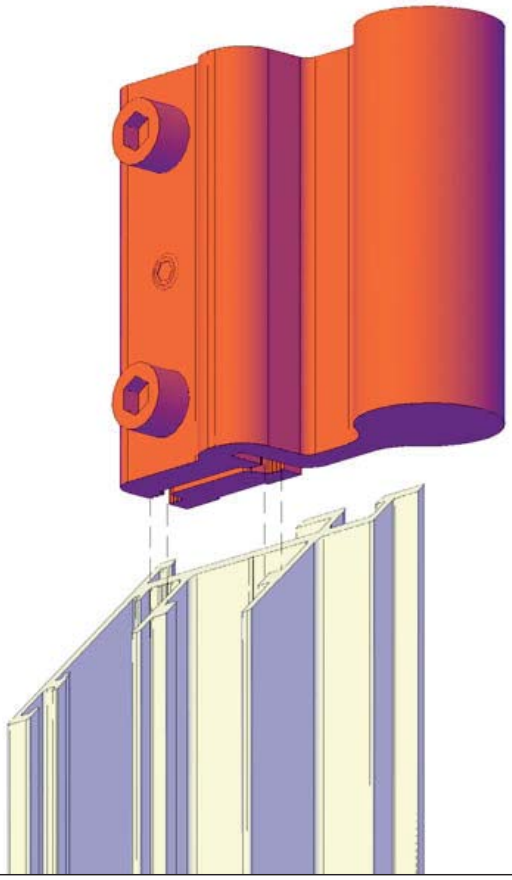
OPTIONAL UPGRADE: Hinged Door

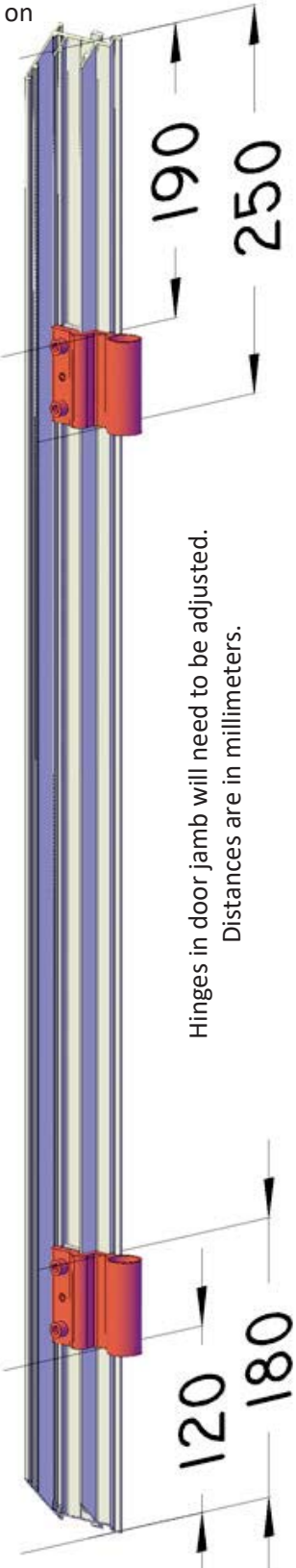
HD

IMPORTANT: Find Janssens Accessory installation video on our site here:
https://www.exaco.com/greenhouse-victorian.php



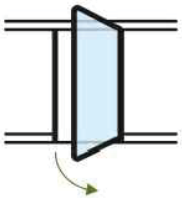


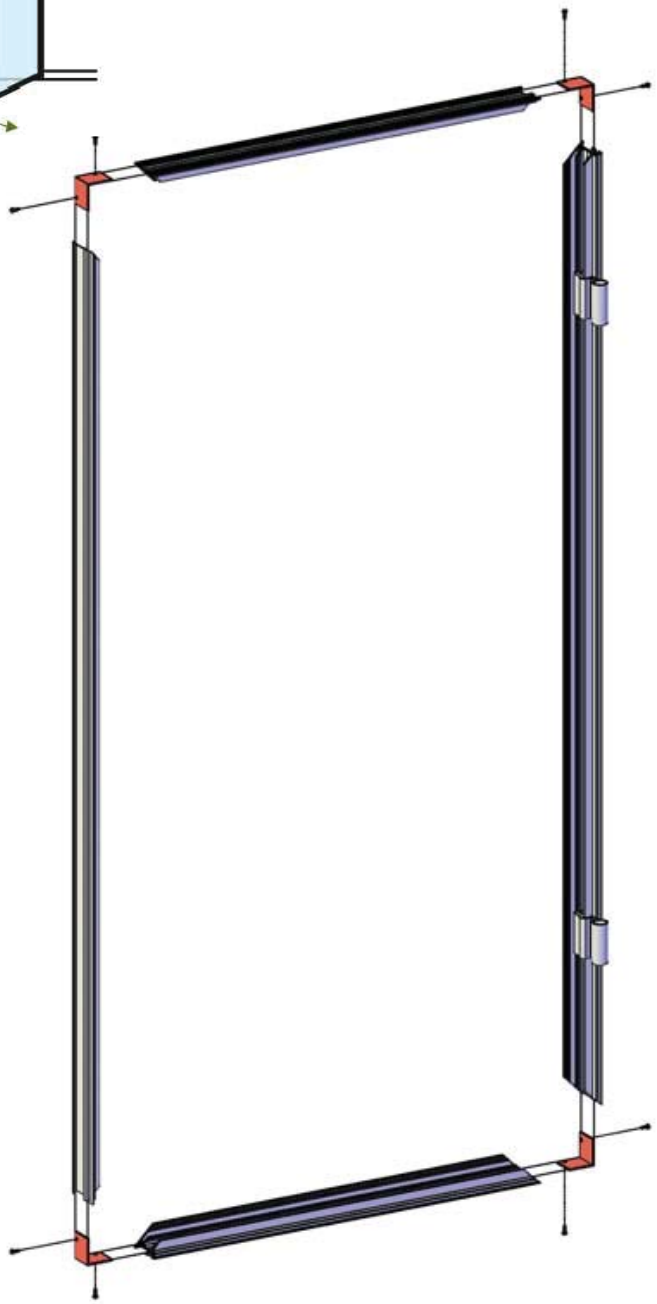


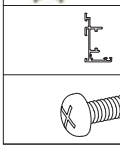
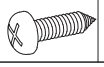


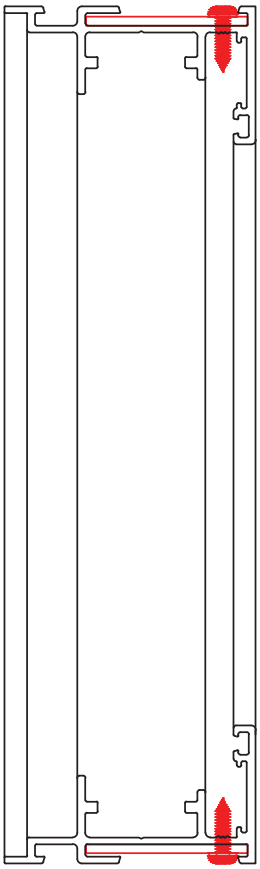
Hinges in door jamb will need to be adjusted.
Distances are in millimeters.

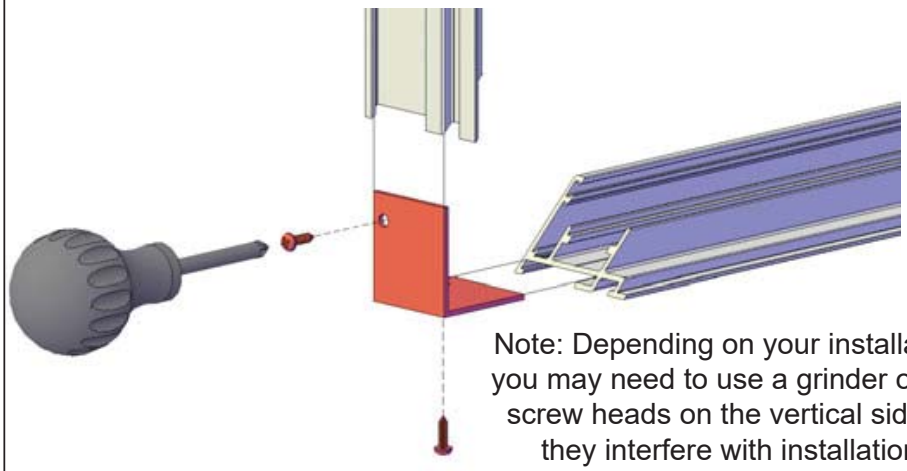
HD 1

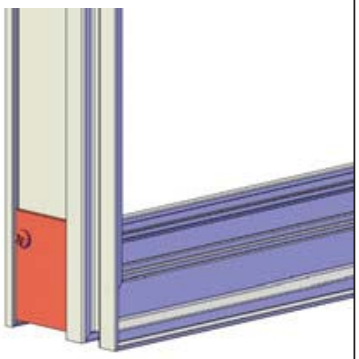




	ITEM	PC.	L
	L 40X40	4 PC	36 MM
	PR06280	2 PC	703 MM
	PR06280	2 PC	1.441 MM
	PR06280	2 PC	1.930 MM
	4,2 X 13	8 PC	



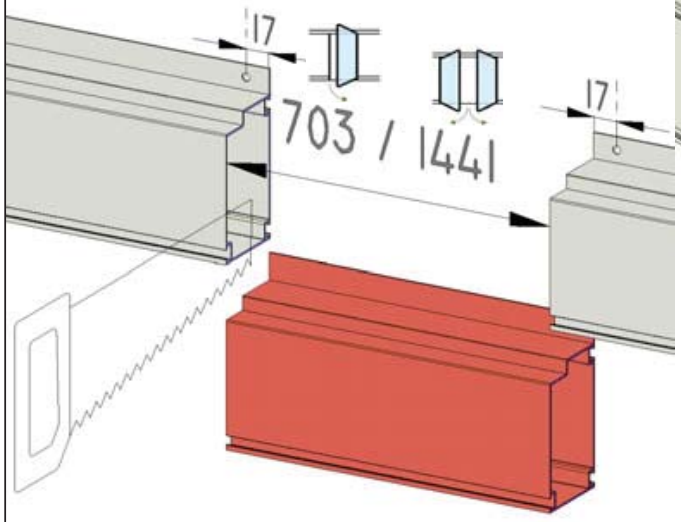


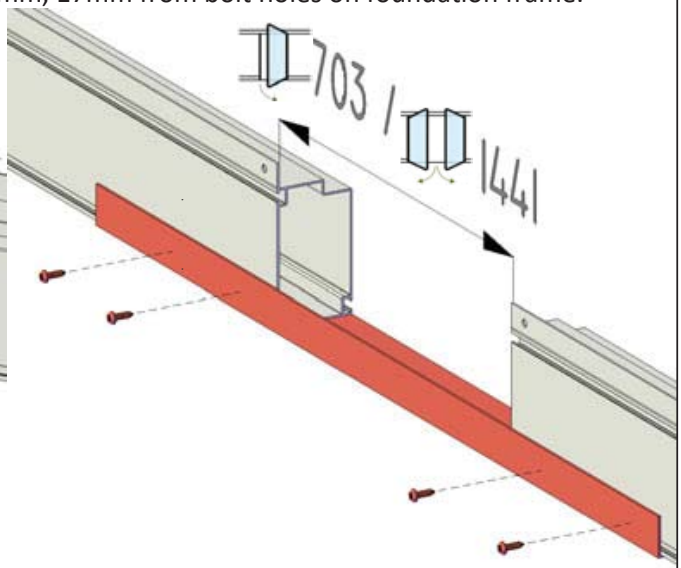


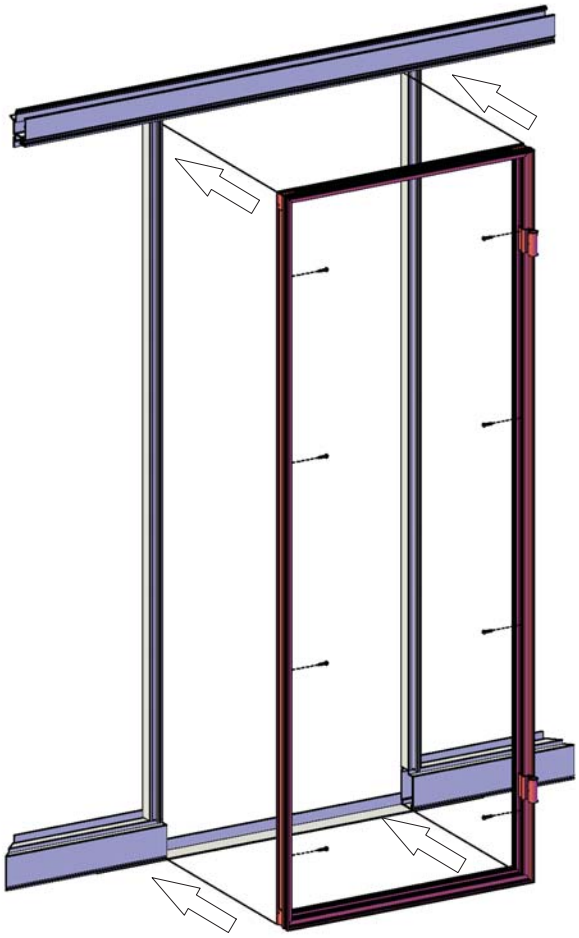
Note: Depending on your installation, you may need to use a grinder on the screw heads on the vertical sides if they interfere with installation.

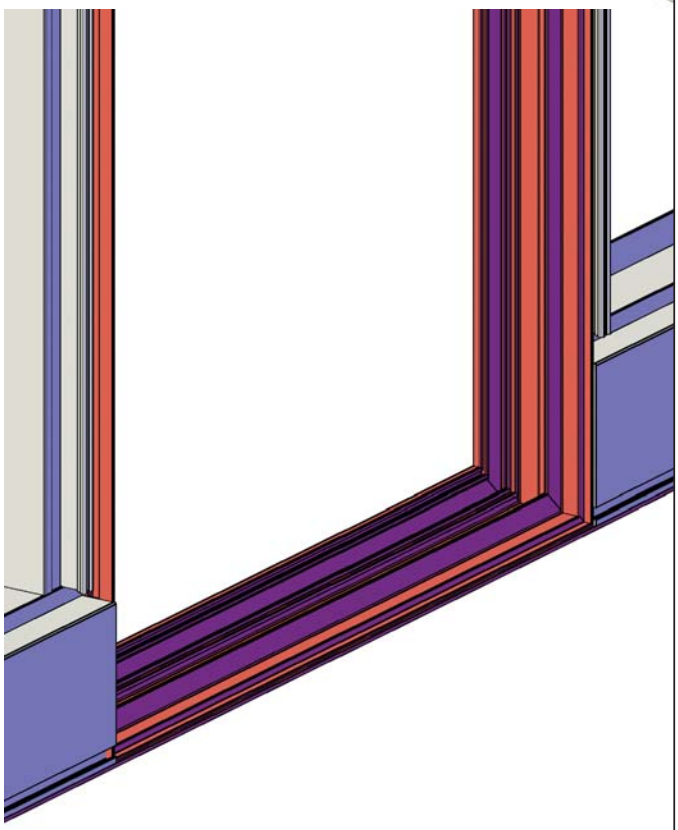
HD 2

Double Hinged door will need opening of 1441mm, 17mm from bolt holes on foundation frame.

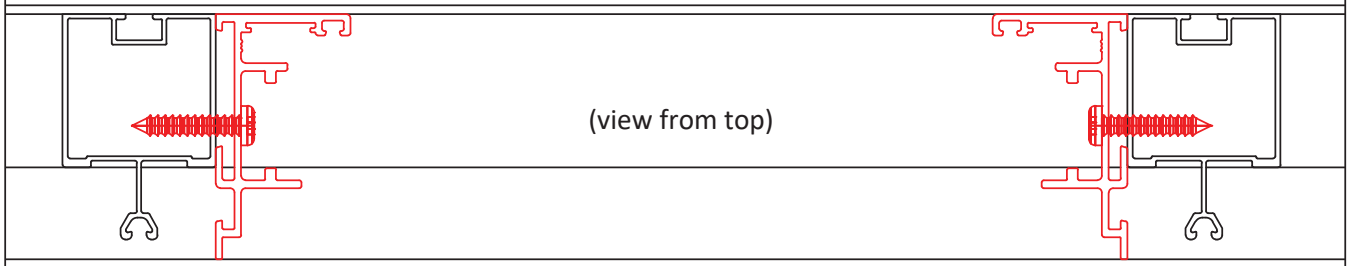






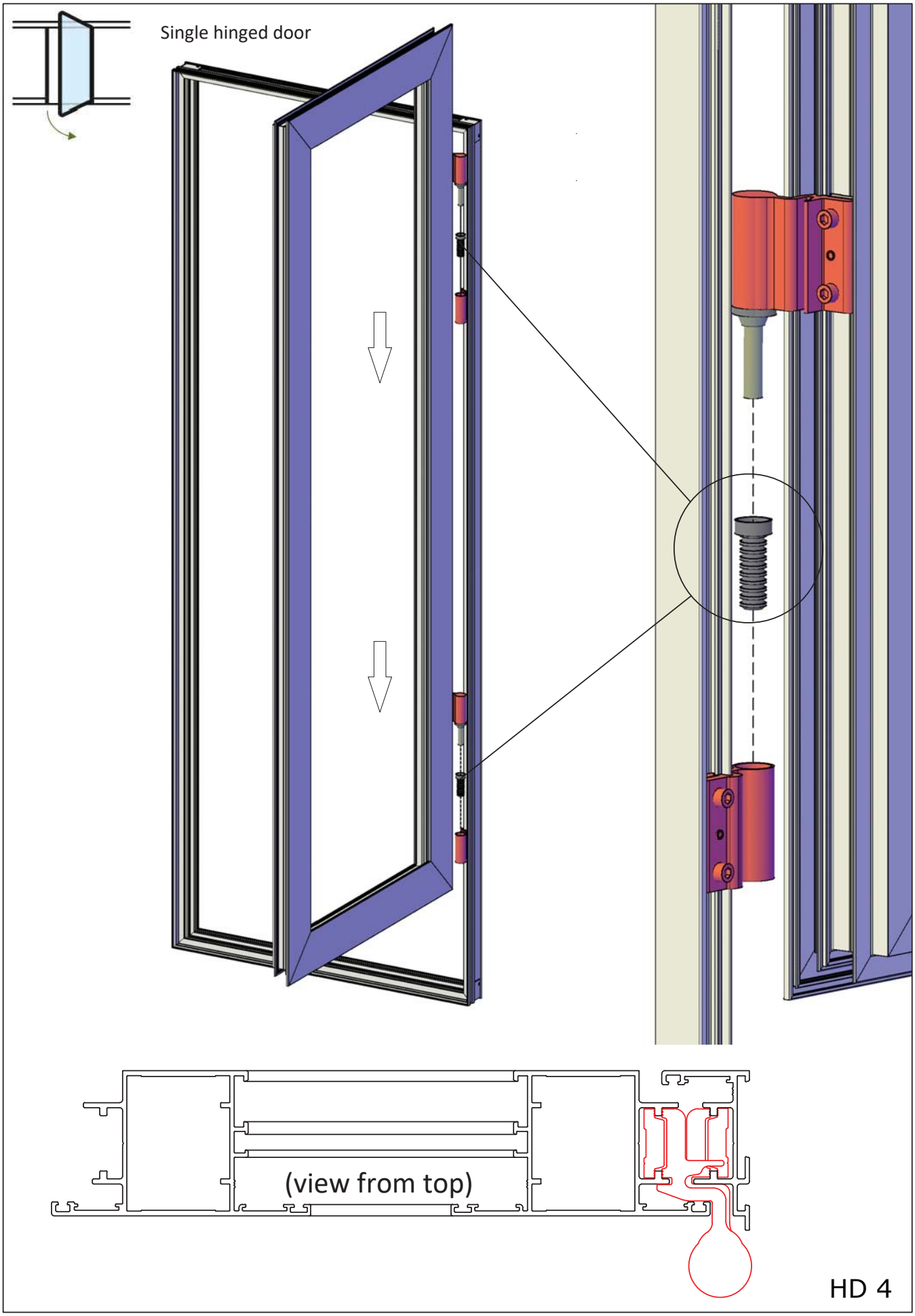


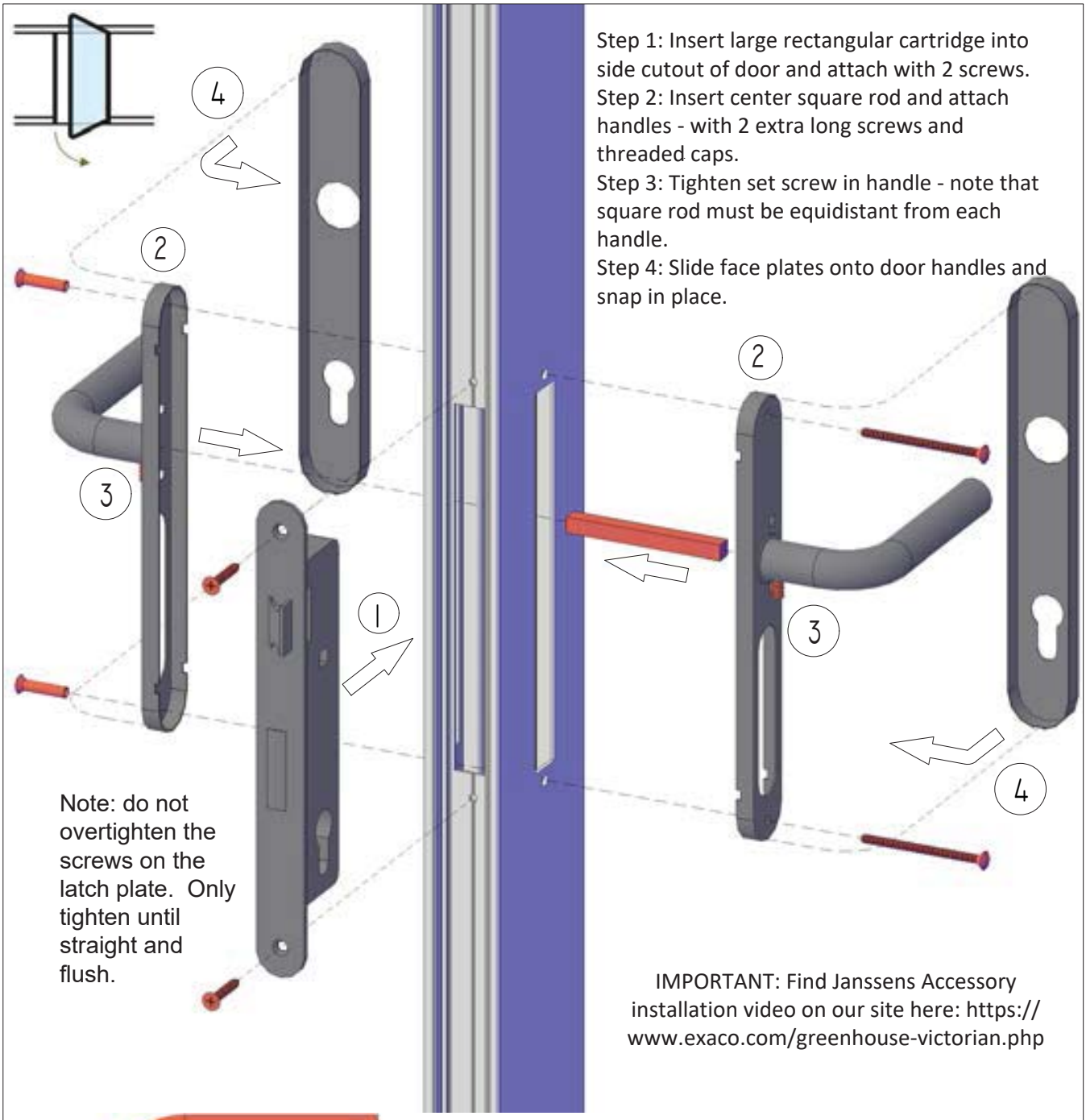
(Single door shown, double door jamb installation will be identical)



(view from top)

HD 3


Single hinged door
(view from top)
HD 4

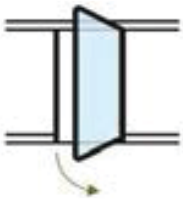


Step 1: Insert large rectangular cartridge into side cutout of door and attach with 2 screws.
Step 2: Insert center square rod and attach handles - with 2 extra long screws and threaded caps.
Step 3: Tighten set screw in handle - note that square rod must be equidistant from each handle.
Step 4: Slide face plates onto door handles and snap in place.

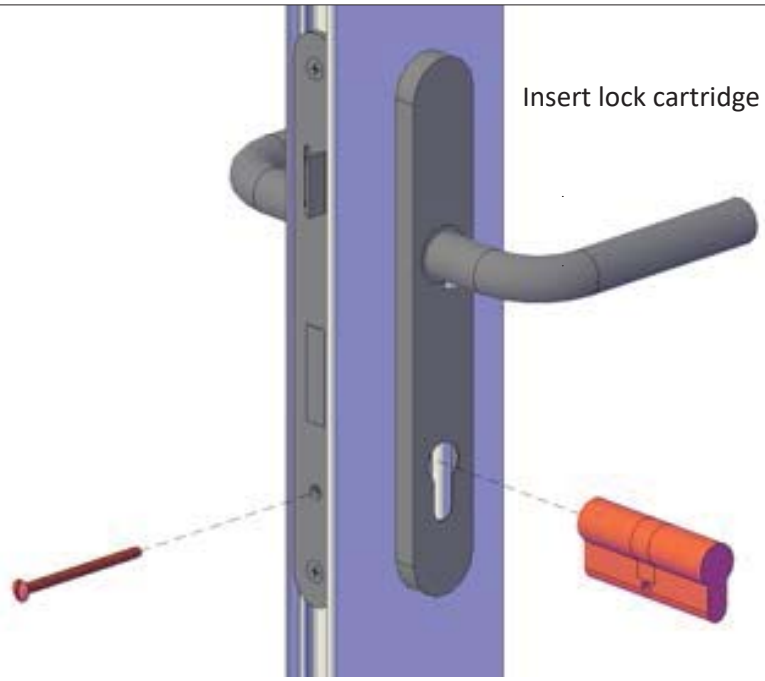
Note: do not overtighten the screws on the latch plate. Only tighten until straight and flush.

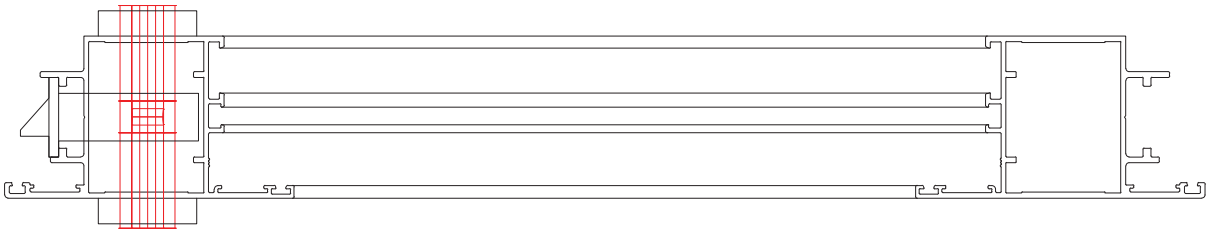
IMPORTANT: Find Janssens Accessory installation video on our site here: https://www.exaco.com/greenhouse-victorian.php

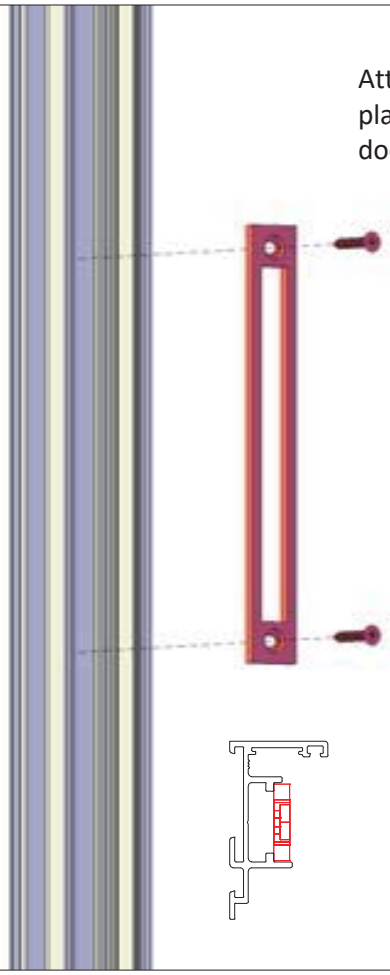
HD 6



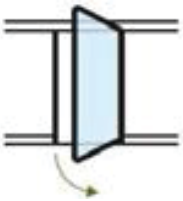
Insert lock cartridge and secure with screw.







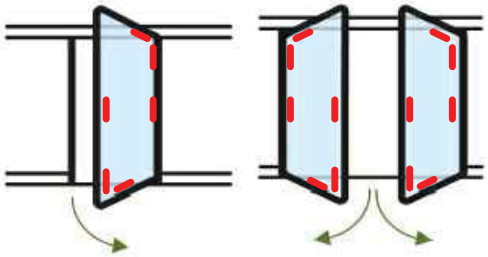
Attach latch catch plate to second door.

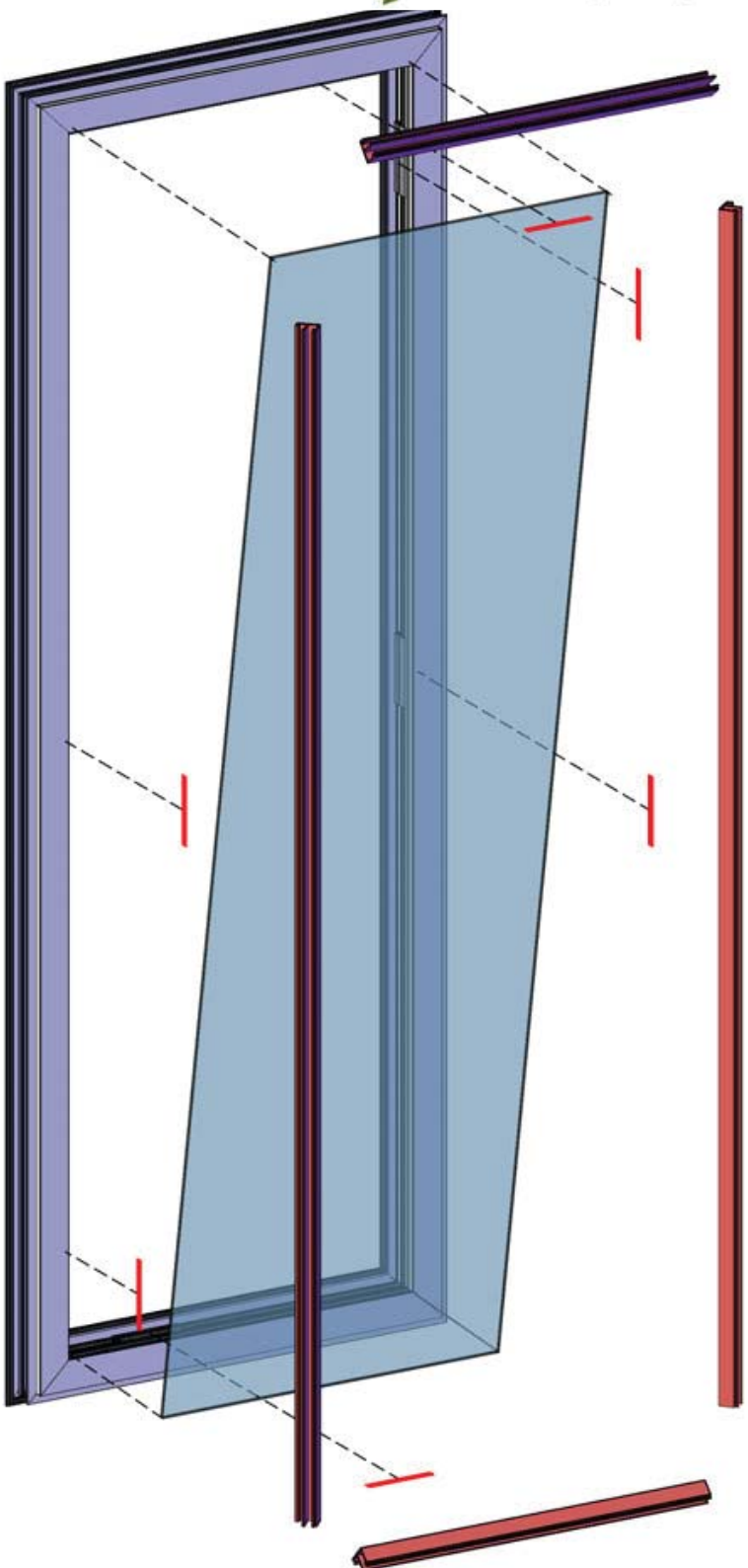


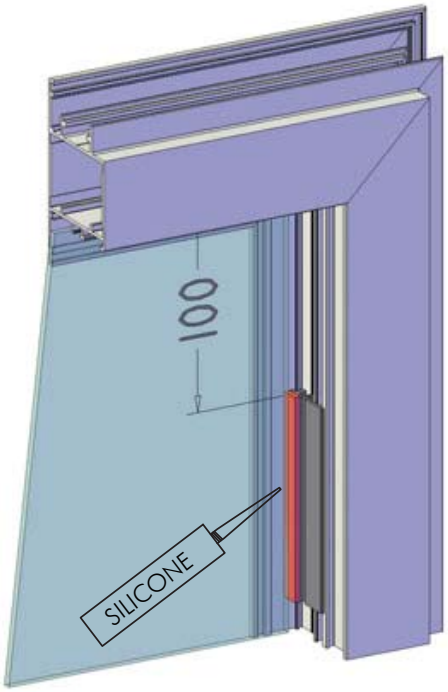
Note: do not overtighten the screws on the latch plate. Only tighten until straight and flush.

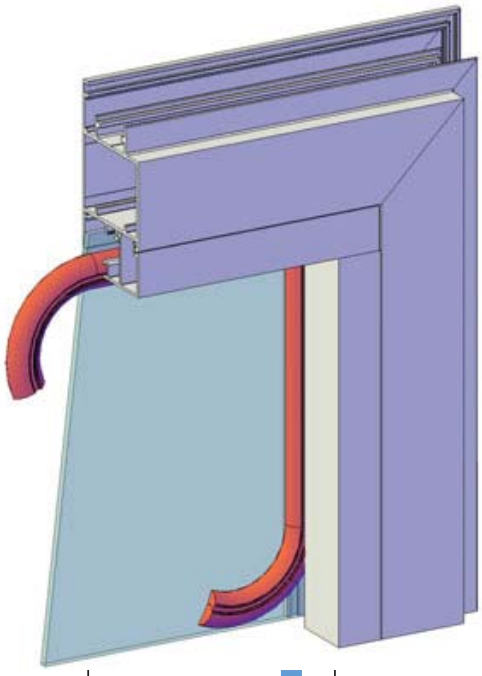
HD 7

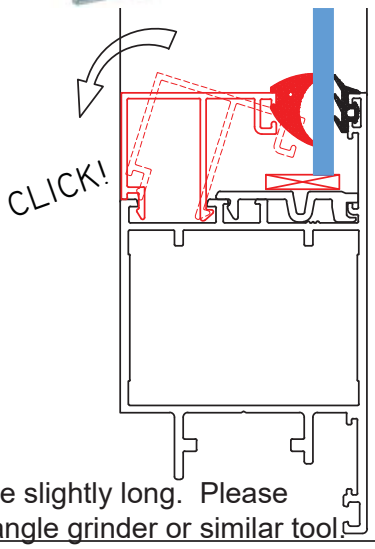
For the next step, we recommend placing the door flat until glass is installed.





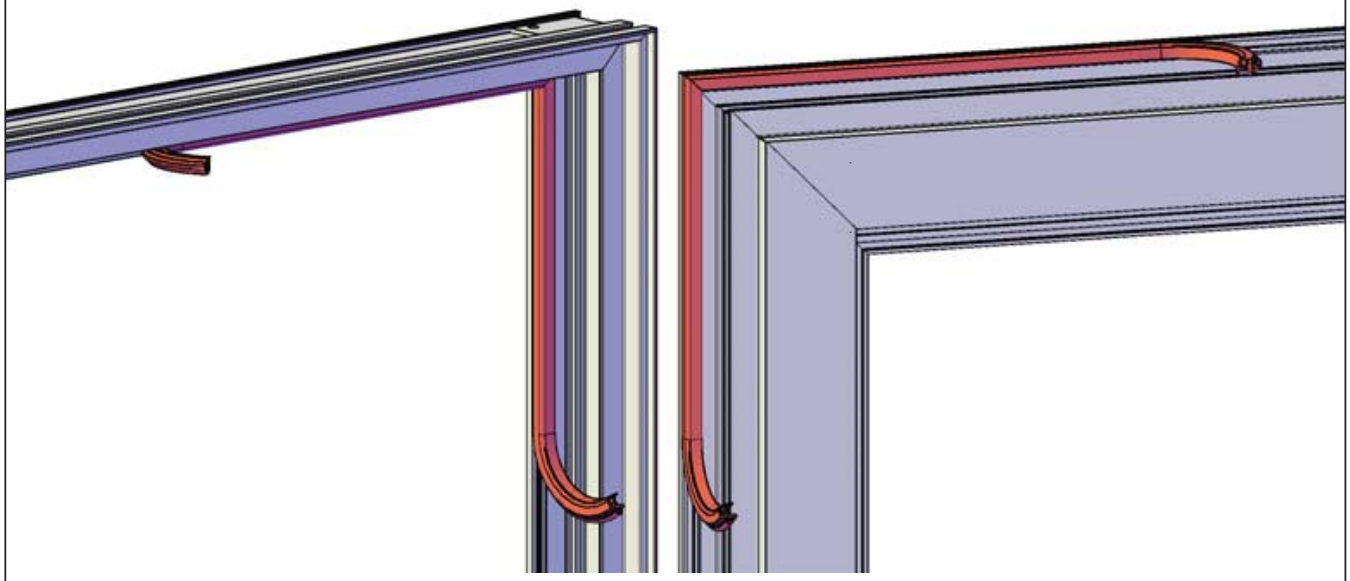


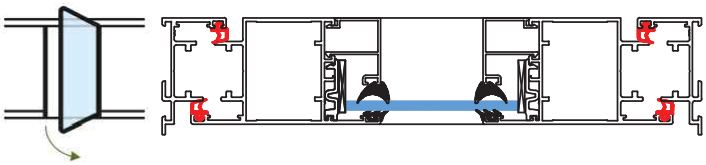


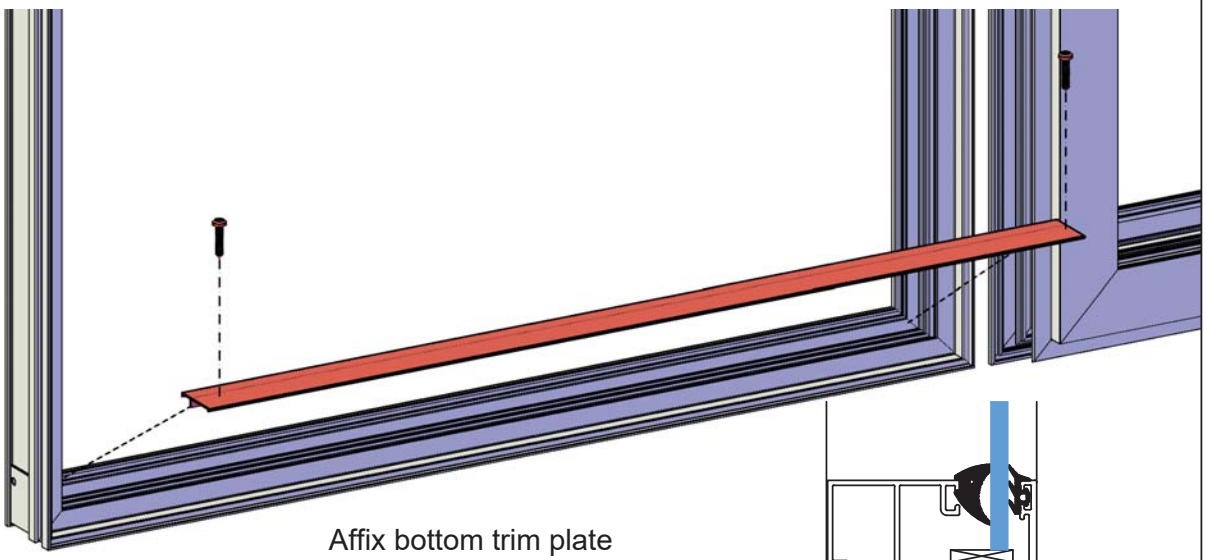


NOTE: the horizontal glazing strips shown in red above may be slightly long. Please measure and trim to fit your door usnig a hacksaw, hand file, angle grinder or similar tool!

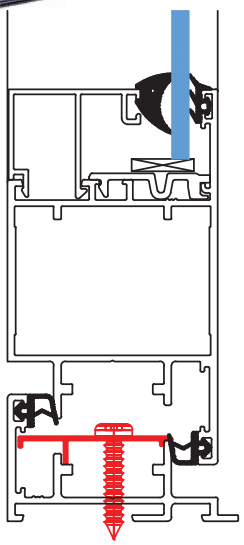
HD 8





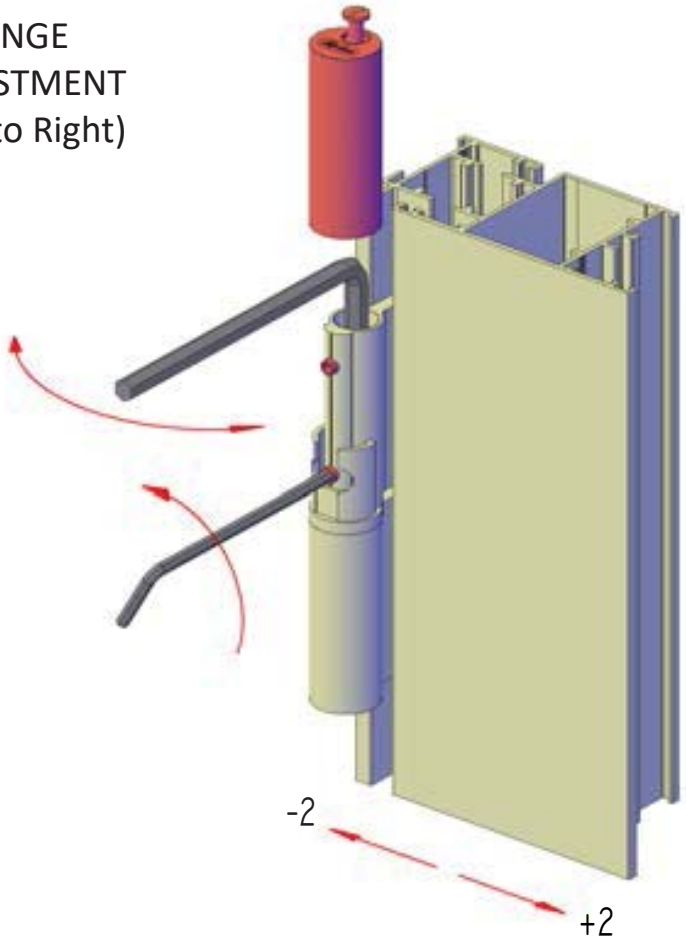


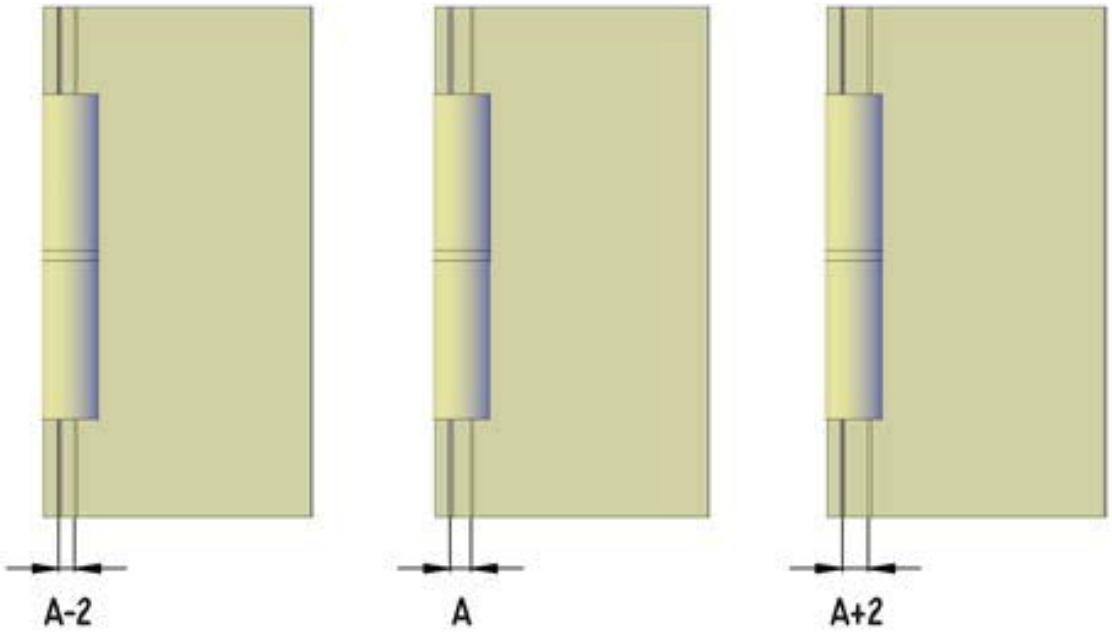
Affix bottom trim plate

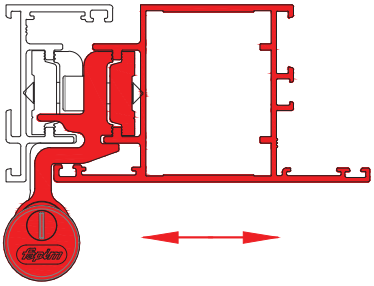


HD 9

HINGE
ADJUSTMENT
(Left to Right)

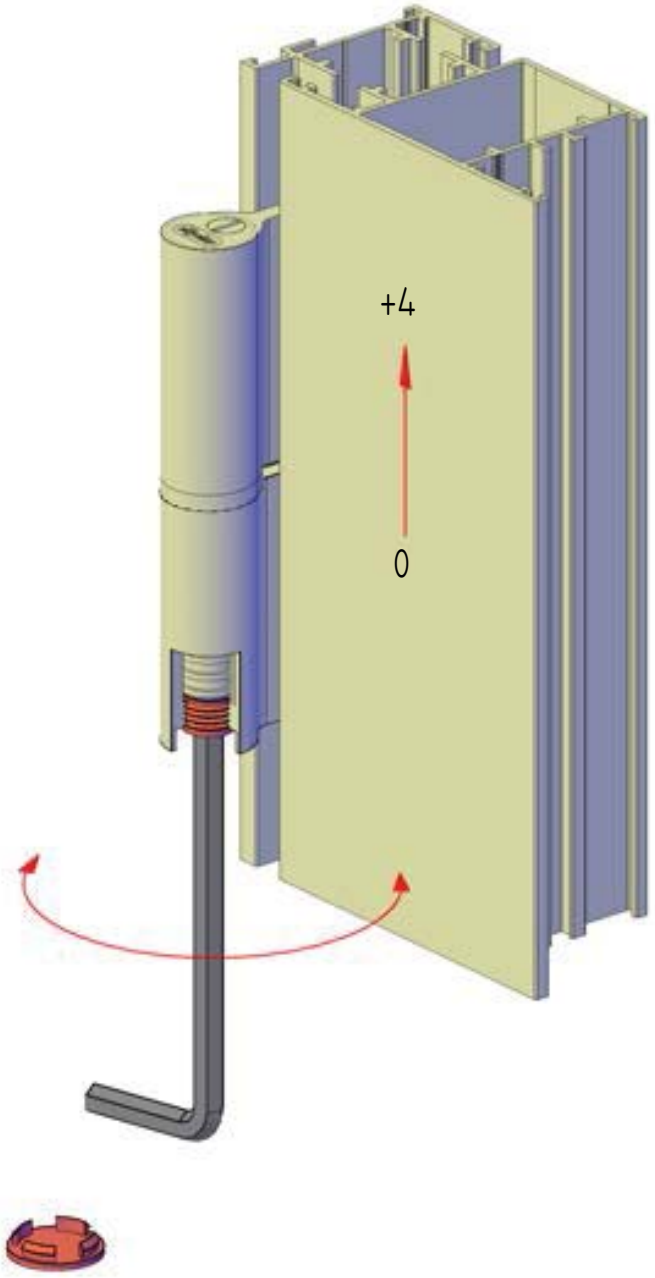




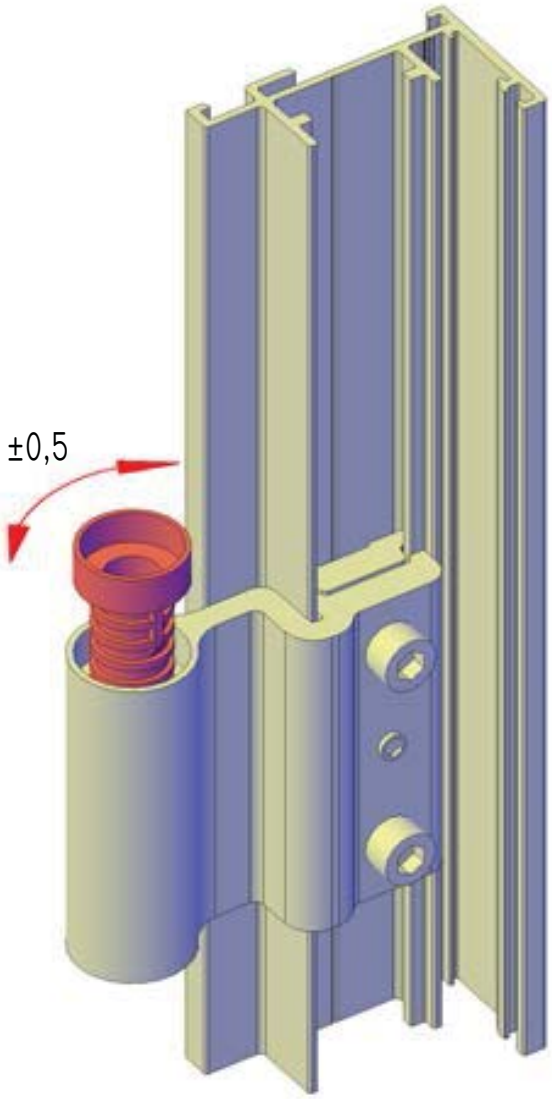


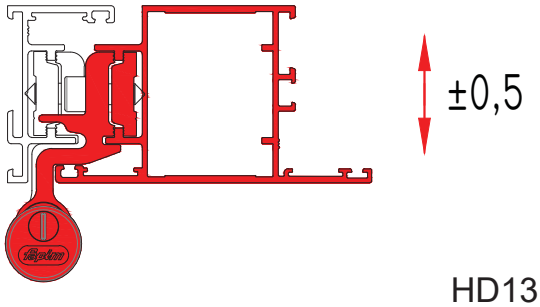
HD12

HINGE
ADJUSTMENT
(Up)



HINGE
ADJUSTMENT
(Front/Back)

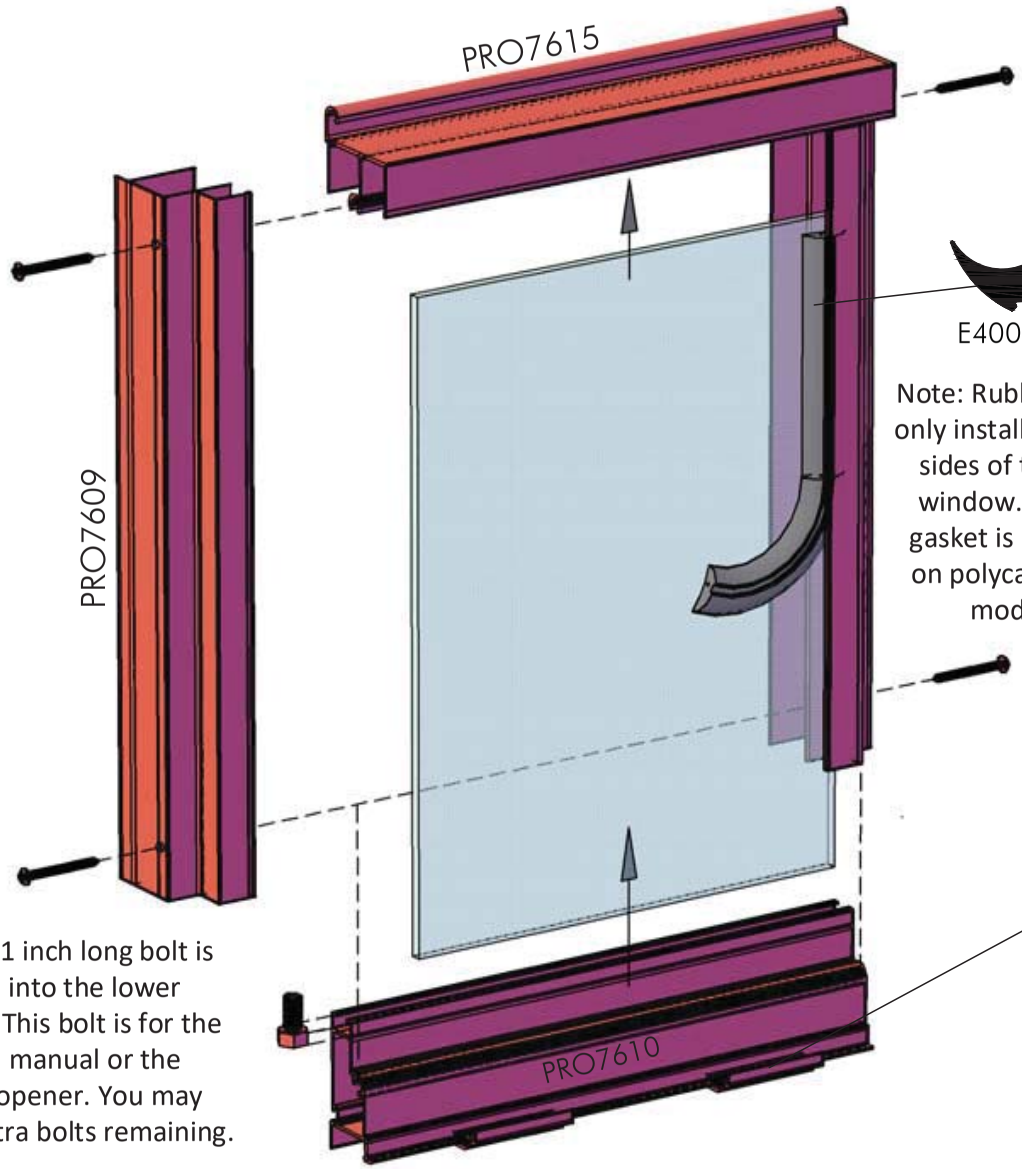




HD13

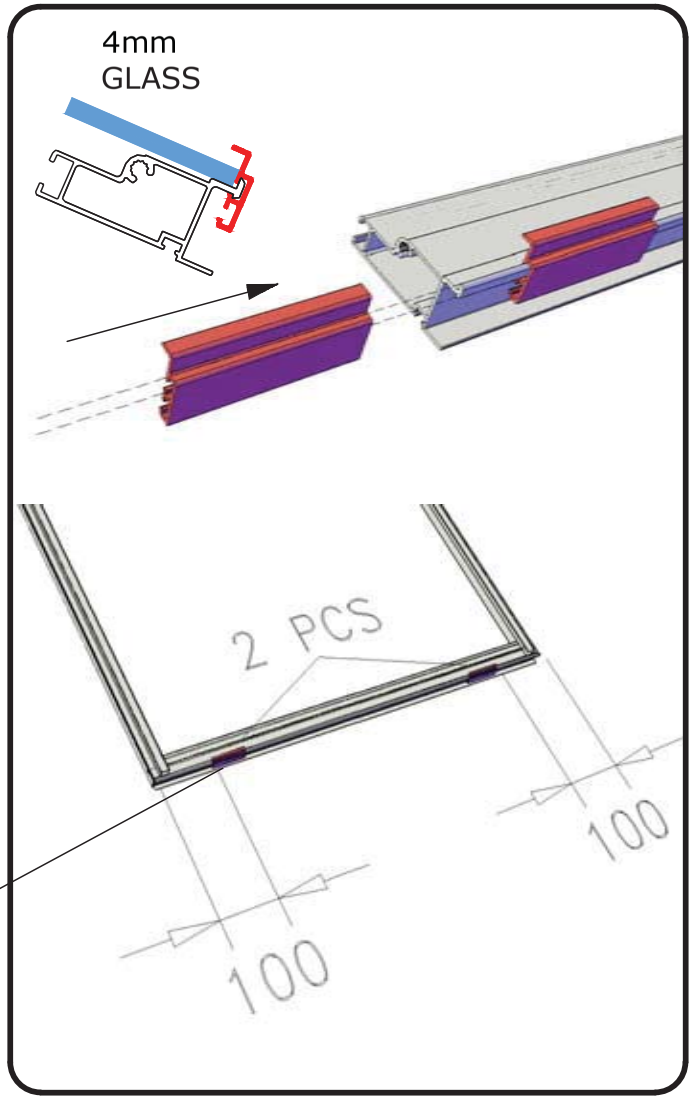
Roof Window /Vent - RW

all hardware will be included in roof vent package - including crossbar to frame opening



Note: Rubber seal is only installed on the sides of the roof window. Rubber gasket is not used on polycarbonate models.

Note: A 1 inch long bolt is inserted into the lower profile. This bolt is for the optional manual or the spindle opener. You may have extra bolts remaining.

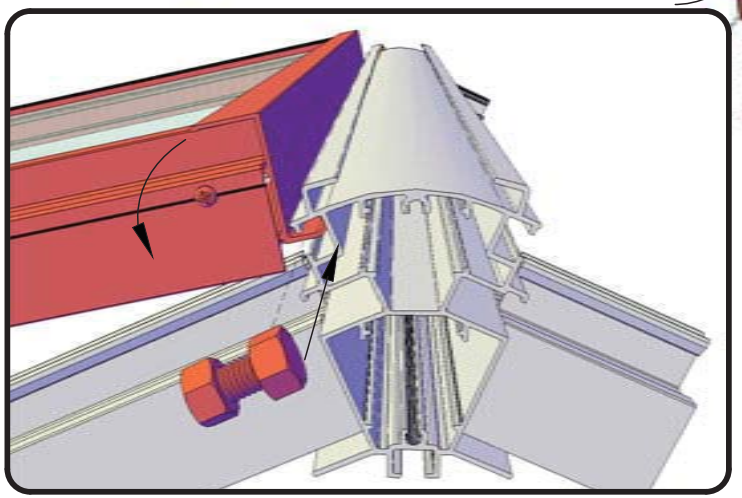


Roof Window Installation

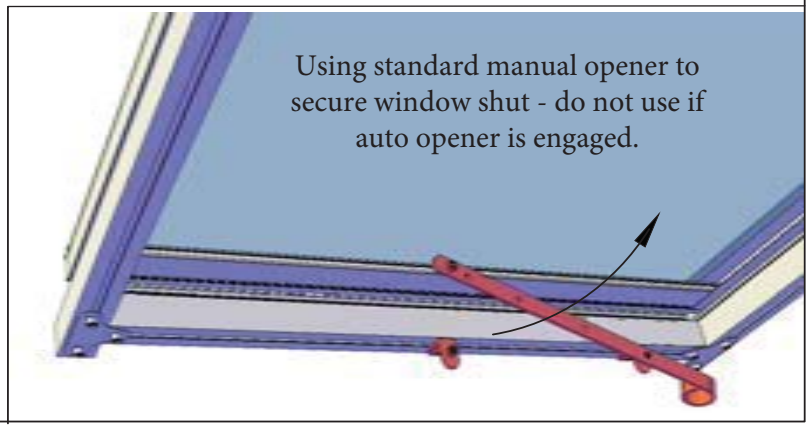
Note: Inserting a bolt/ nut on both sides of the roof window will prevent it from moving side to side once it is in place.

Standard manual opener shown (generally not installed). However, it may be used to secure the window in the closed position - auto opener MUST be detached.

IMPORTANT! You may offset your auto openers slightly if the wind braces are interfering. HOWEVER, if you have purchased flyscreens, your opener must be centered. Either move your roof window to a different location or shorten your wind strap slightly to install it at a tigher angle on the gutter flange.

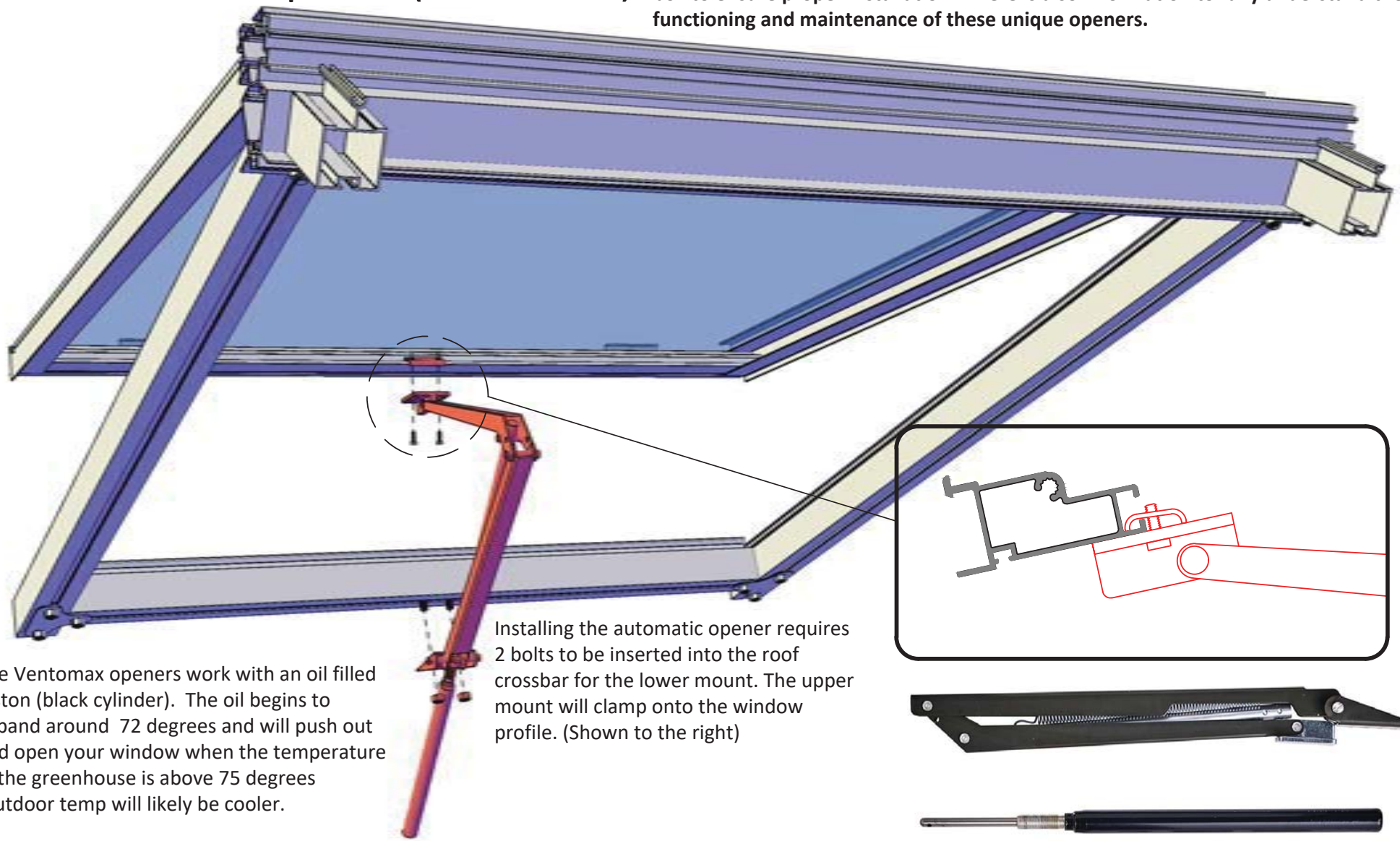


TO INSTALL: Slide window into the ridge beam from either end of the greenhouse. The "hook" on the top of the roof window profile will slide into the channel of the ridge beam (shown to the left).



OPTION: Auto Opener (Ventomax)

IMPORTANT! Read installation instructions included in your Ventomax auto opener box to ensure proper installation. There is also information to fully understand the functioning and maintenance of these unique openers.

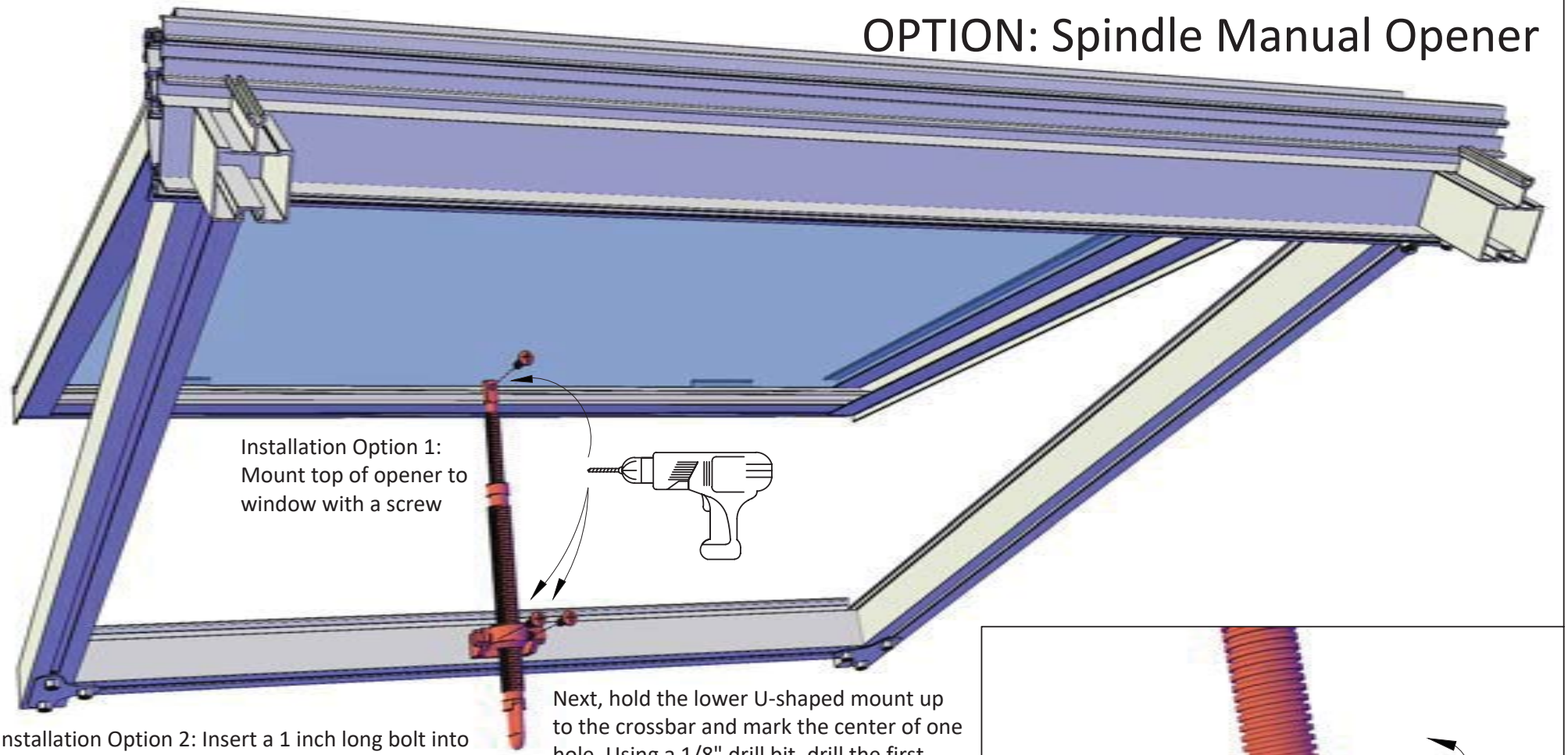


Installing the automatic opener requires 2 bolts to be inserted into the roof crossbar for the lower mount. The upper mount will clamp onto the window profile. (Shown to the right)

The Ventomax openers work with an oil filled piston (black cylinder). The oil begins to expand around 72 degrees and will push out and open your window when the temperature in the greenhouse is above 75 degrees (outdoor temp will likely be cooler.

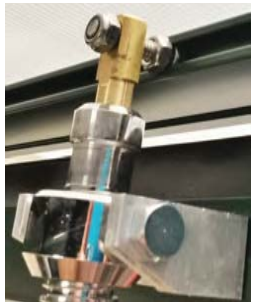
If you are struggling to install your piston and it is above 70 degrees, place the piston in cold water/ fridge for 10 minutes so the rod can retract.
Oil piston rod 2-3 times/year with a light oil such as WD40 or even olive oil.

OPTION: Spindle Manual Opener

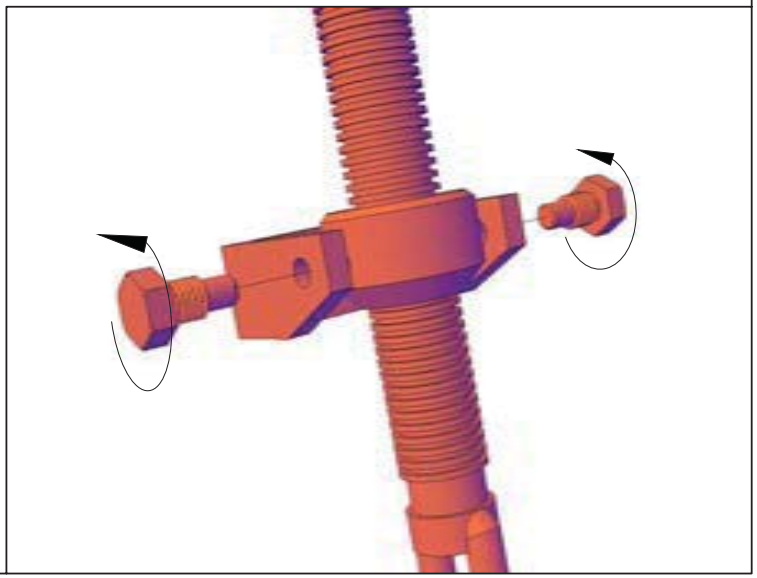


Installation Option 1:
Mount top of opener to
window with a screw

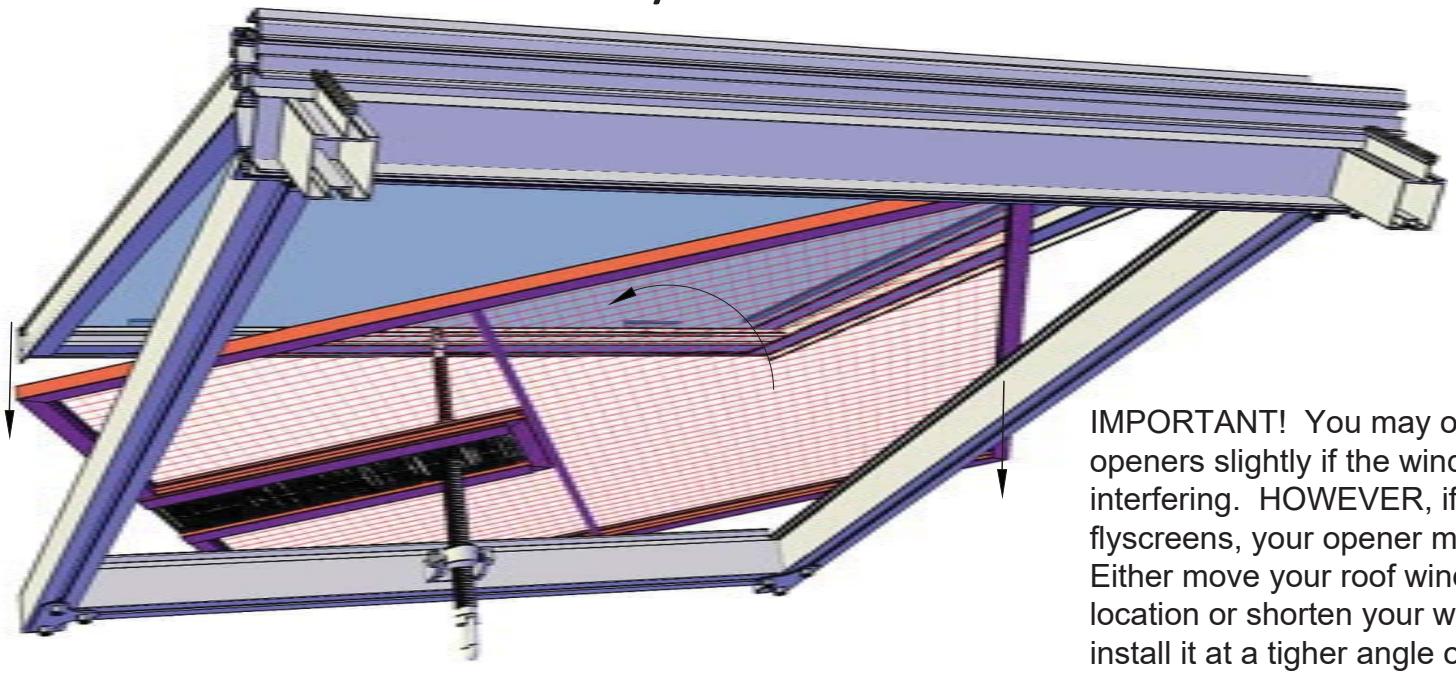
Installation Option 2: Insert a 1 inch long bolt into lower roof window channel. Slide to the center and lock it in place with a nut as shown below.



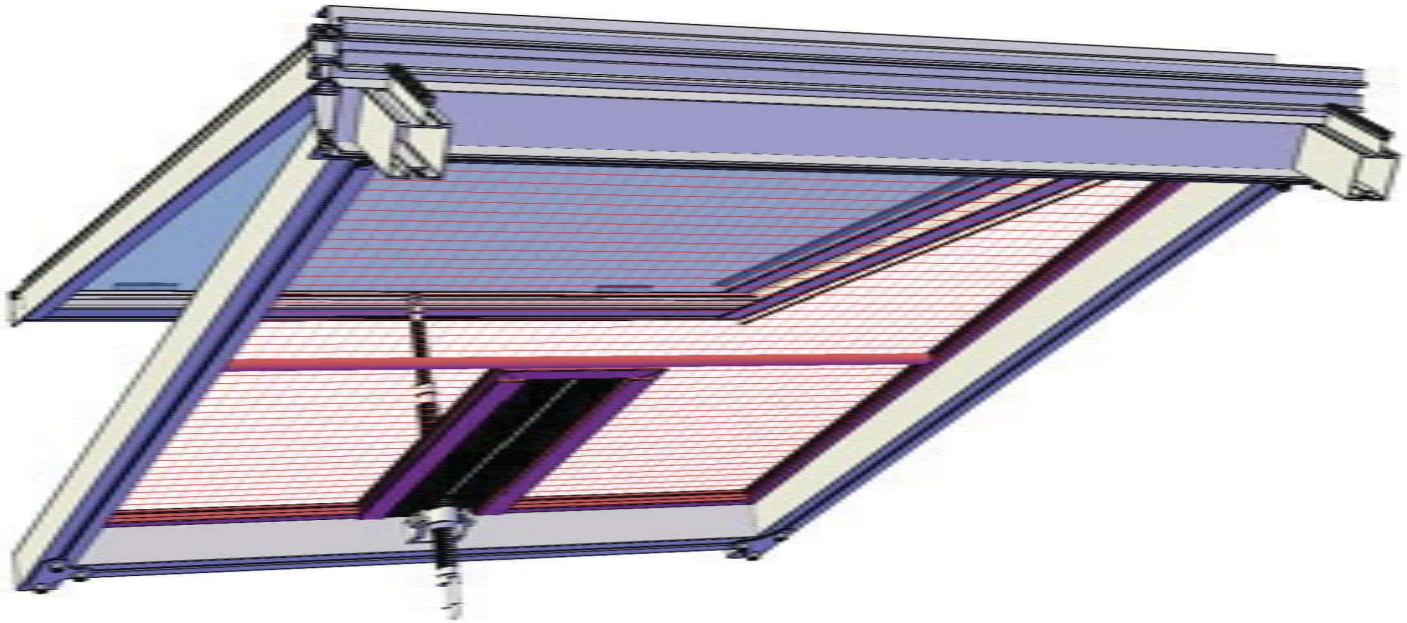
Next, hold the lower U-shaped mount up to the crossbar and mark the center of one hole. Using a 1/8" drill bit, drill the first hole, then screw the bracket on, check for level - then mark and drill the second hole. Slide the brass part of the opener over the bolt in the window channel. Use the supplied nylock nut to secure the opener on the top mounting bolt. Finally thread the large side bolts into the U-shaped mount and the opener is installed.



OPTIONAL UPGRADE: Fly screen for roof vent



IMPORTANT! You may offset your auto openers slightly if the wind braces are interfering. HOWEVER, if you have purchased flyscreens, your opener must be centered. Either move your roof window to a different location or shorten your wind strap slightly to install it at a tigher angle on the gutter flange.



OPTION: Louvre Window - if a louvered window is added to a Junior Victorian, the piece sent for underneath will be Lexan - not glass.

LV

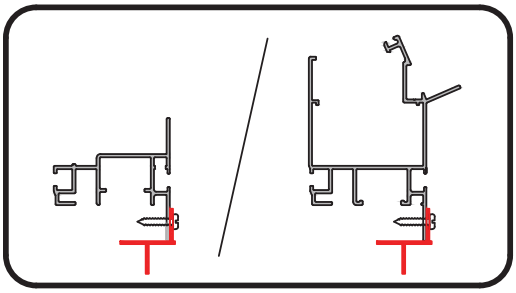
Note: All louvered window are black (even with green models)

Numbers below refer to steps in the following pages

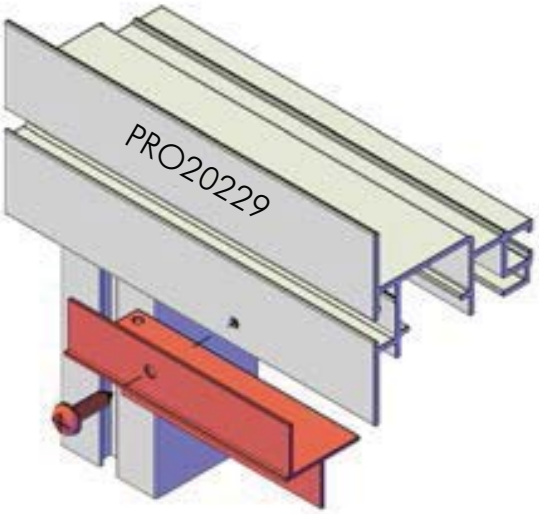
It is likely that your kit include an automatic opener (SESAM LIBERTY) for the louvre vent. Please refer to the Installation and Care manual packaged with the Sesam Liberty opener. You will need to remove the manual opener following the directions.

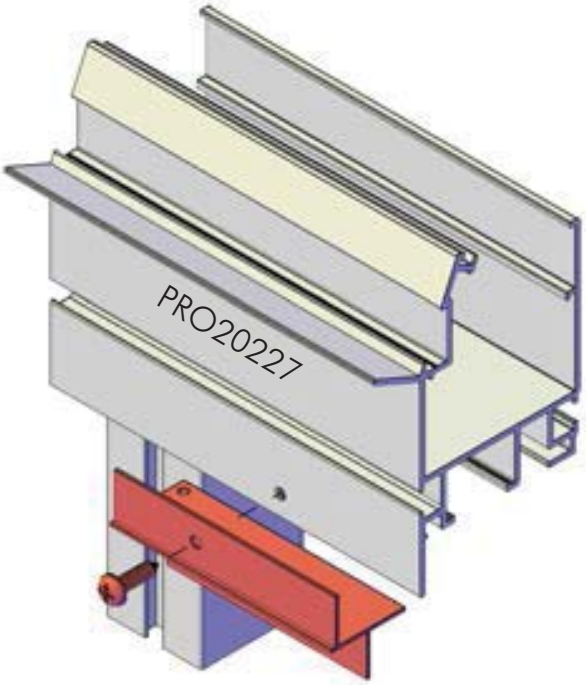
Piston maintenance: apply a light oil (WD40 or olive oil work) to the piston rod to keep it moving smoothly 2-3 times/year.

1



Louvred window may be installed on sidewall (under gutter profile (PRO20227)) or on gable end (under horizontal gable profile (PRO20229)). Both are shown to the left and below.





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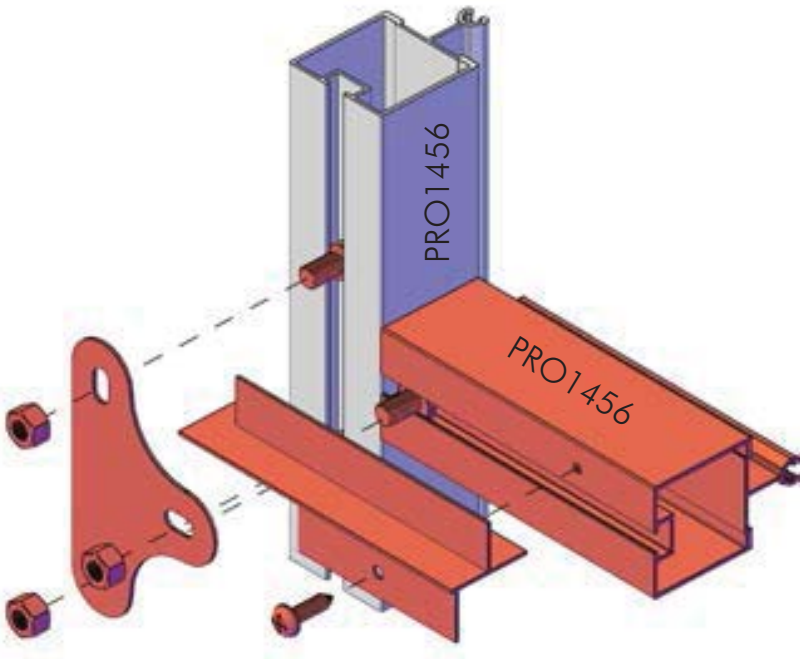
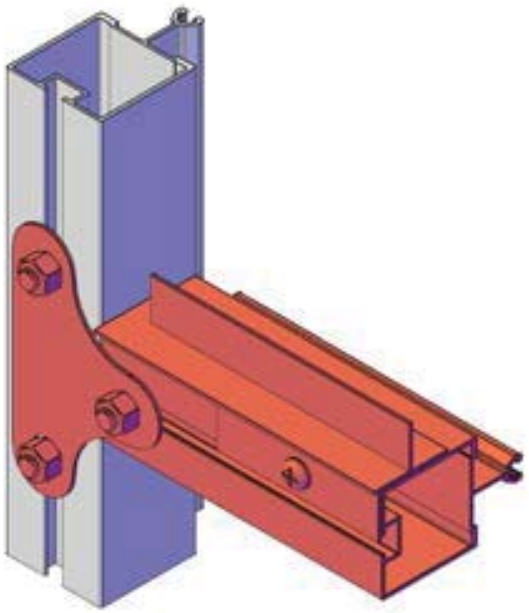
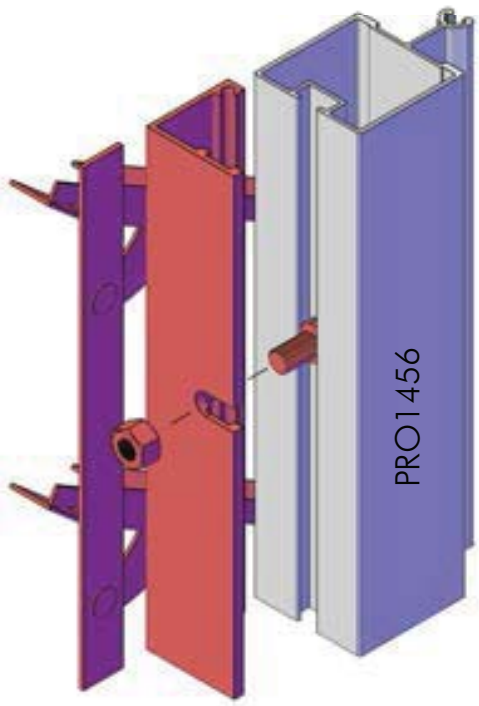




3

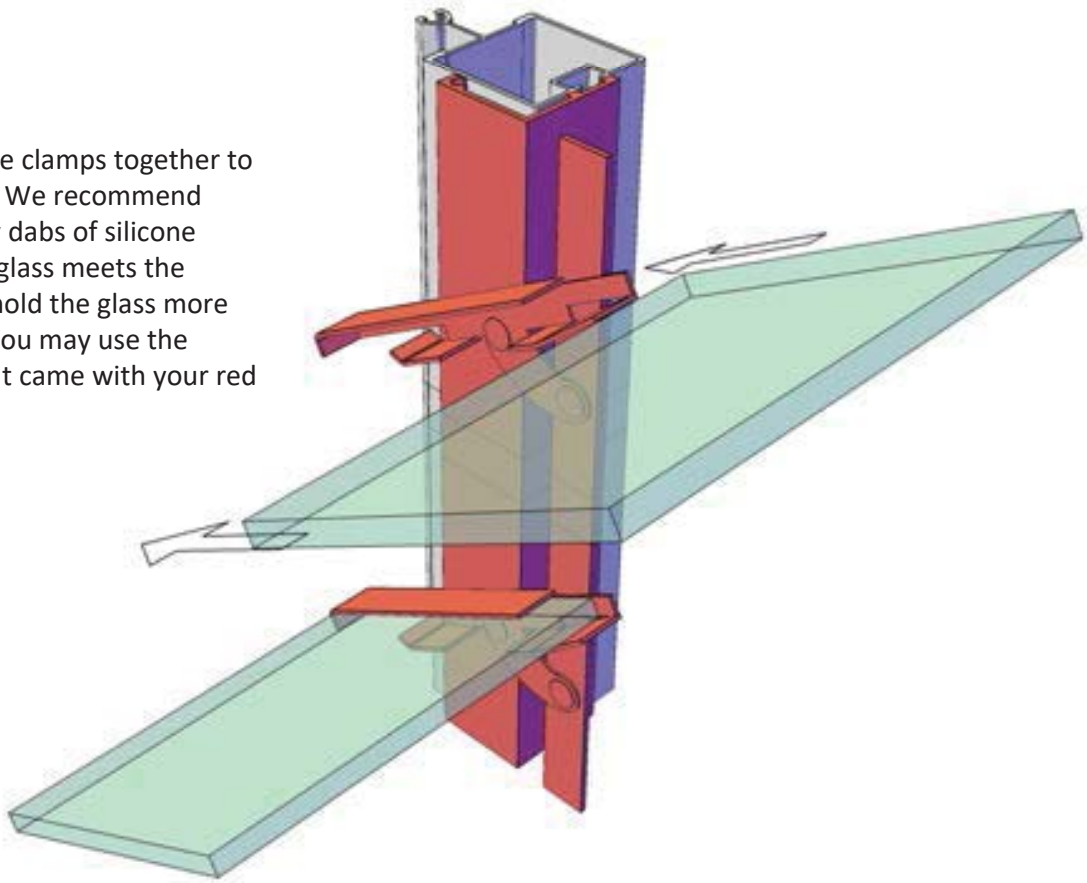


Insert a washer (not included) between black louvre frame and the greenhouse profile at all four bolt locations.

4X

4

Pinch louvre clamps together to hold glass. We recommend using a few dabs of silicone where the glass meets the clamps to hold the glass more securely. You may use the silicone that came with your red shims.



OPTION: Louver Window Cover

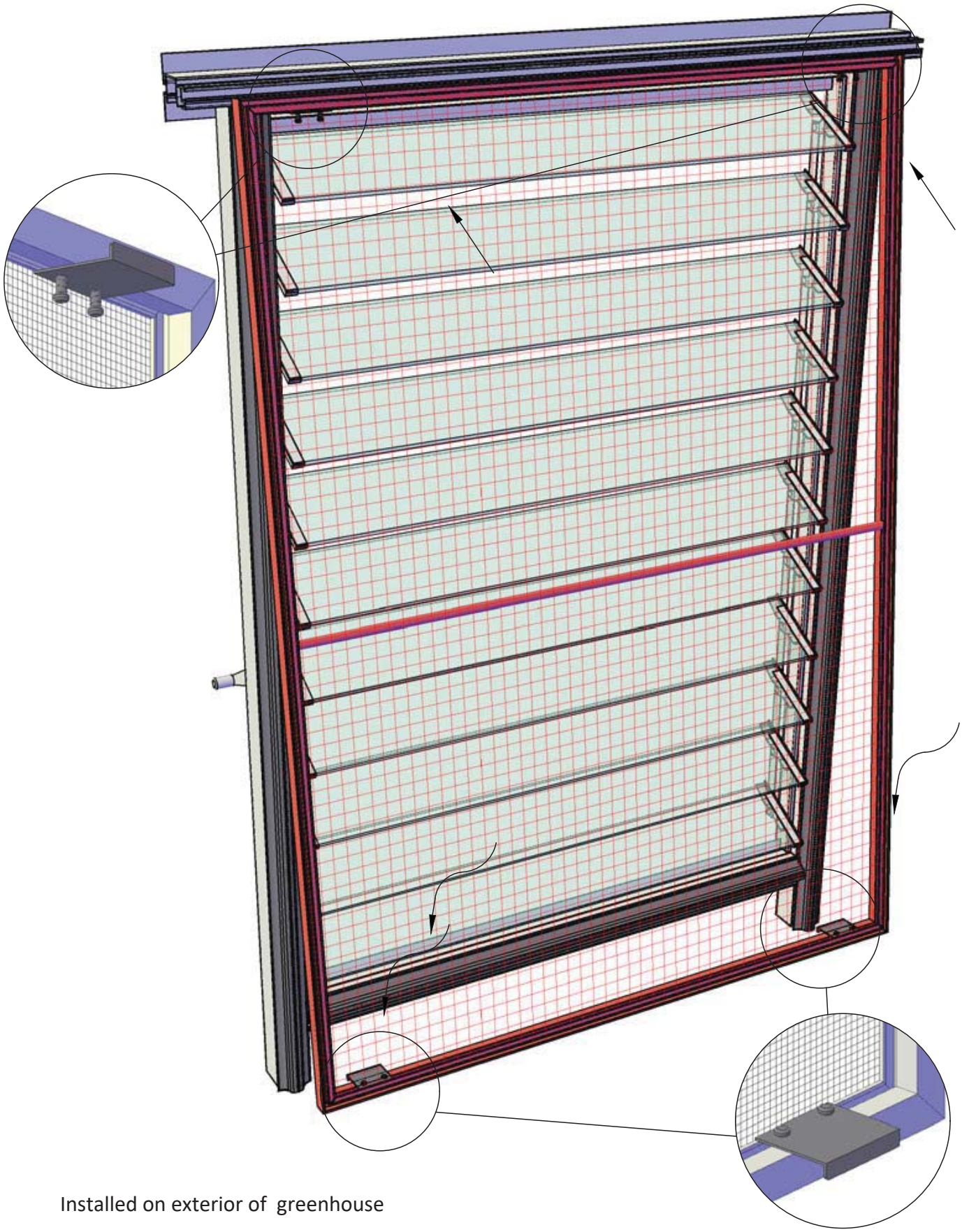
During cold weather, the louvered window may get drafty. You may use an optional lexan cover to seal the louvers during this time.

To install the Lexan panel:

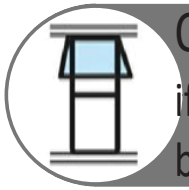
- Unscrew the piston from your auto opener
- Go outside the greenhouse and pull back the heavy duty rubber gaskets that hold in the panes of glass to the left, right, and bottom of the louvered window (see picture to the right)
- Place the lexan panel over the louvers as though it were a pane of glass and replace all the heavy duty gaskets (see photos below)

OPTIONAL UPGRADE: Louvered Window Fly Screen

FLV

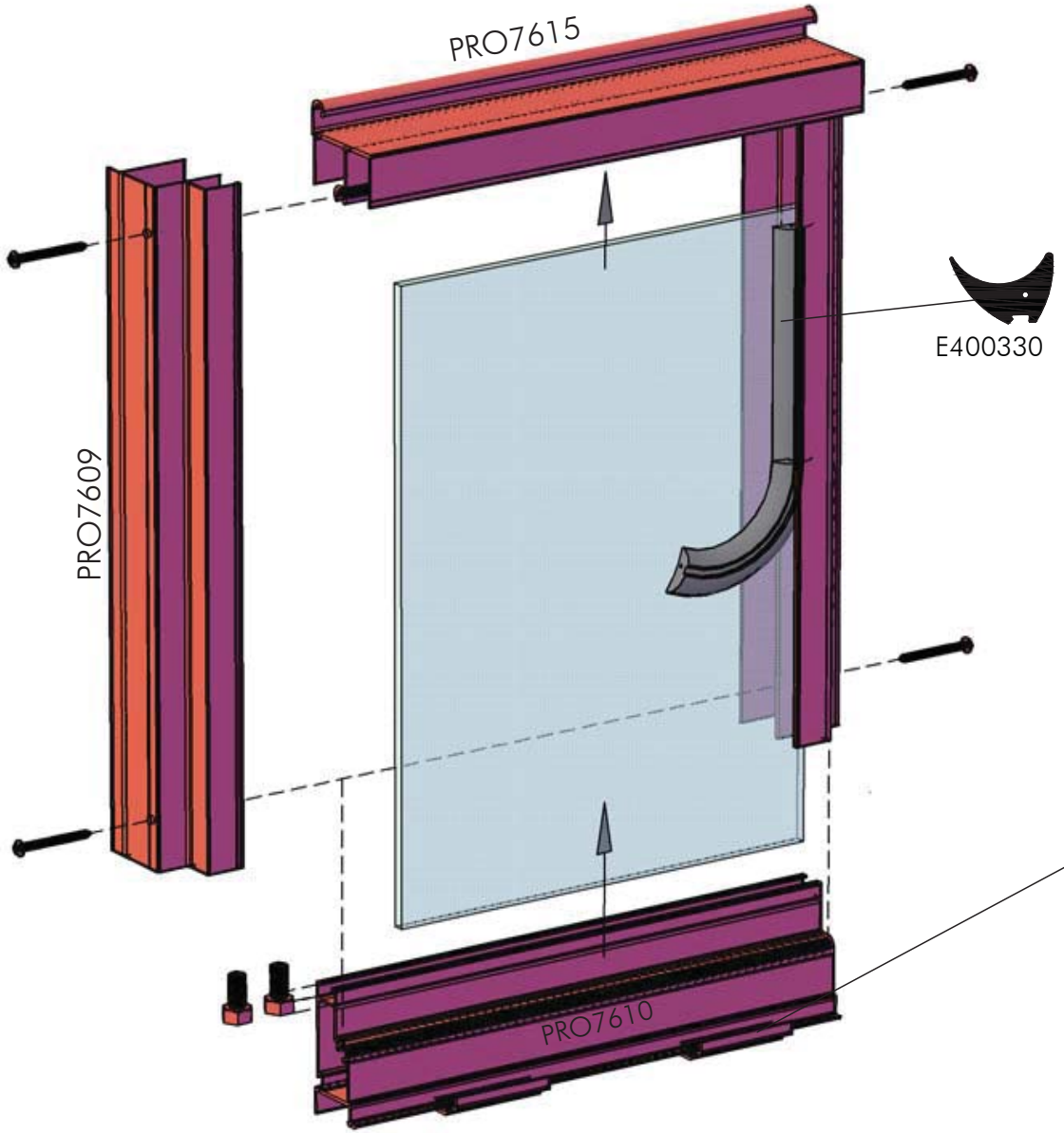


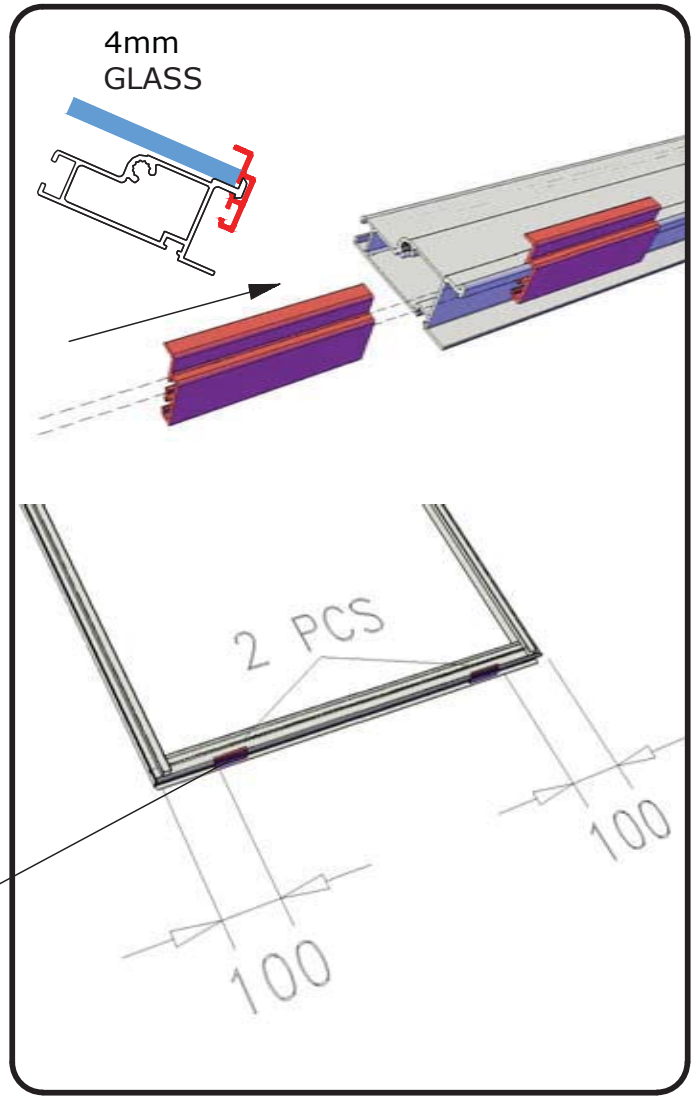
Installed on exterior of greenhouse

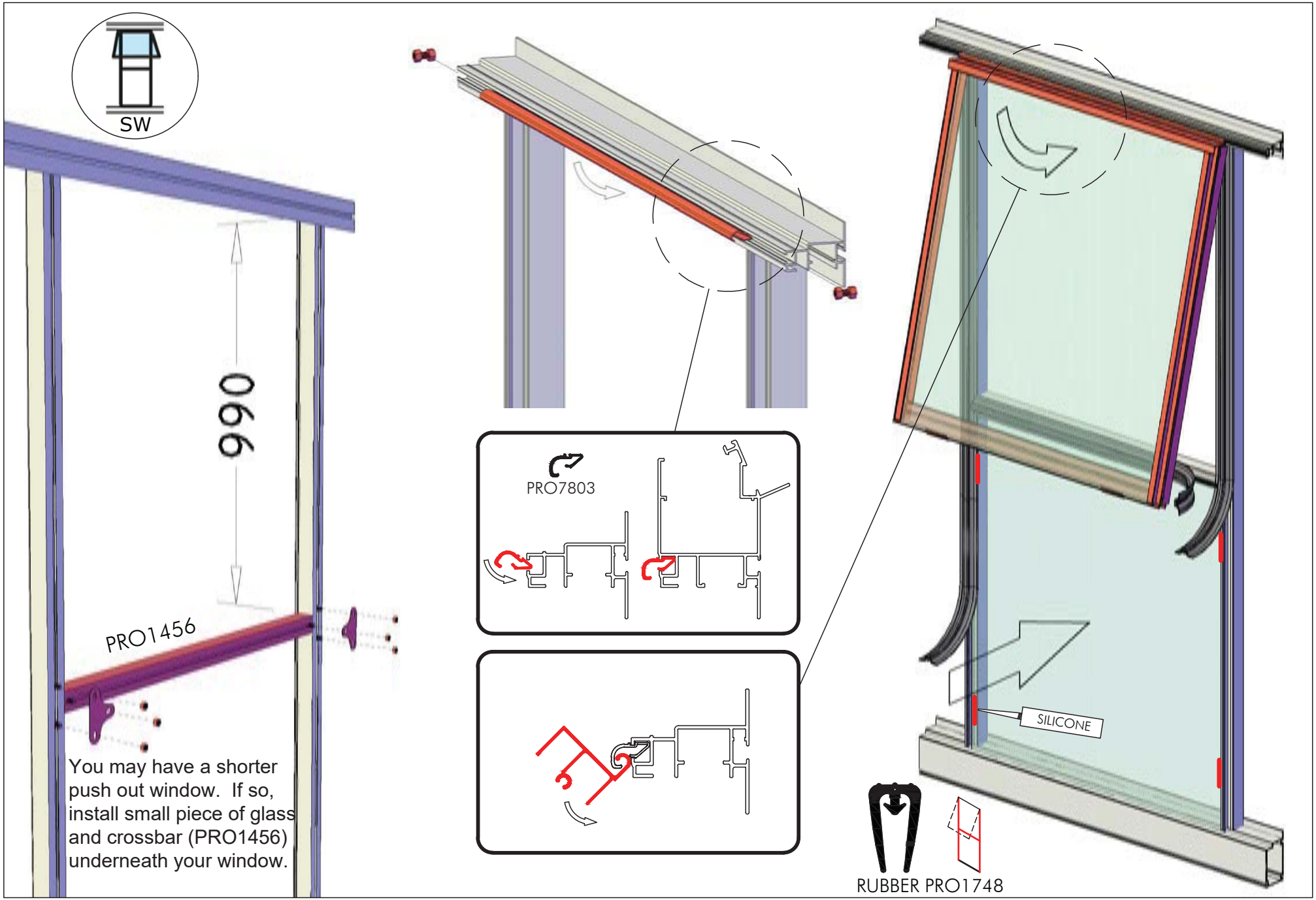


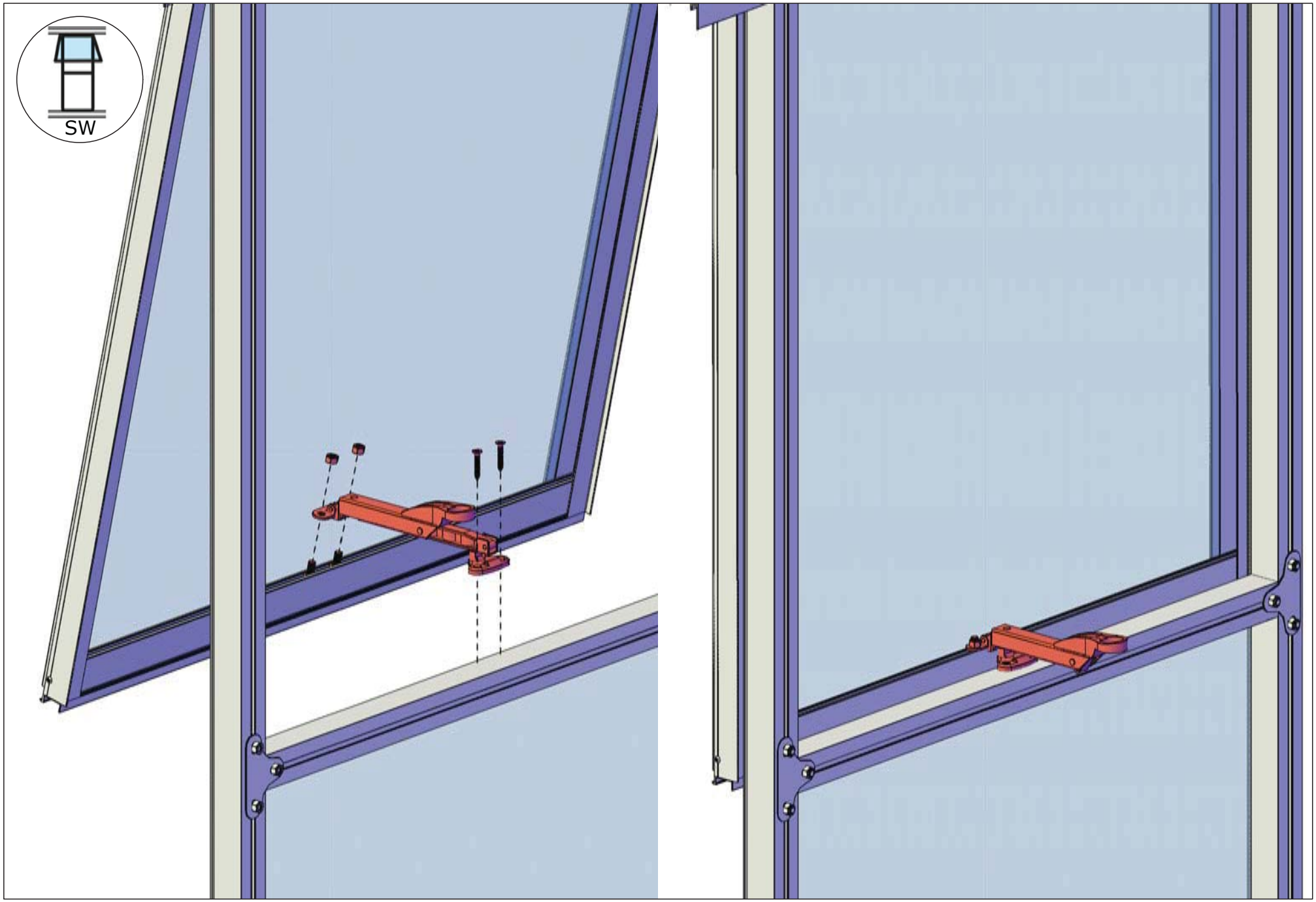
OPTIONAL UPGRADE: Push out window - if added to a Junior - piece for underneath will be Lexan, not glass

SW

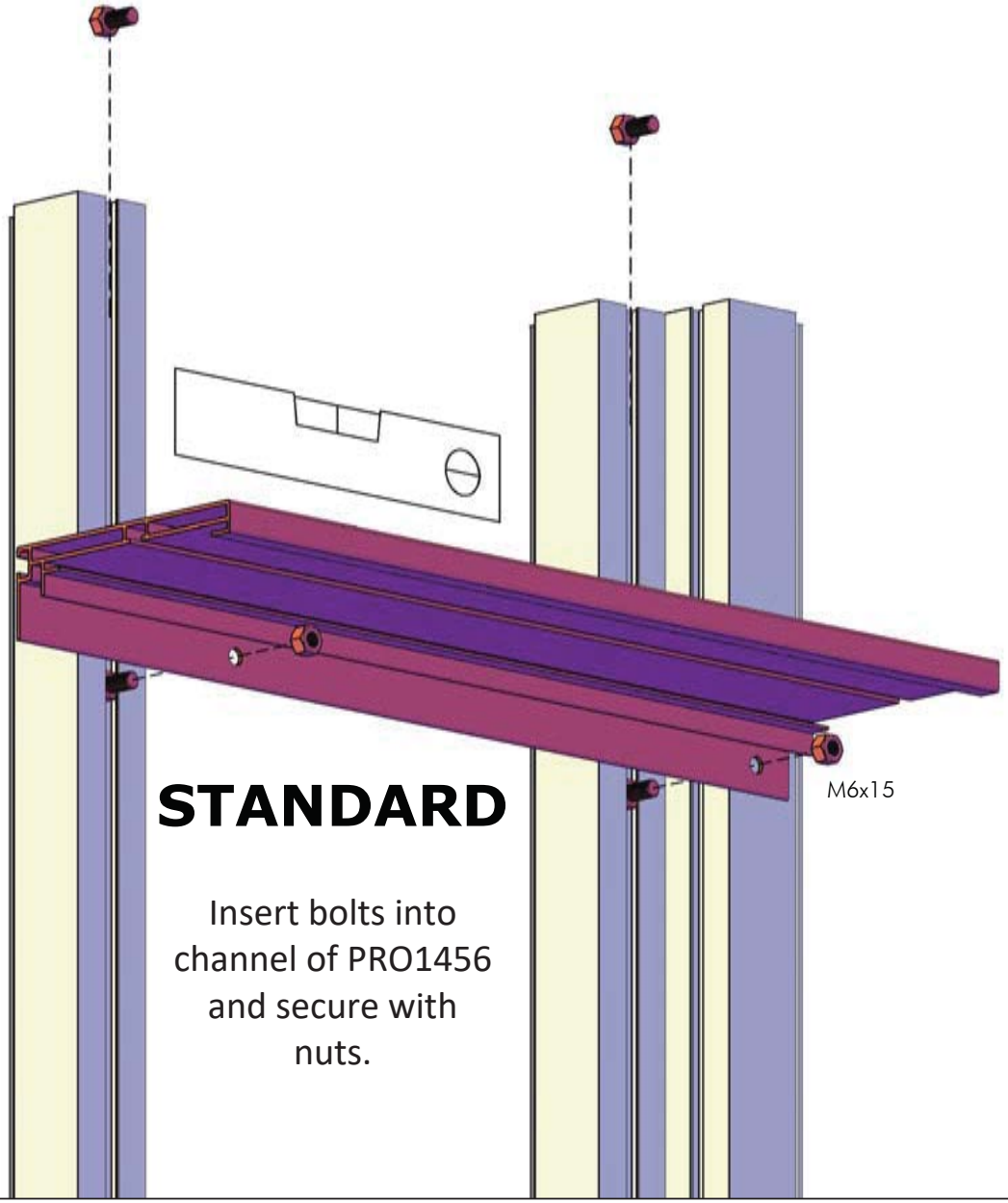





SW
990
PRO1456
You may have a shorter push out window. If so, install small piece of glass and crossbar (PRO1456) underneath your window.
PRO7803
SILICONE
RUBBER PRO1748

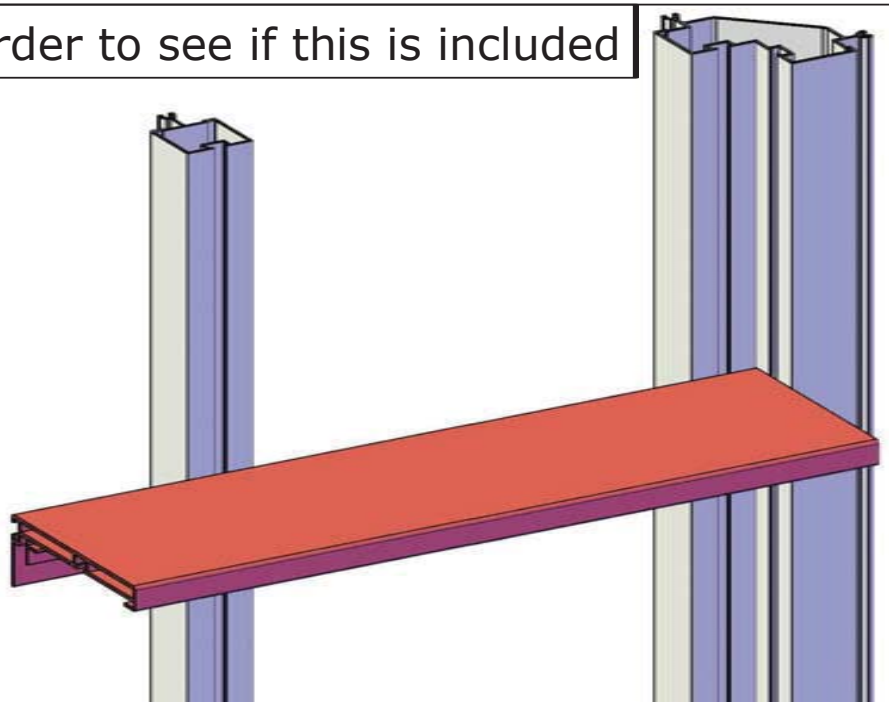

SW

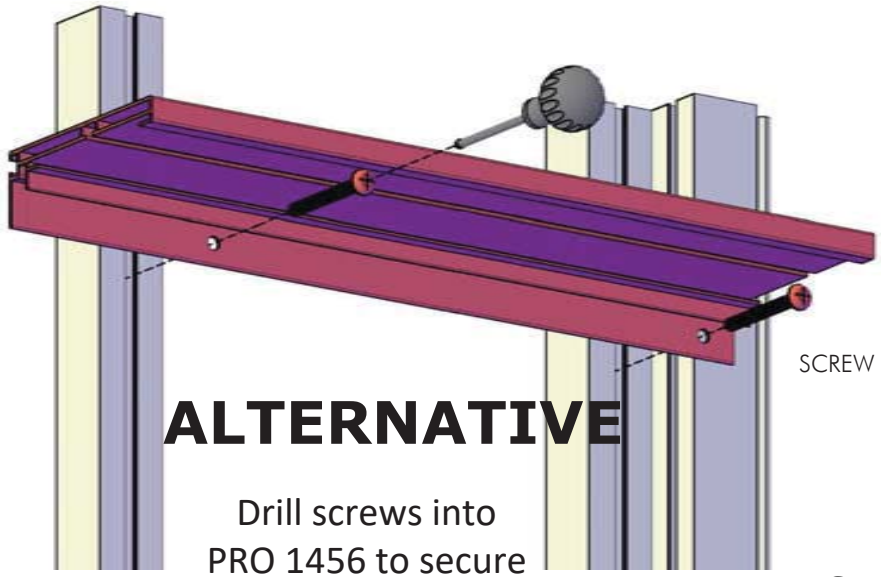
OPTION: Narrow Top Shelf - please check your order to see if this is included



STANDARD

Insert bolts into channel of PRO1456 and secure with nuts.



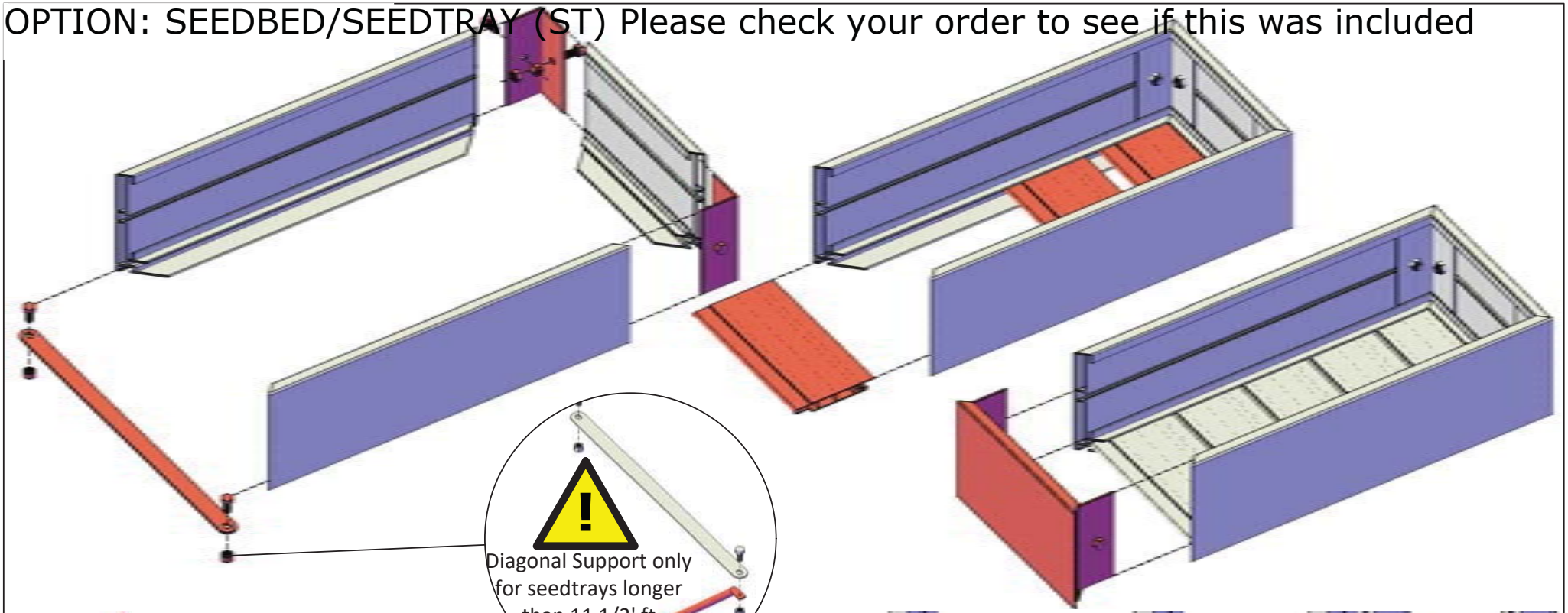


ALTERNATIVE

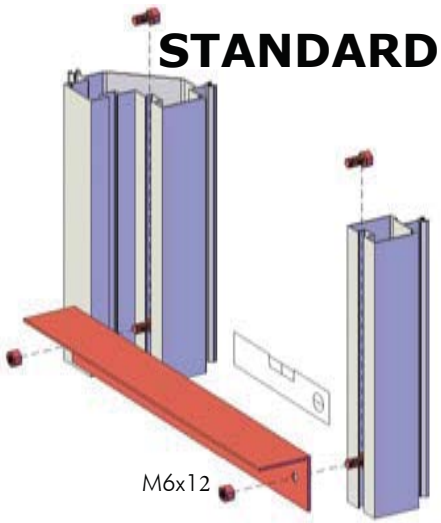
Drill screws into PRO 1456 to secure

SH

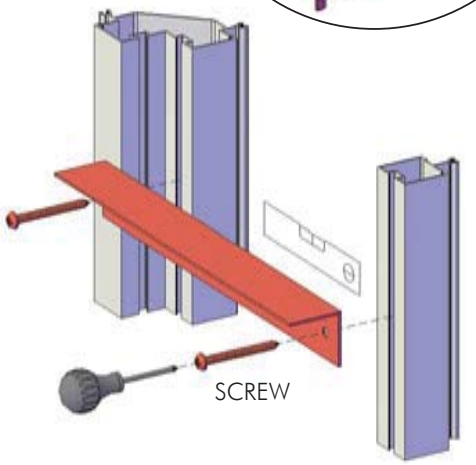
OPTION: SEEDBED/SEEDTRAY (ST) Please check your order to see if this was included



STANDARD

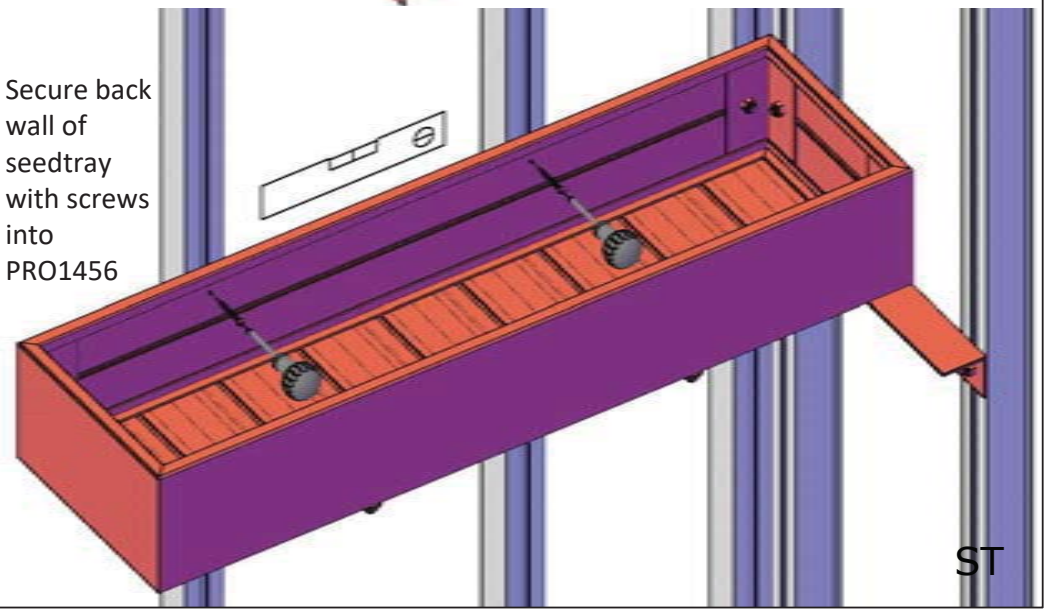


Attach L bracket to bolts inserted into corner post and PRO1456



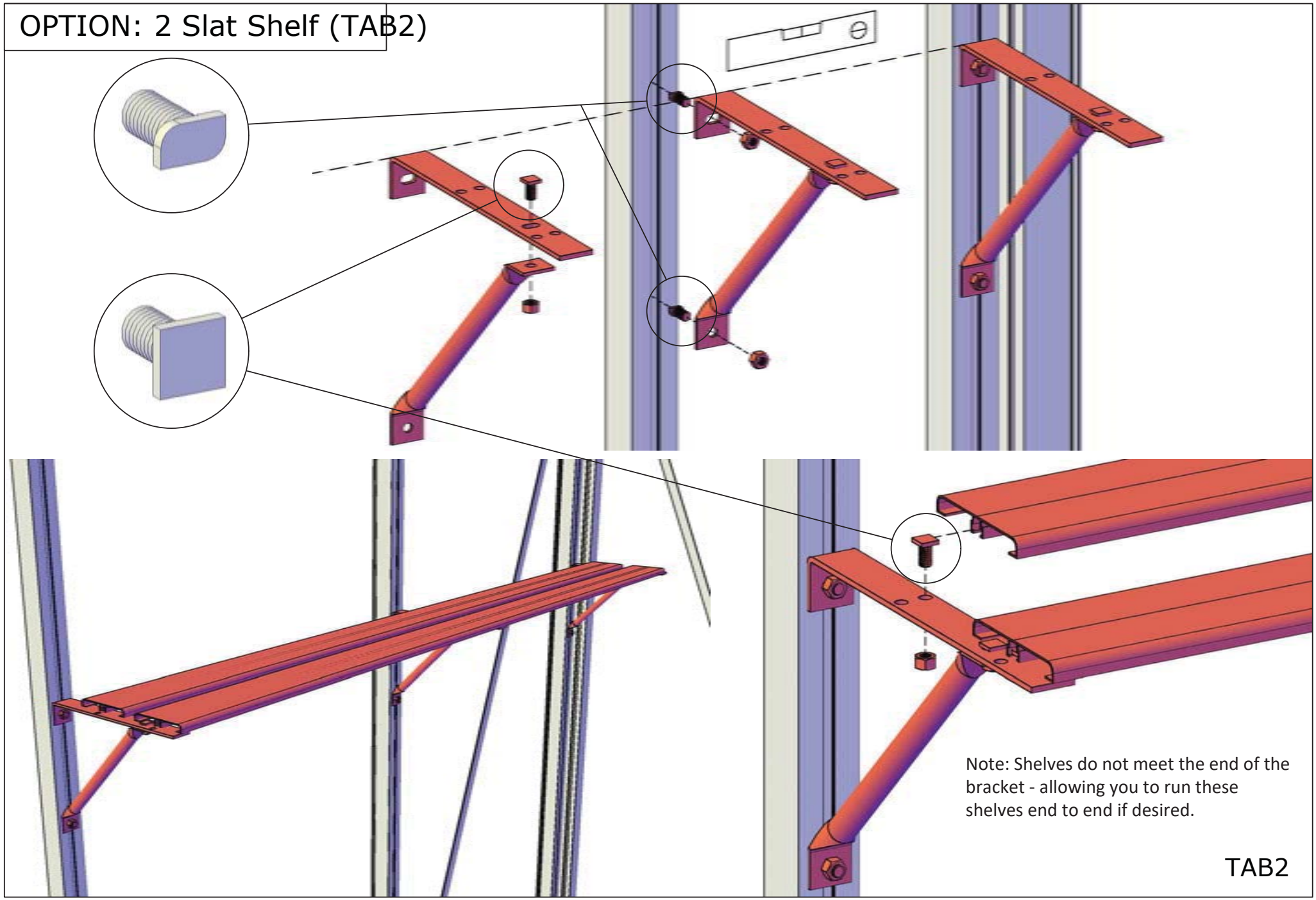
ALTERNATIVE

Secure back wall of seedtray with screws into PRO1456



ST

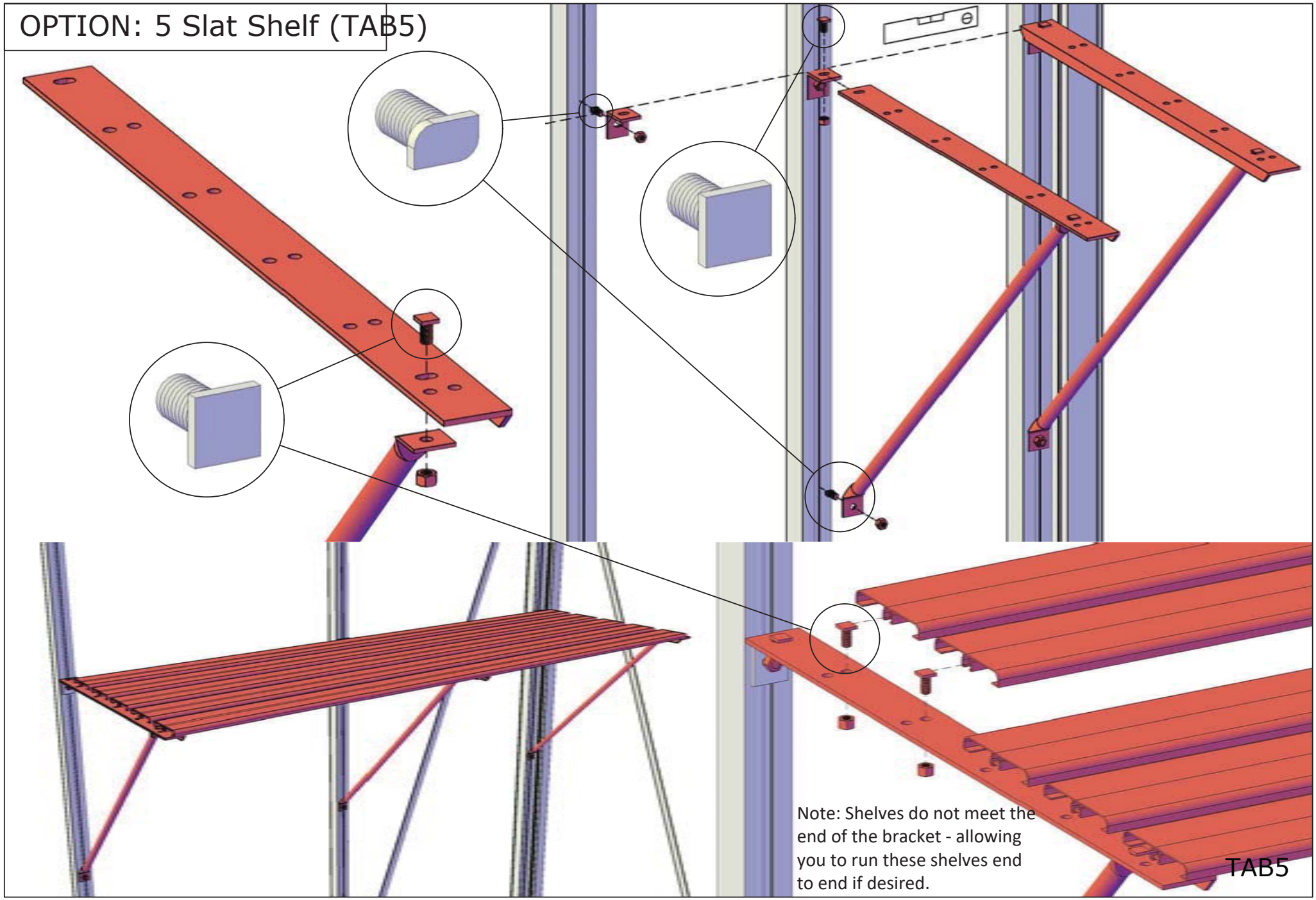
OPTION: 2 Slat Shelf (TAB2)



Note: Shelves do not meet the end of the bracket - allowing you to run these shelves end to end if desired.

TAB2

OPTION: 5 Slat Shelf (TAB5)



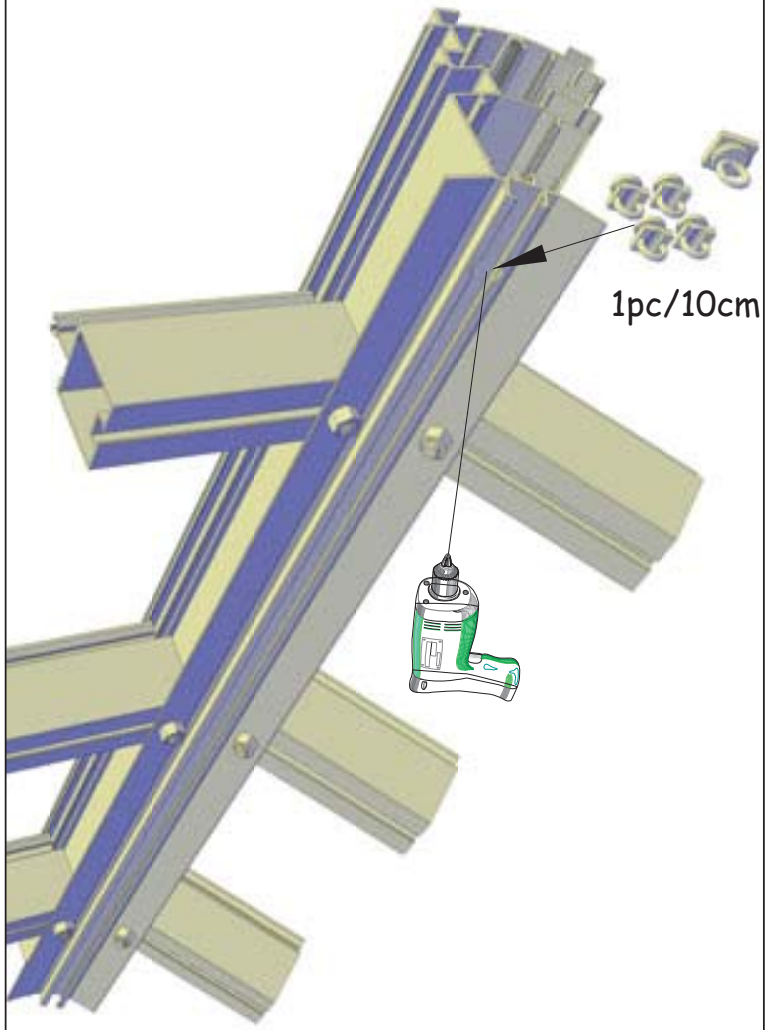
Note: Shelves do not meet the end of the bracket - allowing you to run these shelves end to end if desired.

TAB5

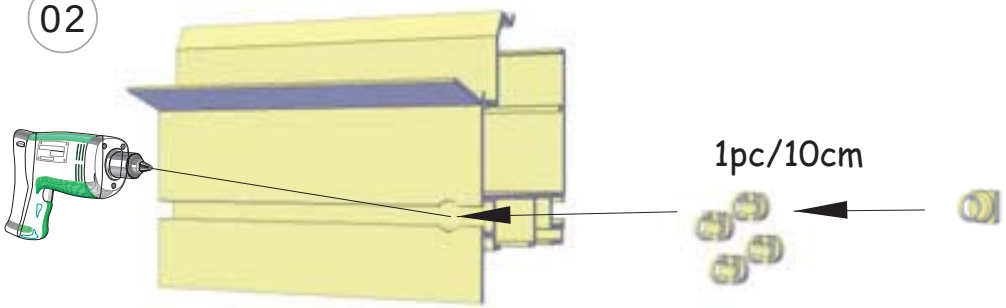
Schermdoek - Toile d' ombrage - Strahlenschütz - Sunscreen
Solskærm-Solskjerm-Telo ombreggiante scorrevole - Skuggväv

TYPE	SUN236_73	SUN310_73	SUN236_300	SUN310_300
	24 pcs	24 pcs	93 pcs	93 pcs
	24 pcs	24 pcs	93 pcs	93 pcs

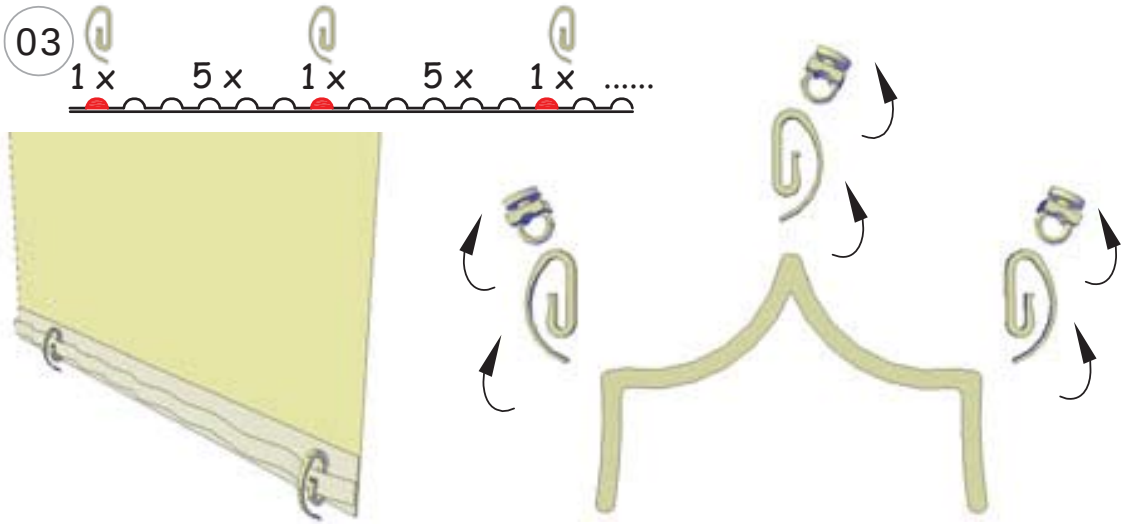
01



02

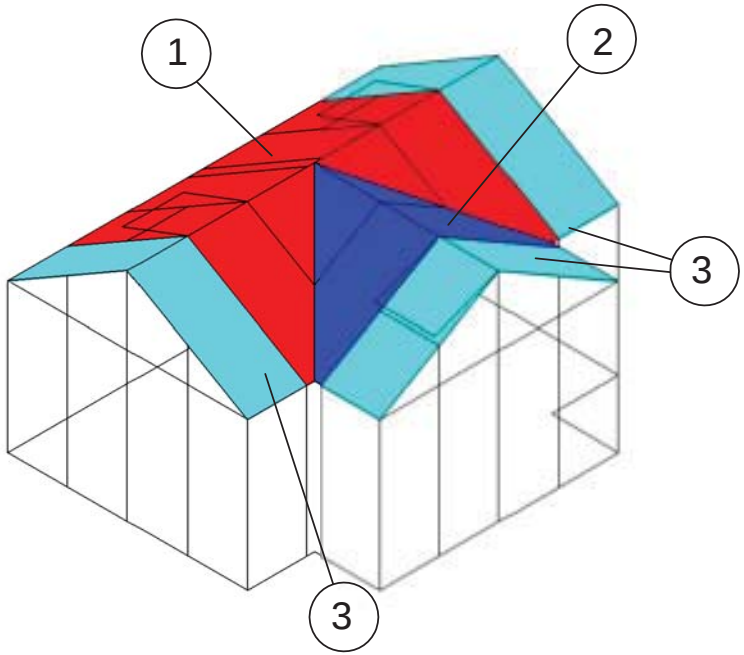


03

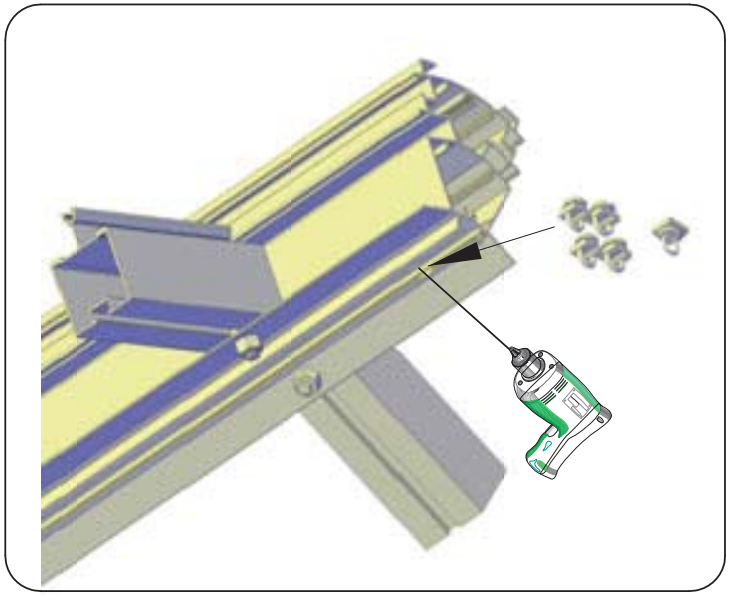


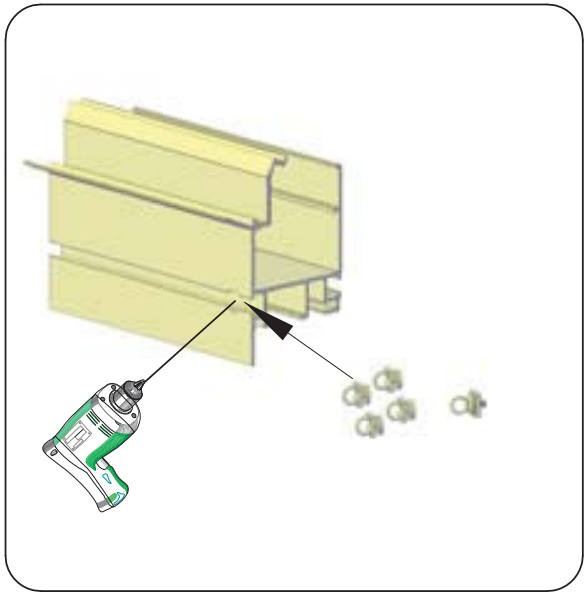
SD1

Schermdoek - Toile d' ombrage - Strahlenschütz - Sunscreen
Solskærm-Solskjerm-Telo ombreggiante scorrevole - Skuggväv



			SUN236	SUN310
1	T1		72 pcs	91 pcs
			72 pcs	91 pcs
2	T2		52 pcs	66 pcs
			52 pcs	66 pcs
3	73		24 pcs	24 pcs
			24 pcs	24 pcs
	300		93 pcs	93 pcs
			93 pcs	93 pcs





SD2

JORA Shadecurtain Sliders breakdown

Long Ridge Beam:
8 sliders
Scroll support
16 sliders
T intersection
16 sliders
Scroll support
8 sliders

Short ridge beam (from gable ends in):
8 sliders
Scroll support
16 sliders

Large back gutter:
8 sliders
Scroll support
36 sliders
Scroll support
8 sliders

Each small gutter section (from gable ends in):
8 sliders
Scroll support
2 sliders

You can add the “stoppers” in as needed.

Curlique hooks go into the curtain every 6th loop.

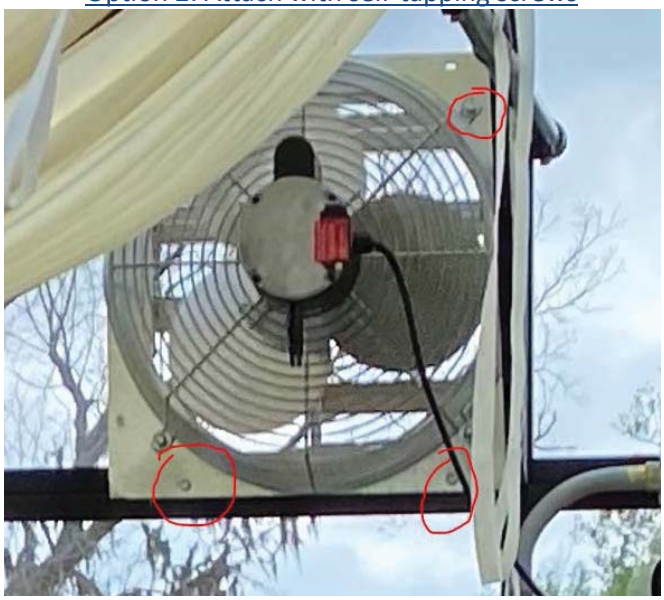
INSTALLING AN EXHAUST FAN IN A VICTORIAN GREENHOUSE

The exhaust fan in a Victorian Greenhouse should be installed up high in one of the gable ends of the greenhouse. If you happen to have polycarbonate walls on your Victorian, you may cut an opening in the polycarbonate to accommodate the fan. If you have glass glazing, we recommend replacing one of your upper angled gable panes with a piece of Lexan. We do offer a precut panel for purchase that is cut with this unusual shape (with a square cut out) that will replace one of the gable panes of glass.

OPTION 1: Attach fan with bolts inserted into channel of PRO1456

Once your panel with the cutout for the fan is in place, mount the fan on the interior of the greenhouse using bolts in the channels of the aluminum extrusions. These bolts will fit through the holes on the exhaust fan. You may need to cut the corner off due to the diagonal support beam being in the way.
Once the fan is mounted on two sides to the aluminum extrusions caulk around the area where the box of the shutters meets the glazing.

Option 2: Attach with self-tapping screws



Conversely, you can use self-tapping screws to hold the Exhaust Fan in place. Pre-drill holes in the exhaust fan metal to match up with the Pro1456 Gable piece. You may need to cut the corner off due to the diagonal support beam being in the way. Once the fan is mounted on two sides to the aluminum extrusions caulk around the area where the box of the shutters meets the glazing.

Customer Service or Assembly Questions?

Give us a call
Toll free: 1-877-760-8500
customerservice@exaco.com
Exaco Trading
www.EXACO.com

Please watch our animated assembly video on our Exaco Trading Co YouTube Channel. Find the link at www.exaco.com

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