

Royal Victorian Greenhouse

VI23,34,36,46



Version 2020_2
04.17.20

MOUNTING INSTRUCTIONS

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



www.exaco.com
877-760-8500

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

PRODUCT INFORMATION

Dear customer,

Thank you for buying a Janssens high-quality aluminium greenhouse.

REMARKS

In this manual, you will find the assembly instructions for all basic/standard-model greenhouses. However, this manual also contains page which apply to optional accessories that may not be included with your kit. *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. Aluminium profiles that are not painted may show black stains, these stains are not a production error: they can be easily removed with a aluminium cleaner available at a home improvement store. 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 should be made by the owner or operator and should be checked periodically. During winter, the roof will need to be cleared of snow or supported in a suitable way. The greenhouse should be built in a location protected from strong winds. Protective gear (such as protective gloves) should be used during assembly in order to avoid injuries. One should at all times pay attention to the local building regulations.

ASSEMBLY ORDER

The assembly procedure is the same for all our greenhouses.

- Sorting of the profiles/extrusions according to the model/size of greenhouse. The aluminum profiles (extrusions) are identified by their cross-section and length.
- Assembly of the complete aluminium framework.
- Leveling of the construction using a level
- Anchoring/securing of the greenhouse to the ground
- Glazing installation

REQUIRED TOOLS

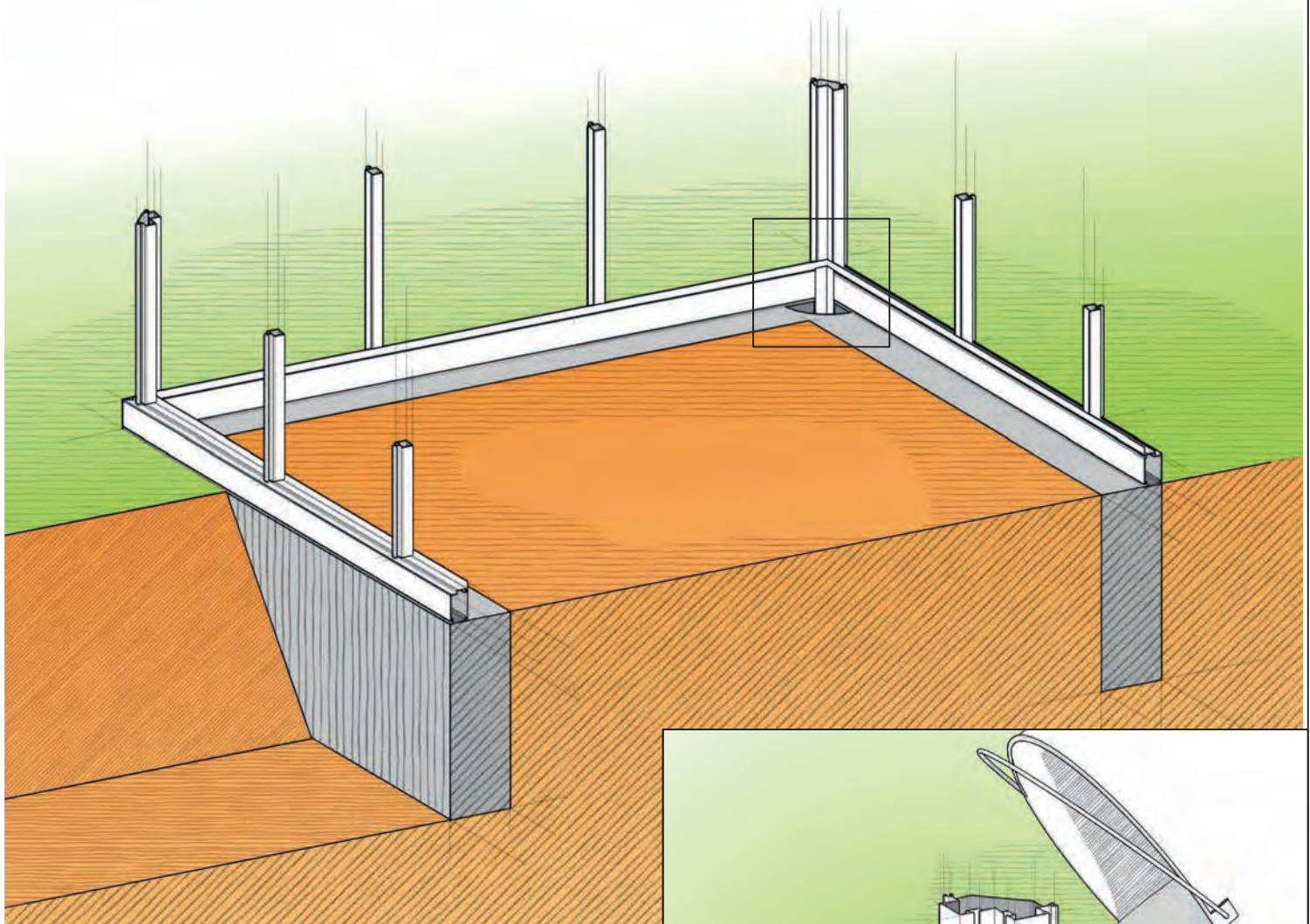
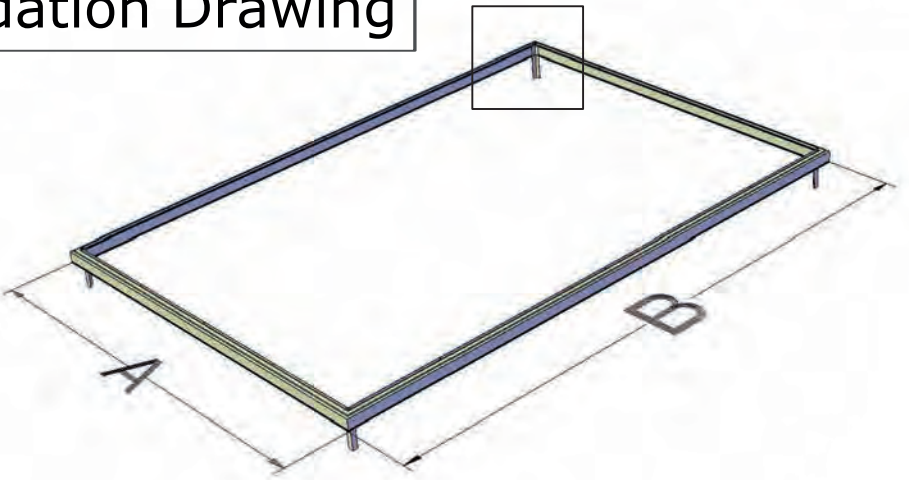
- Metric or Combination Measuring Tape (highly recommended)
- Socket wrench or spanner 10mm
- Level
- Screwdriver
- Drill + drill bit 4.2 mm
- Scissors (to cut the rubber).

We reserve the right to change the construction without prior notice!

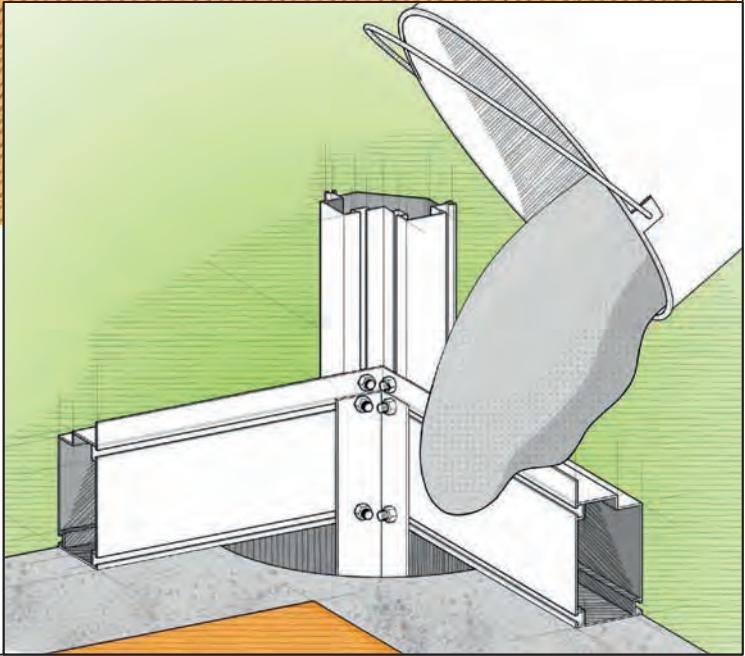
Questions? Need Assembly Support?
Please call Exaco at 877-760-8500, ext. 701 or email
customerservice@exaco.com.

Royal Victorian Foundation Drawing

A	X	B
VI23 2360mm/93"	VI23 3098mm/122"	
VI34 3098mm/122"	VI34 4574mm/180"	
VI36 3098mm/122"	VI36 6050mm/ 238.2"	
VI46 3836mm/151"	VI46 6050mm/ 238.2"	

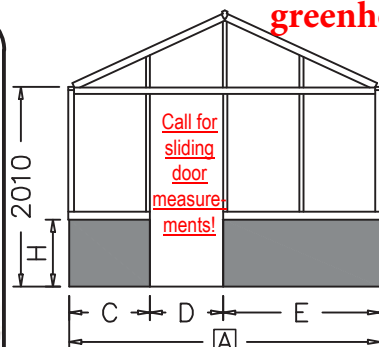
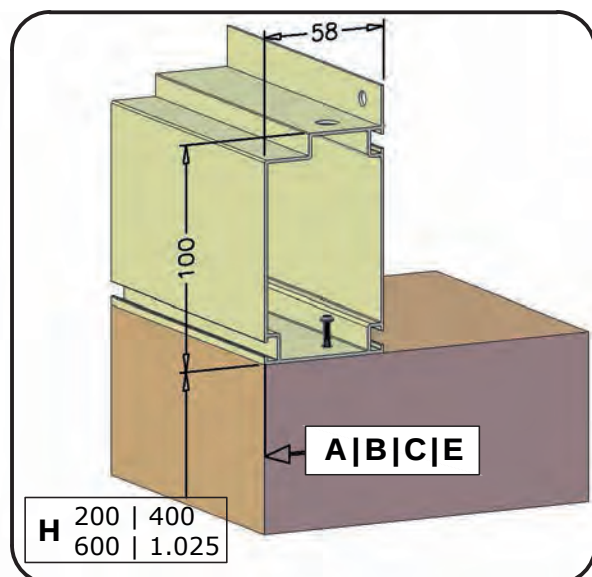


Note: Do not set the corners in concrete until the entire greenhouse frame is complete, level and square. You may need some play to install the uprights.



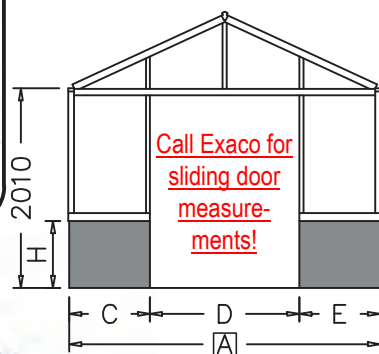
VI 34,36,46 with Stem Wall

This page only applies when you have a door extension kit and are placing your greenhouse on a wall. (2020 HDD)



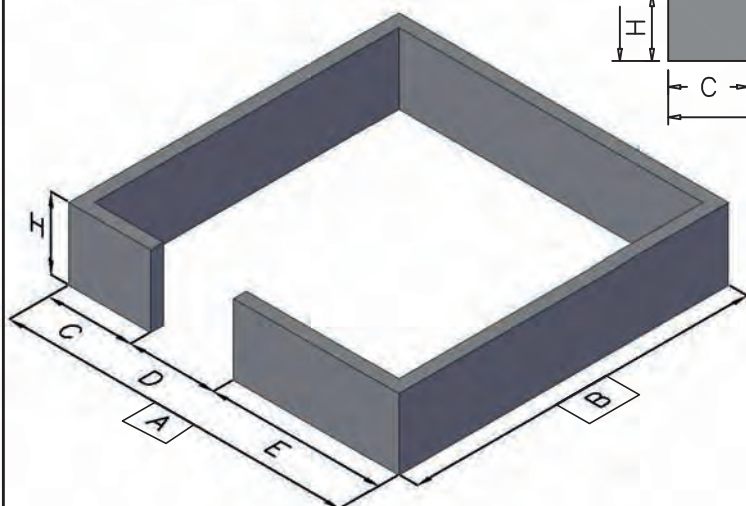
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B	=	2.360		3.098		3.836
		4.574		5.312		6.050
C	=	829		1.567		2.305
D	=	703	<u>hinged</u> door ONLY!			
E	=	829		1.567		2.305

!!! A = C + D + E !!!



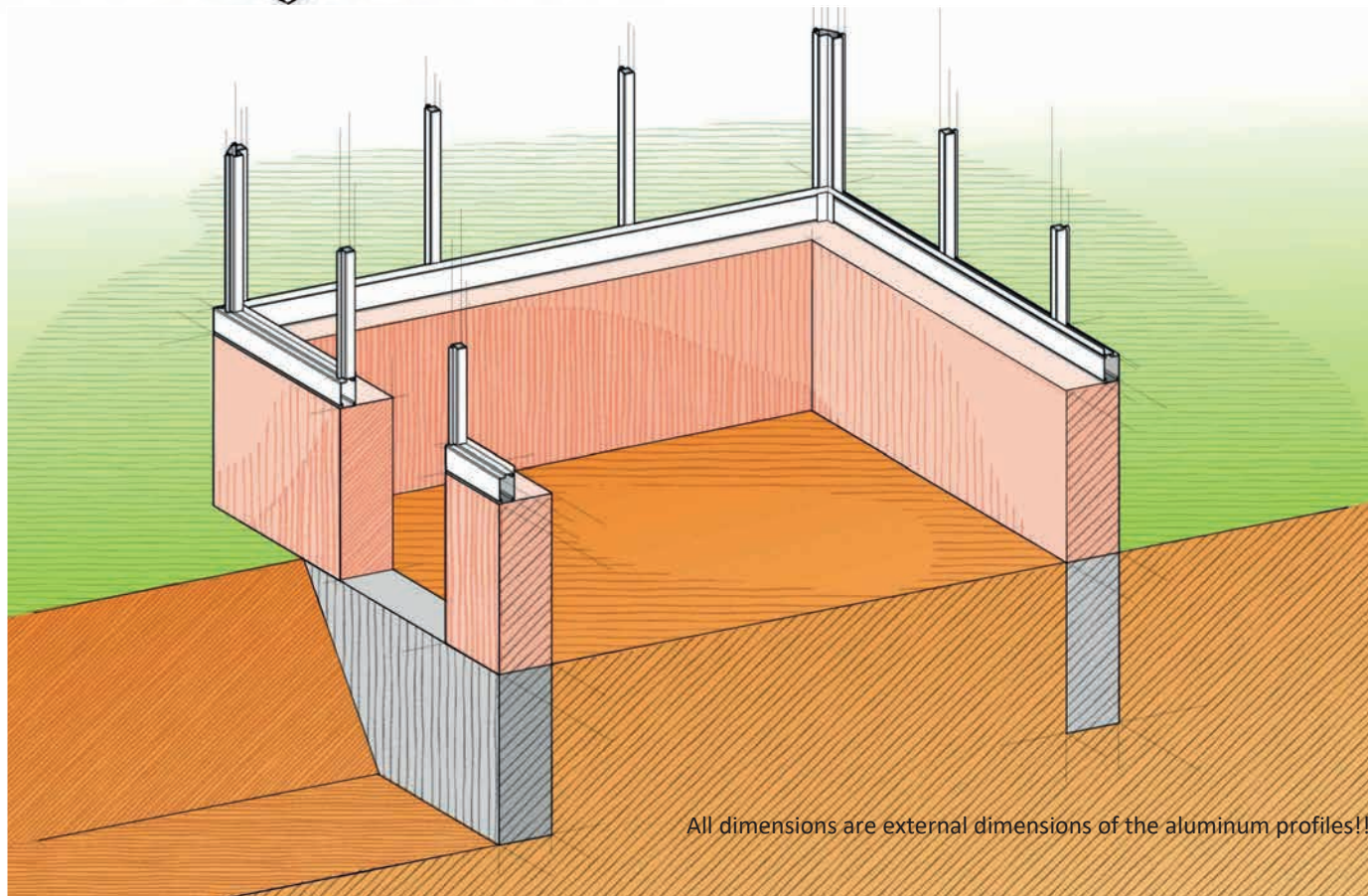
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B	=	2.360		3.098		3.836
		4.574		5.312		6.050
C	=	829		1.567		2.305
D	=	1.441		<u>hinged door ONLY!</u>		
E	=	829		1.567		2.305

!!! A = C + D + E !!!



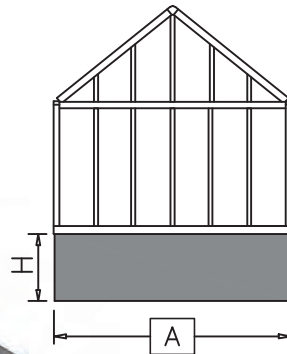
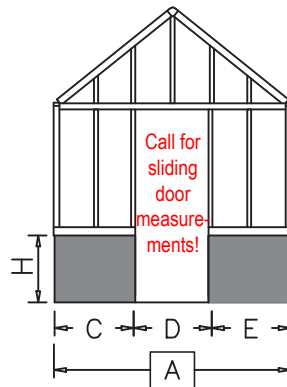
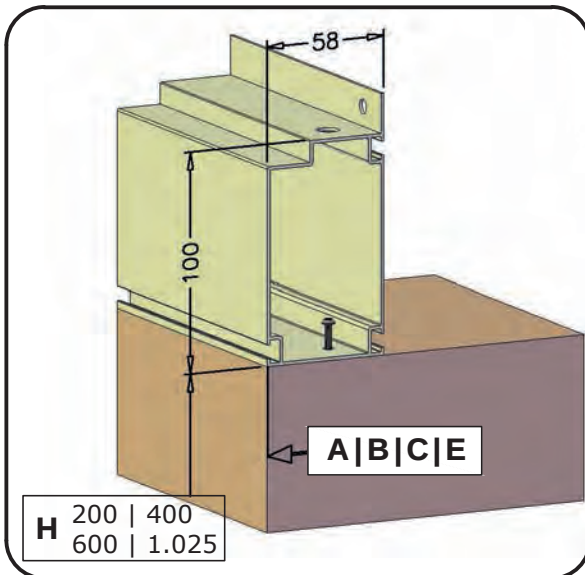
Divide millimeters by 25.4 to get inches, or use Google.

Please note - Customizable: Door/s can be placed on any side in any bay/s, so your A measurement could be your gable end OR your long wall. Use the above measurements in conjunction with the measurements from the previous page.



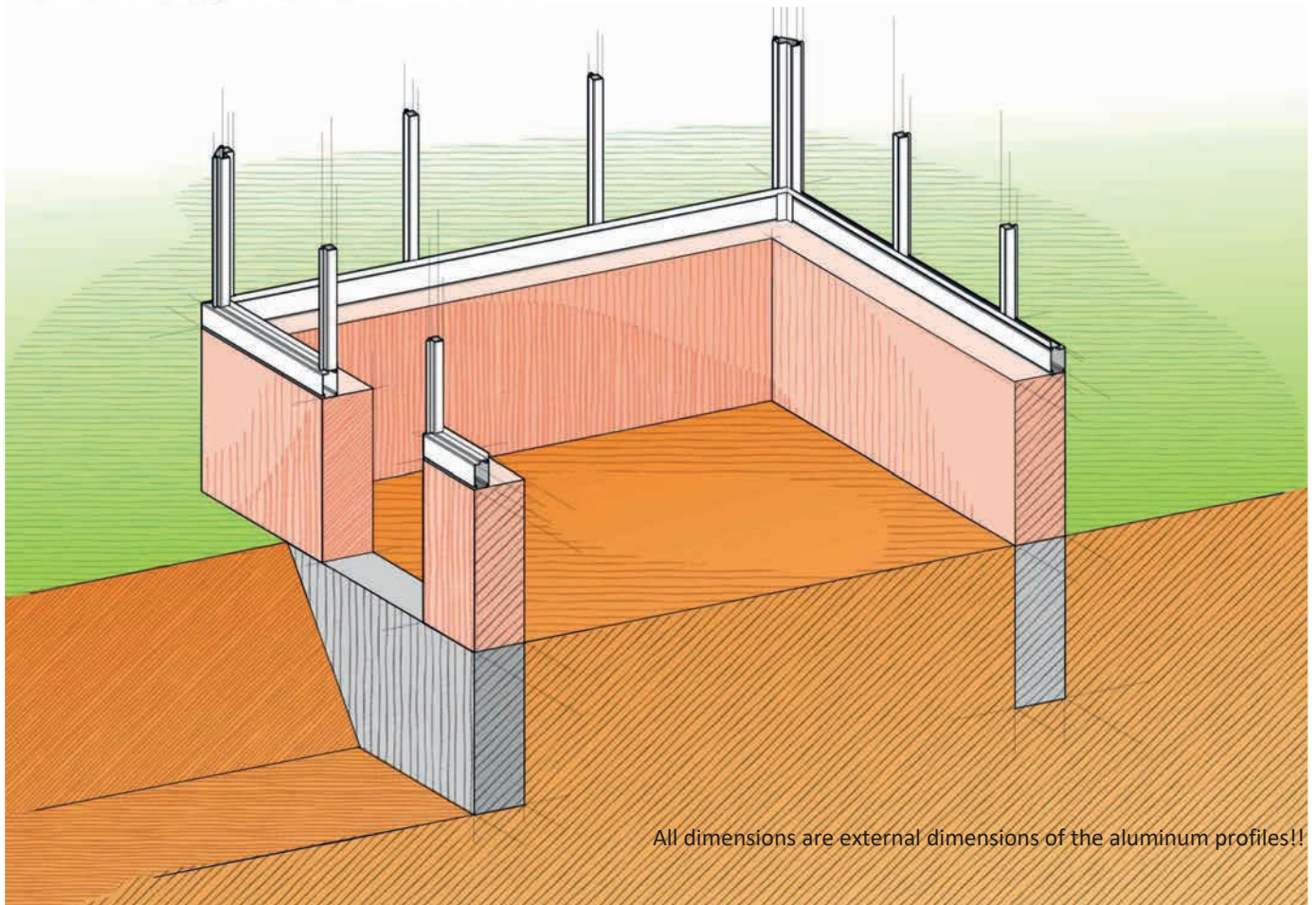
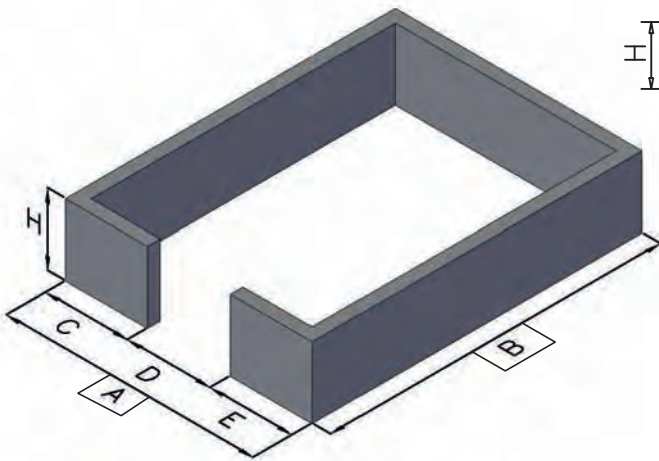
All dimensions are external dimensions of the aluminum profiles!!

VI 23 on Stem Wall- One door on Gable (shown with narrow panes)



A = 2.360
B = 2.360 | 3.098 | 3.836
 4.574 | 5.312 | 6.050
C = 829
D = 703 hinged door ONLY!
E = 829

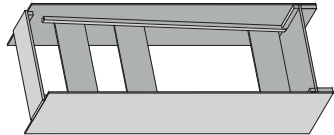
!!! **A** = C + D + E !!!



All dimensions are external dimensions of the aluminum profiles!!

PALLET

WEIGHT:	MASTER
M23	384 kg
M24	485 kg
M34	567 kg
M36	676 kg
DIMENSIONS:	
800 x 900 x 2300 mm	

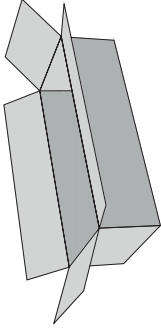


PACKING LIST Royal Victorian

Identify Parts by extrusion shape (cross-section) and length. If you don't have one yet, we highly recommend a metric or combination tape measure!

COLLI A (HELIOS)

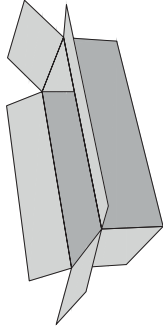
WEIGHT:	19 kg
M23/M24	25 kg
M34/M36	
DIMENSIONS:	
250 x 150 x 3200 mm	M23/M24
4700 mm	M34/M36



ITEM	M23 / M24	M34 / M36
PRO6120 foundation profile	2360 mm 2 pc	3098 mm 2 pc
B19_1030 round tube Ø19		1030 mm 2 pc
L40X40GATFUND	400 mm 4 pc	400 mm 4 pc
PRO20229 horizontal gable prof.	2244 mm 2 pc	2982 mm 2 pc
PRO21214 wind bracings roof	2543 mm 4 pc	2757 mm 4 pc
PRO1456 glazing bar	547 mm 2 pc	703 mm 2 pc
PRO1456 glazing bar 90 / 65		396 mm 2 pc
PRO1456 glazing bar 65 / 90		396 mm 2 pc
E400330 halfmoon glazingrubber	1 pc	20 lm 1 pc
SAPAKHELIOS PVC gable pieces bolt M6x50 DIN933 A2 Nut M6 L2G	1 pc	1 pc

COLLI B (HELIOS)

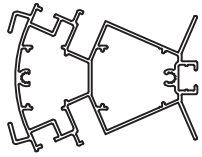
WEIGHT:	26 kg
M23	39 kg
M24/M34	
M36	52 kg
DIMENSIONS:	
250 x 150 x 3200 mm	M23
4700 mm	M24/M34
6250 mm	M36



ITEM	M23	M24 / M34	M36
PRO6120 foundation profile	3098 mm 2 pc	4574 mm 2 pc	6050 mm 2 pc
PRO20227 gutter profile	3098 mm 2 pc	4574 mm 2 pc	6050 mm 2 pc
PRO6760 ridge profile	3098 mm 1 pc	4574 mm 1 pc	6050 mm 1 pc
ZAK_BOUT nut cap M6 nut M6 bolt M6x12 DIN933 A2	2 pc 50 pc 50 pc 50 pc	3 pc	3 pc

POSITION	GLAS DIMENSIONS	M23	M24	M34	M36
sliding door	730 x 1850 mm	1 pc	1 pc	1 pc	1 pc
gabels	730 x 1850 mm	12 pc	16 pc	18 pc	22 pc
underneed louvre-vent	730 x 825 mm	1 pc	1 pc	1 pc	1 pc
triangle H1	1099 x 74 x 543 mm	4 pc	4 pc	-	-
triangle H2	730 x 74 x 411 mm	-	-	4 pc	4 pc
triangle H3	730 x 414 x 696 mm (113 plat)	-	-	4 pc	4 pc
roof	730 x 1250 mm	6 pc	9 pc	-	-
roof	730 x 1650 mm	-	-	9 pc	12 pc
roofwindow	730 x 825 mm	2 pc	3 pc	3 pc	4 pc
underneed roofwindow	730 x 425 mm	2 pc	3 pc	-	-
underneed roofwindow	730 x 825 mm	-	-	3 pc	4 pc

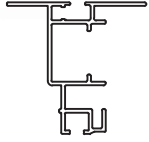
ITEM	M23	M24	M34	M36
LAMELLEN + ZAKJE_LAMEL	1 pc	1 pc	1 pc	1 pc
ESD_183_ZS	1 pc	1 pc	1 pc	1 pc
DAKR_HEL	2 pc	3 pc	3 pc	4 pc
PRO6578 corner profile	4 pc	4 pc	1830 mm	4 pc
PRO1456 glazing bar gable	1830 mm	8 pc	1830 mm	14 pc
PRO6918 endbar roof	1230 mm	4 pc	1630 mm	4 pc
PRO1456 glazing bar roof	1230 mm	6 pc	1630 mm	10 pc
PRO10980 round tube Ø40	1900 mm	2 pc	1900 mm	2 pc
PRO21214 wind bracings gabel	1975 mm	8 pc	1975 mm	8 pc
PRO1748 rubber 12m/rol	5 pc	6 pc	7 pc	8 pc
ZAK_H screw 4.8x38 DIN7504 N A2 bolt M6x25 DIN933 A2 screw 4.8x19 DIN7504 M A2 glasholder PVC Ø40 90° PVC gutter pieces	1 pc 2 pc 4 pc 10 pc 32 pc 2 pc 2 + 2 pc	1 pc 1 pc	1 pc	1 pc



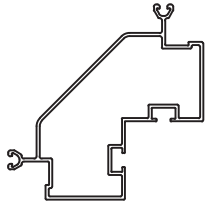
PRO6760



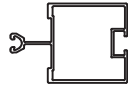
Ø 19



PRO20229



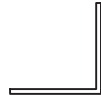
PRO6578



PRO1456



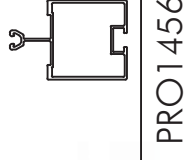
TRE



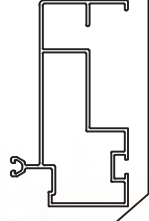
PRO210

Key to Profile (Extrusion) Placement

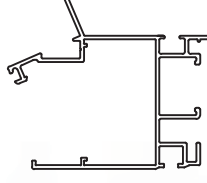
Note: Model pictured in entire manual is VI34 -
your size/layout may vary.



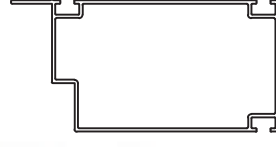
PRO1456



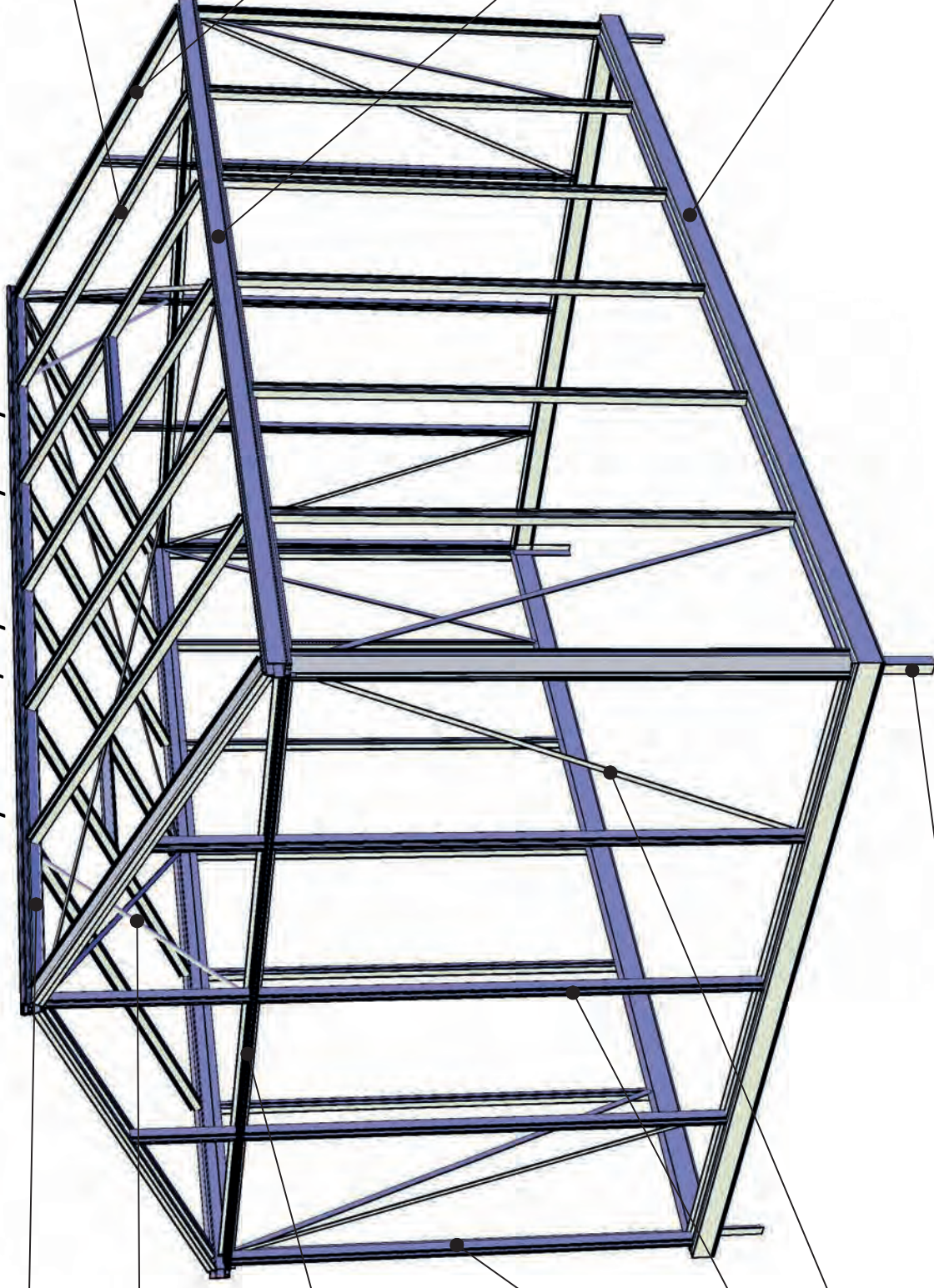
PRO6918

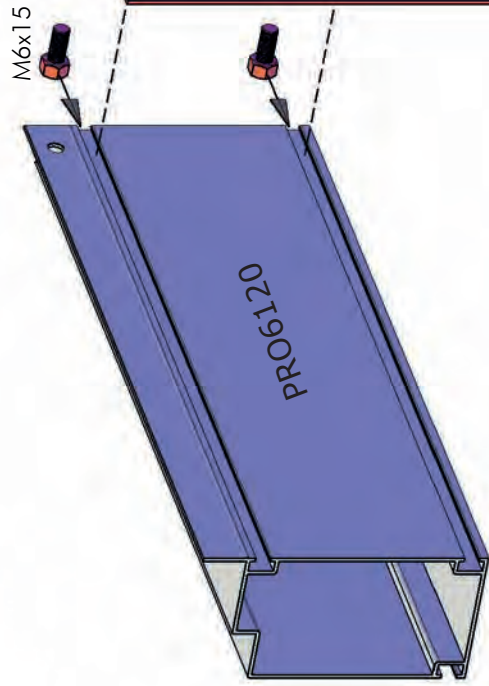


PRO20227

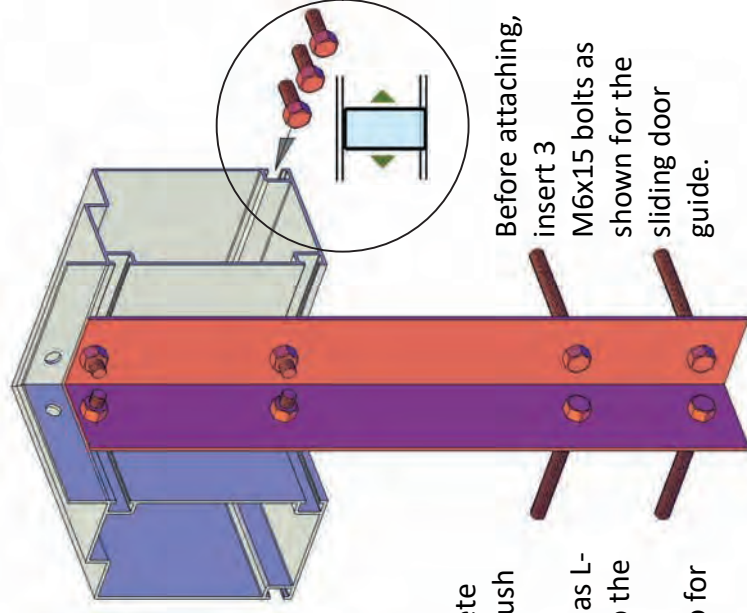
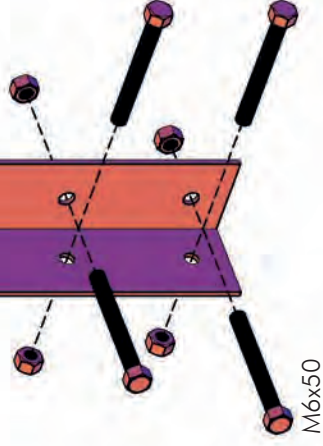
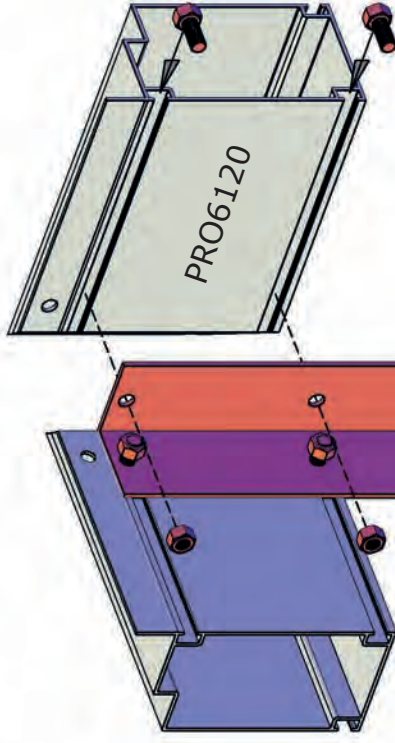
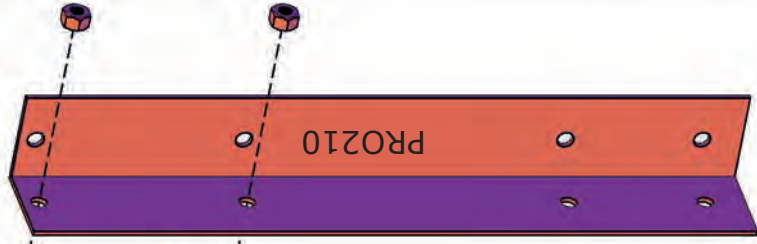


PRO6120



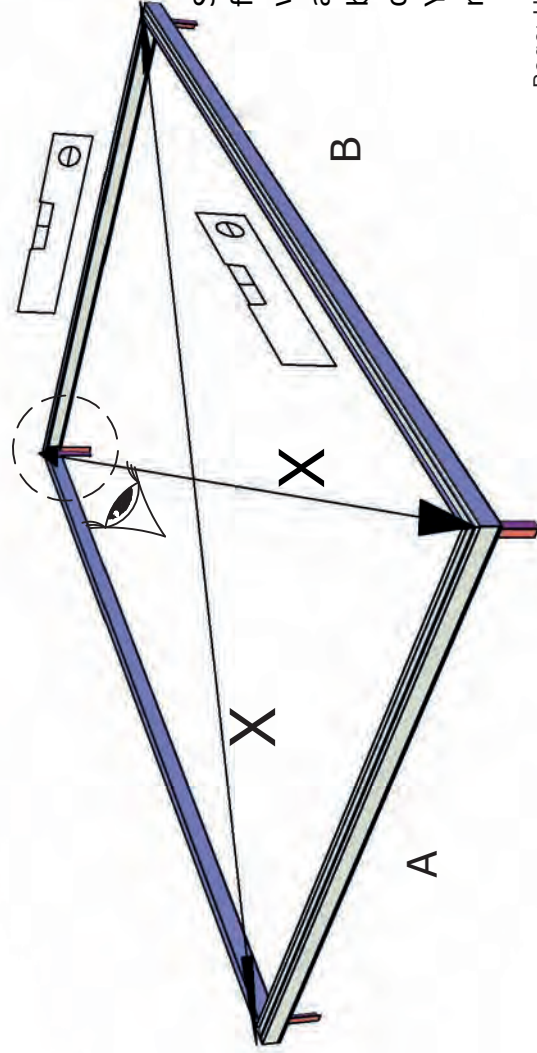


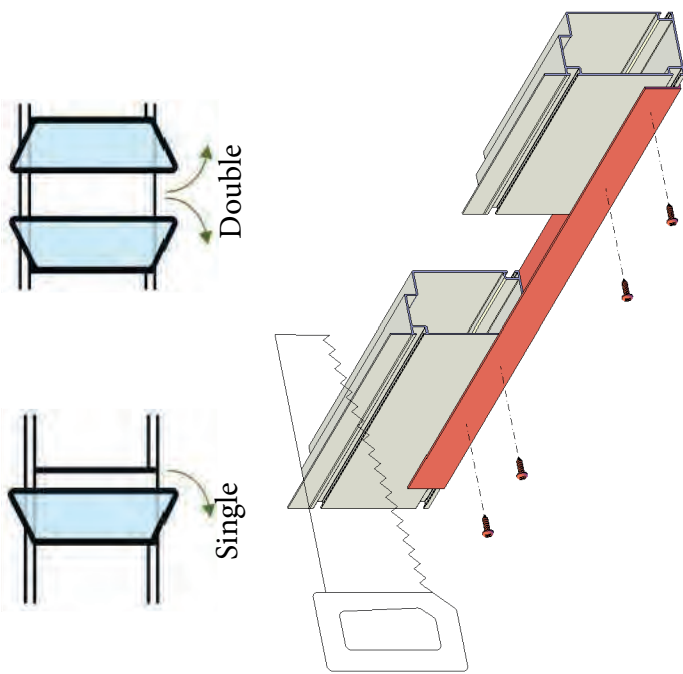
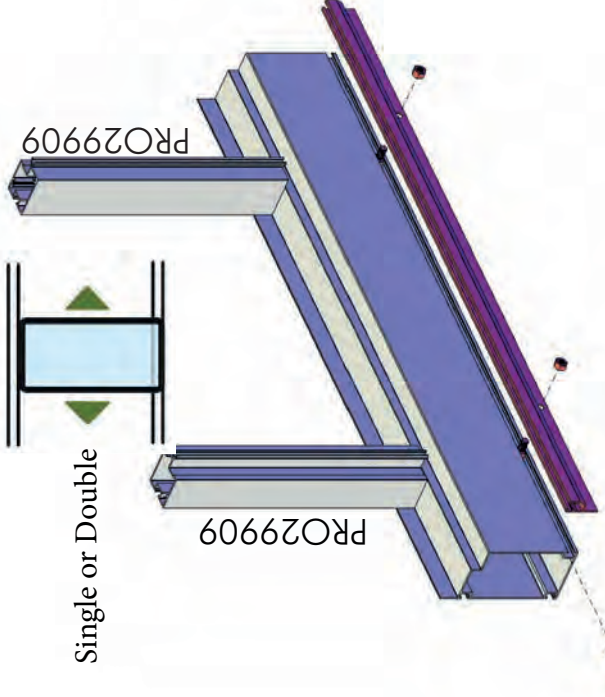
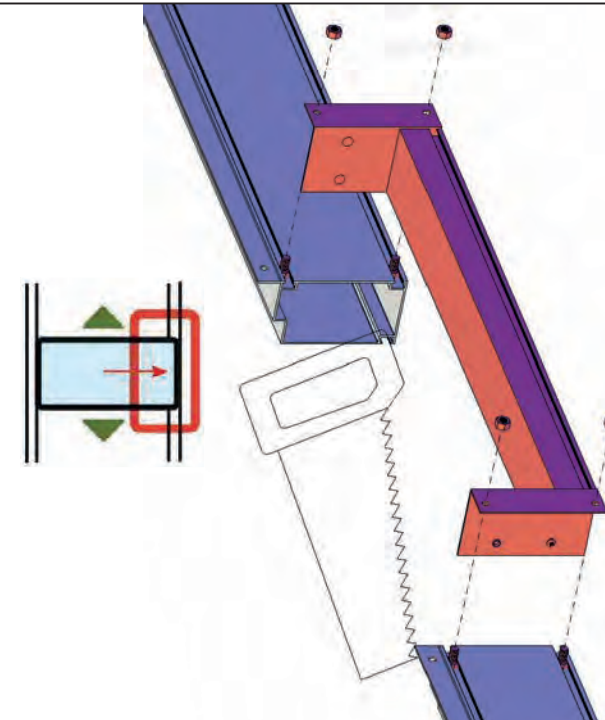
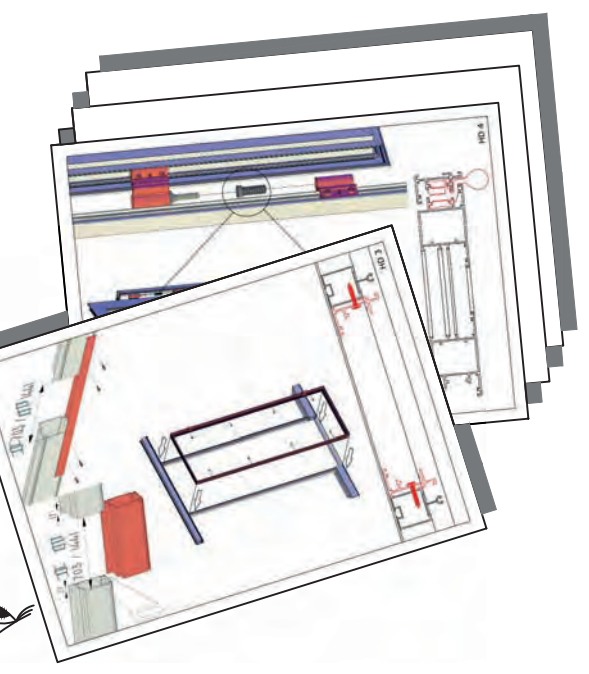
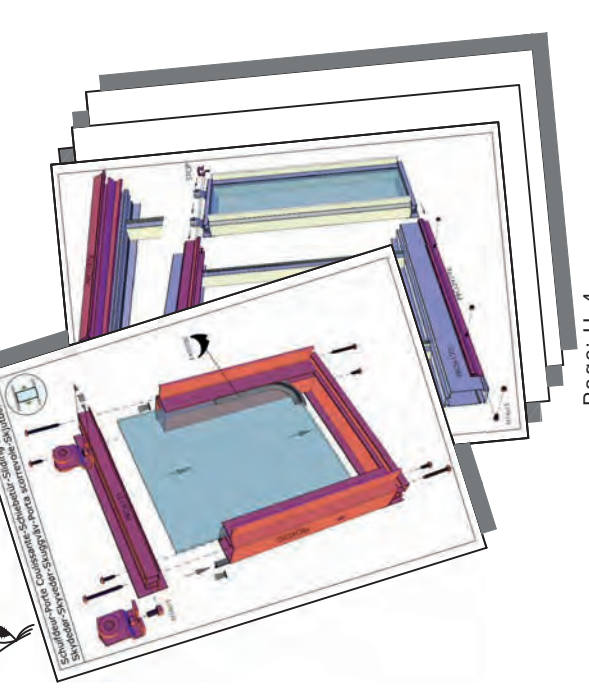
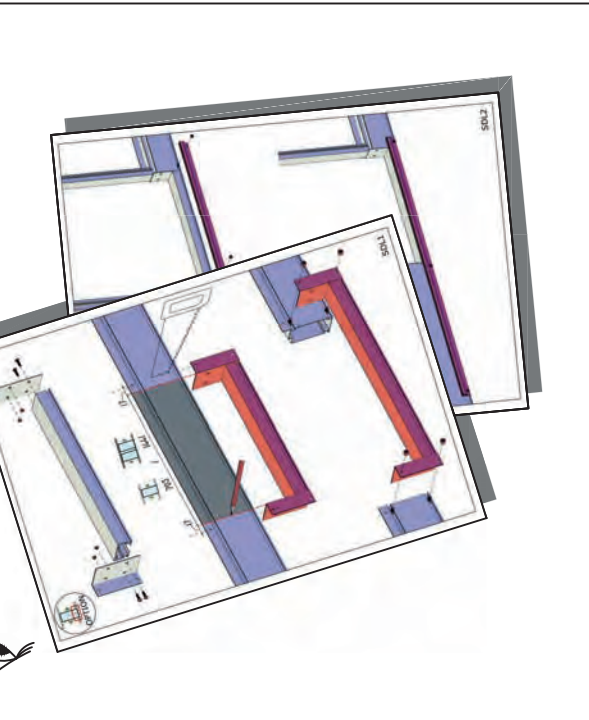
Note: When assembling the foundation in this step, only hand-tighten the nuts. The corners may need to be slightly loose to attach the corner uprights (PRO6578).



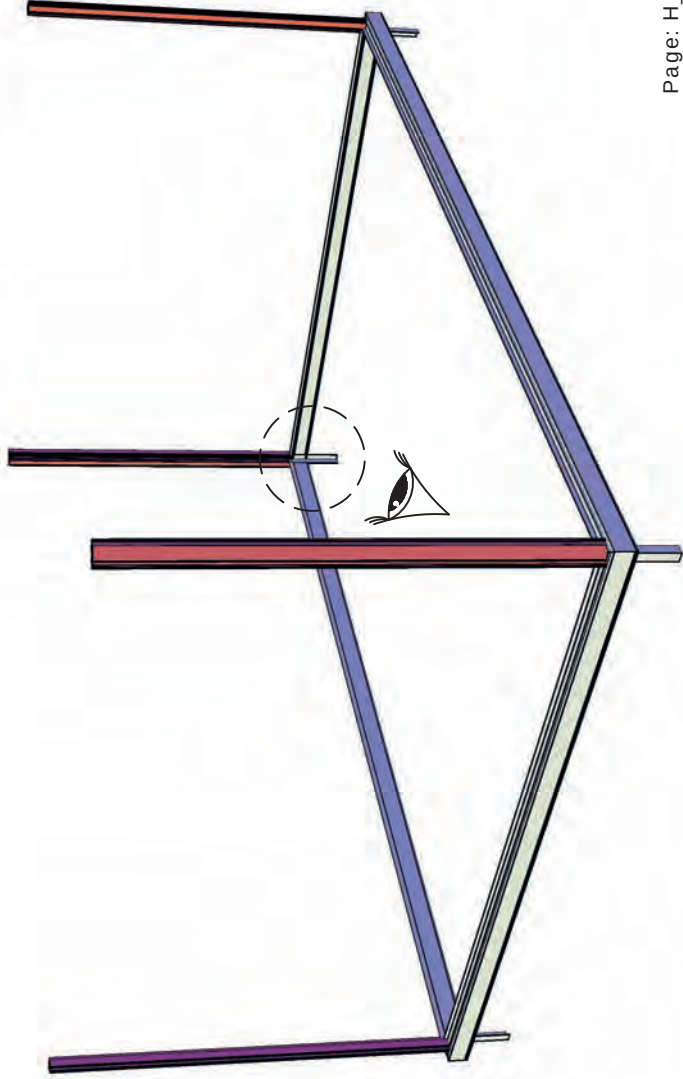
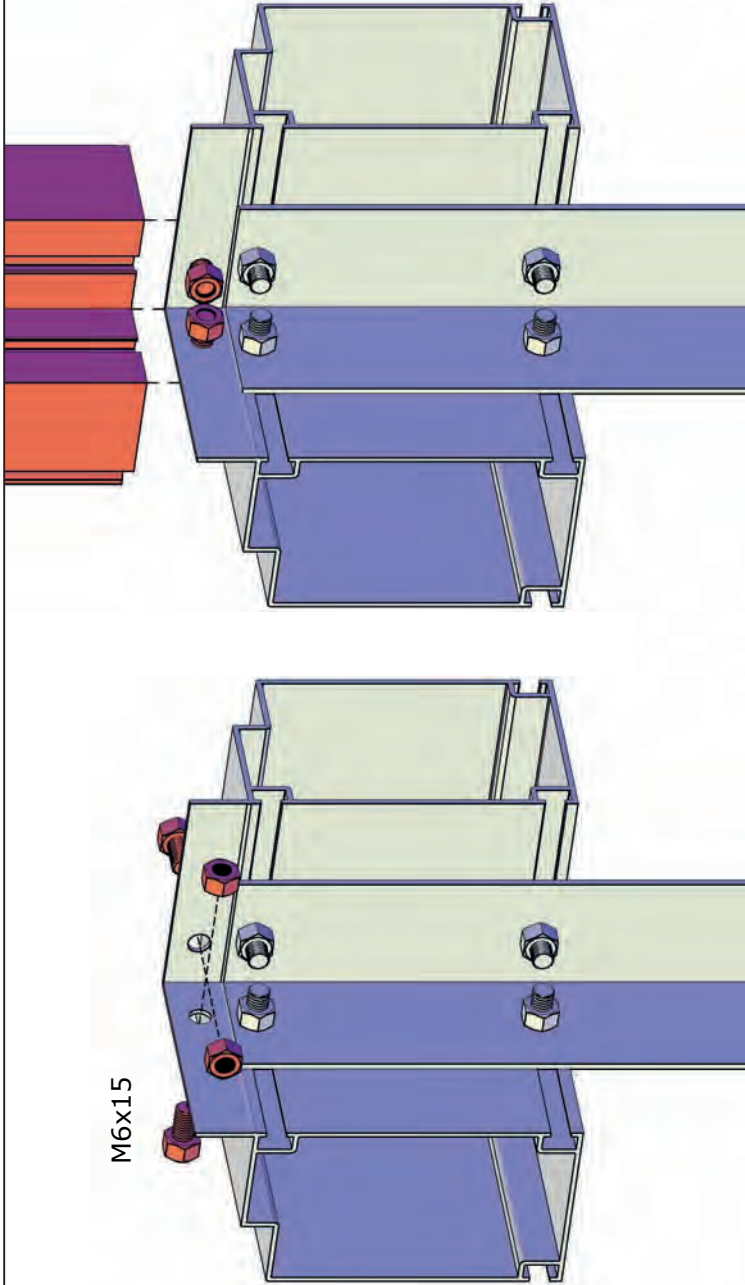
Suggestion: If installed on a concrete foundation you may cut PRO210 flush with the bottom of PRO6120. To anchor, use cut off PRO210 pieces as L-brackets to secure the PRO6120 to the concrete foundation. Please see YouTube animated assembly video for more information.

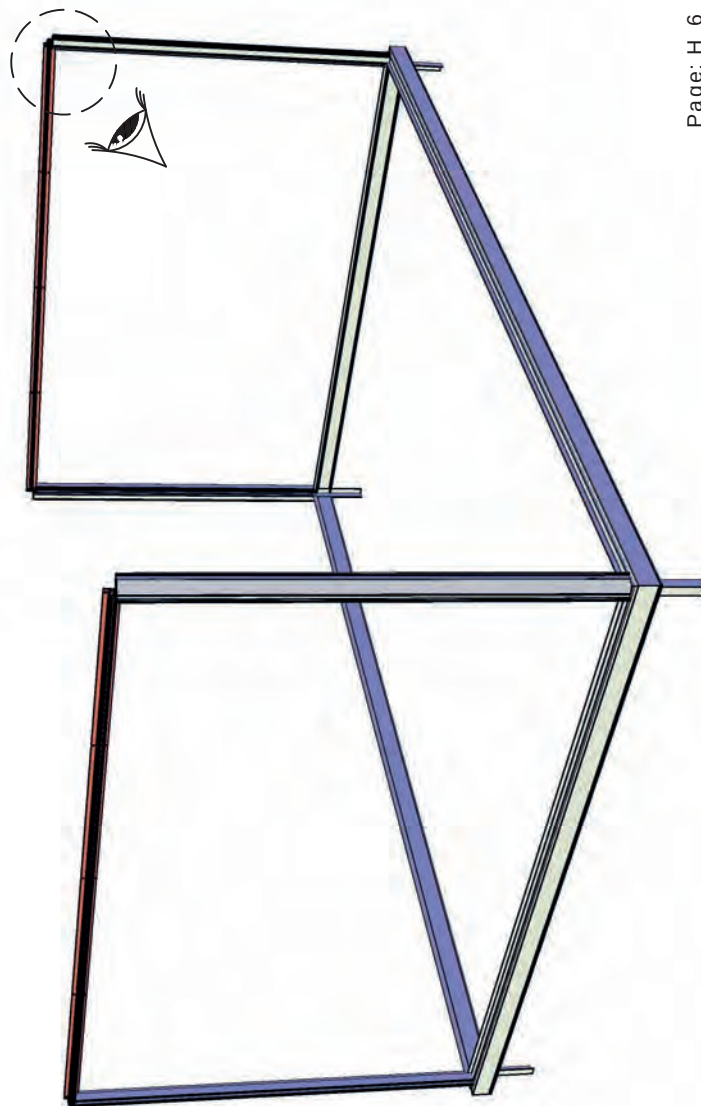
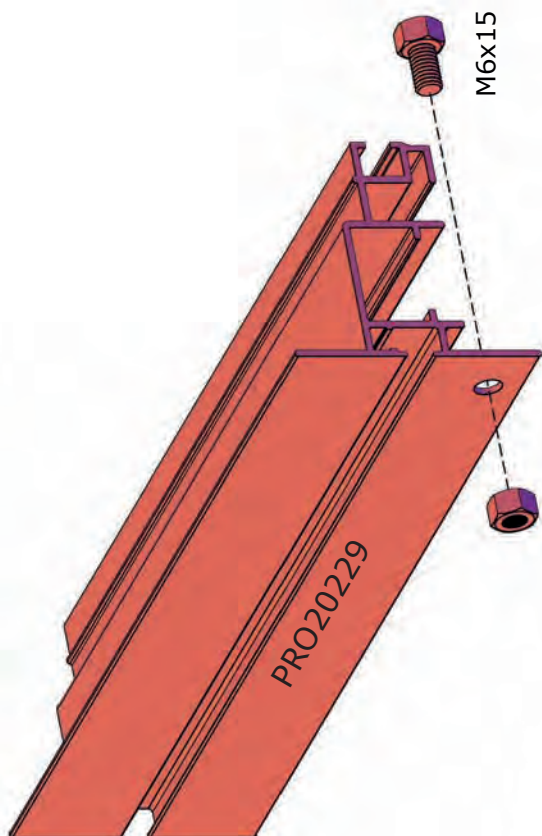
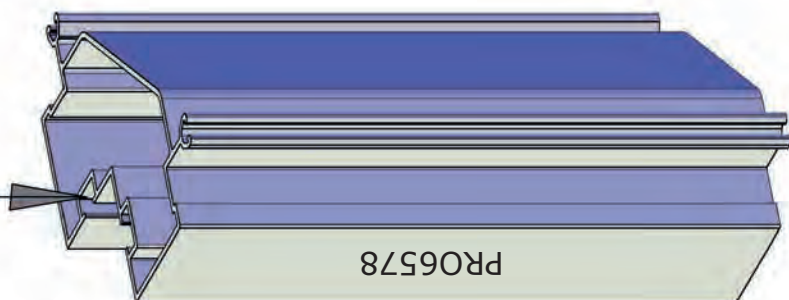
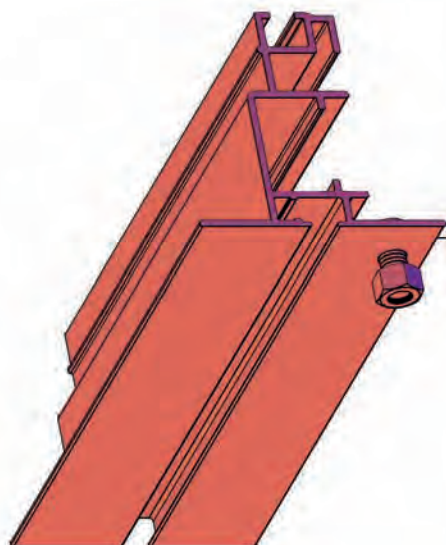
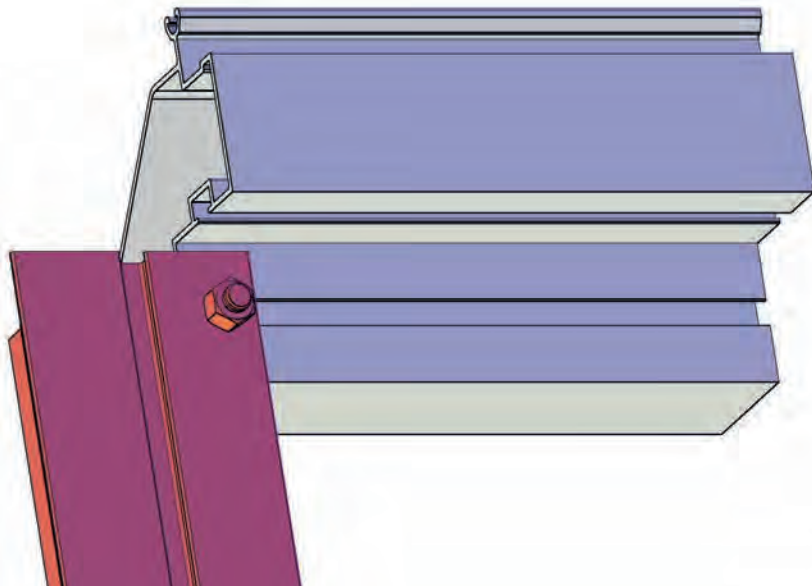
Before attaching, insert 3 M6x15 bolts as shown for the sliding door guide.



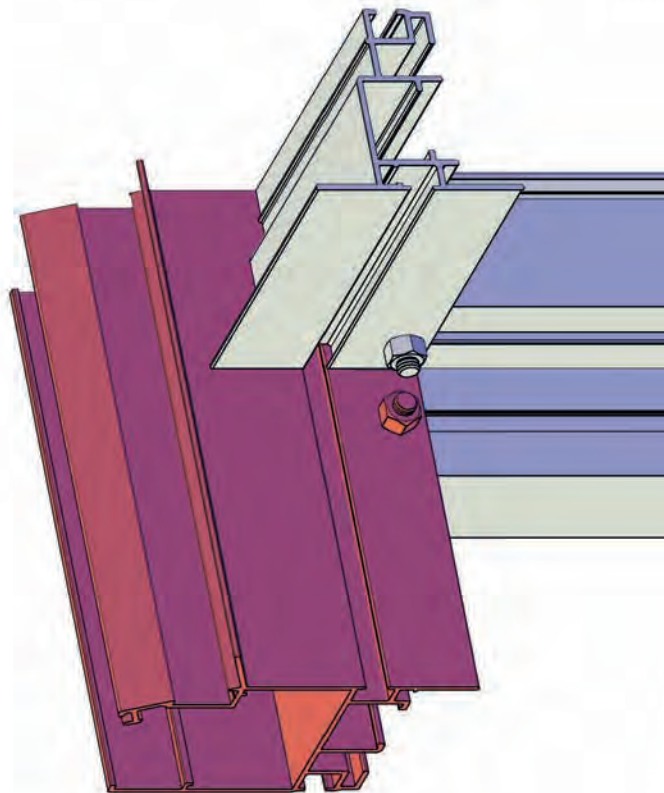
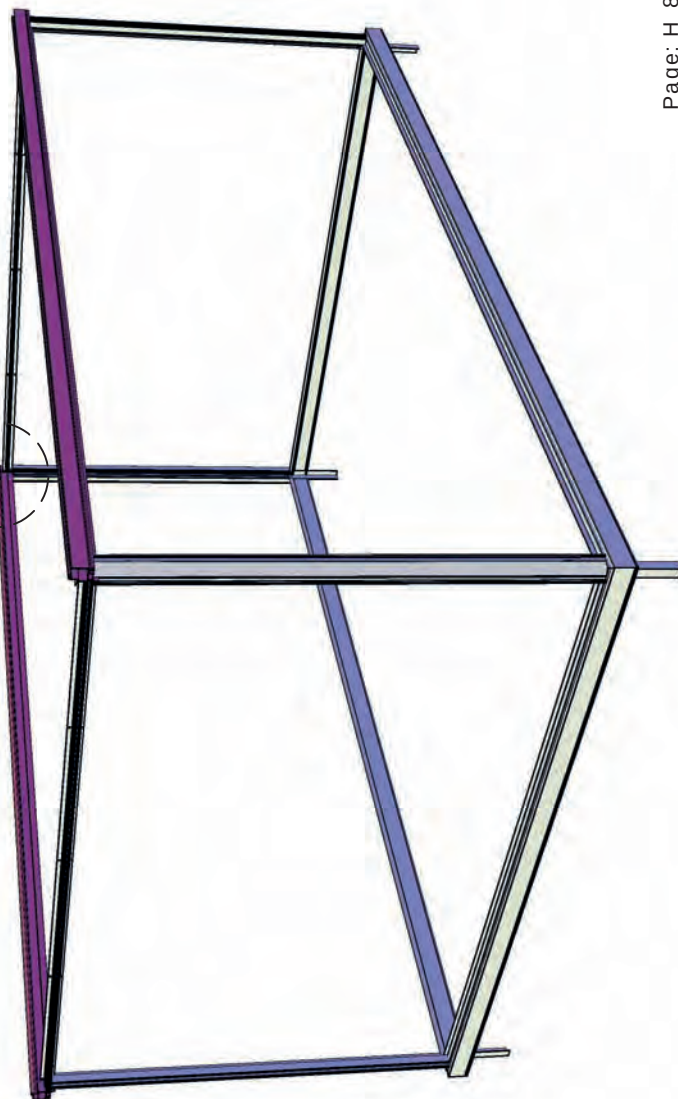
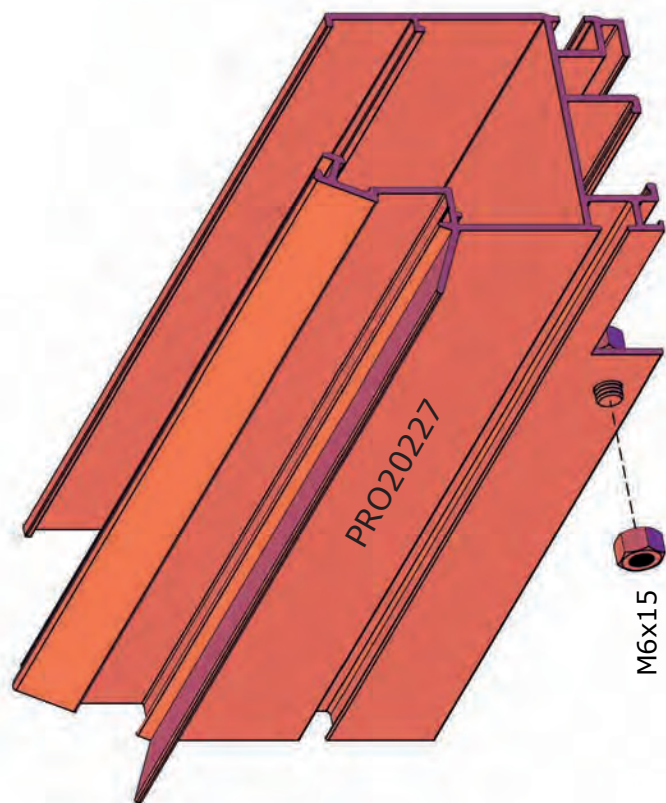
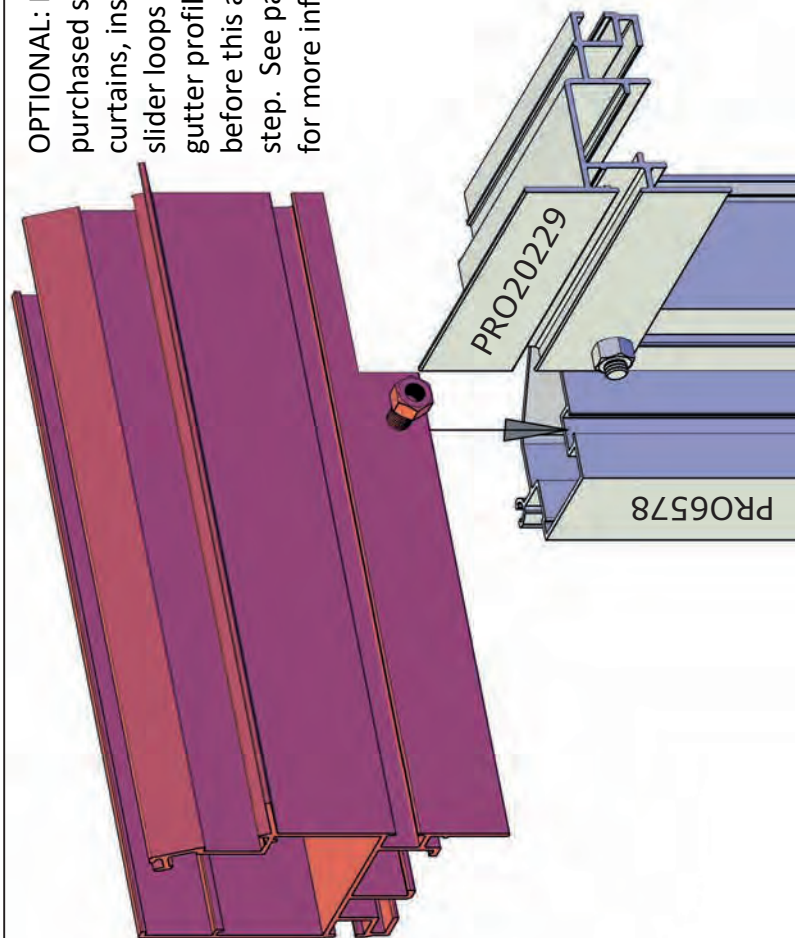
Upgrade OPTION: HINGED DOOR		Standard OPTION:SLIDING DOOR  Note: Insert bolts now	Upgrade OPTION for Sliding Door: LOW THRESHOLD 	See pages H_52 (HD1 -HD10) for instructions 	See pages H_35 (H_34-36) for instructions 	See pages H_37 (SDL1-2) for instructions 
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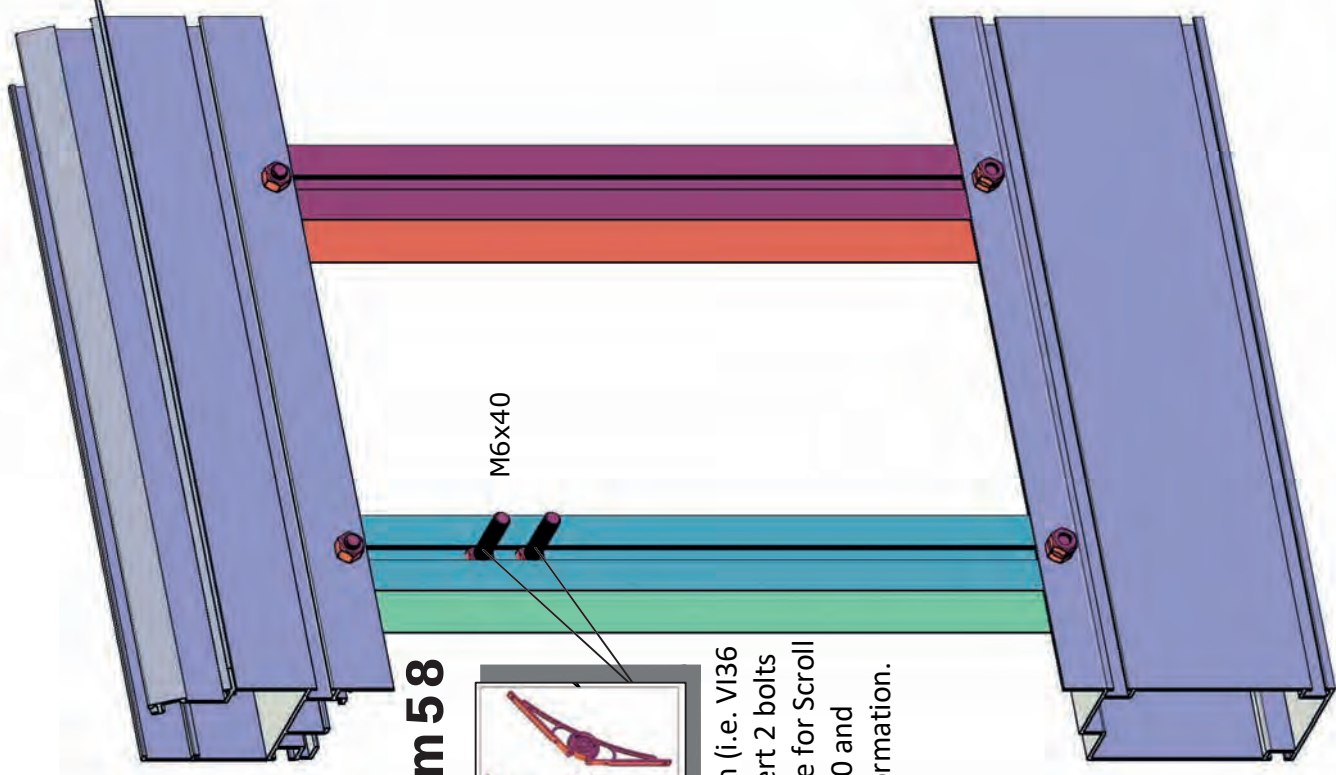
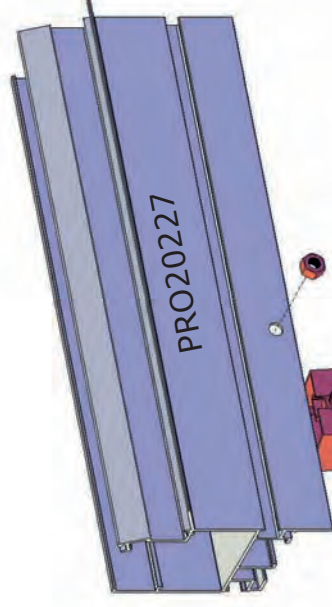
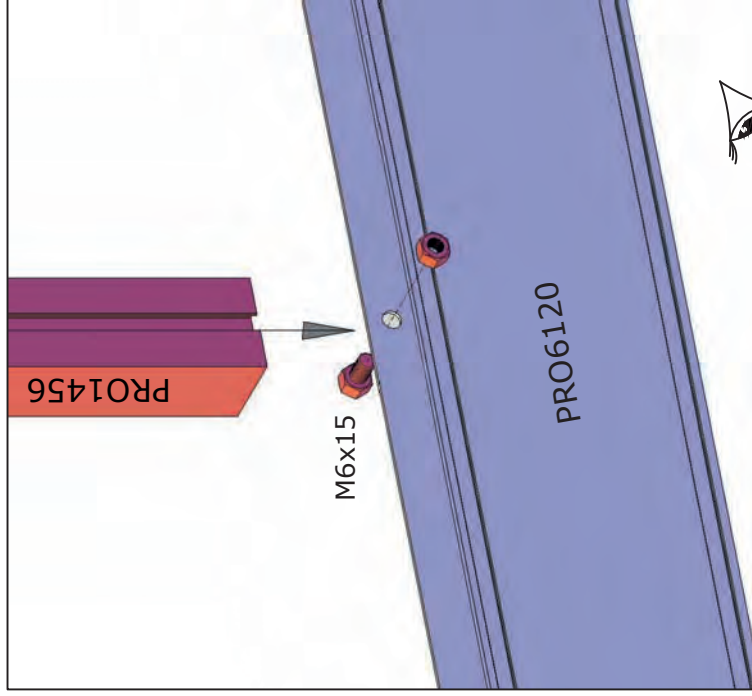
Optional: Insert a bolt into each corner post channel for where the top shelf and/or Seed Tray will be located. See page H_62 and H_63 for location information.



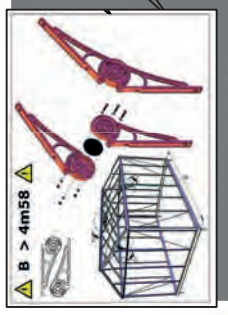


OPTIONAL: If you purchased shade curtains, insert the slider loops into the gutter profile channel before this assembly step. See page H_64 for more information.

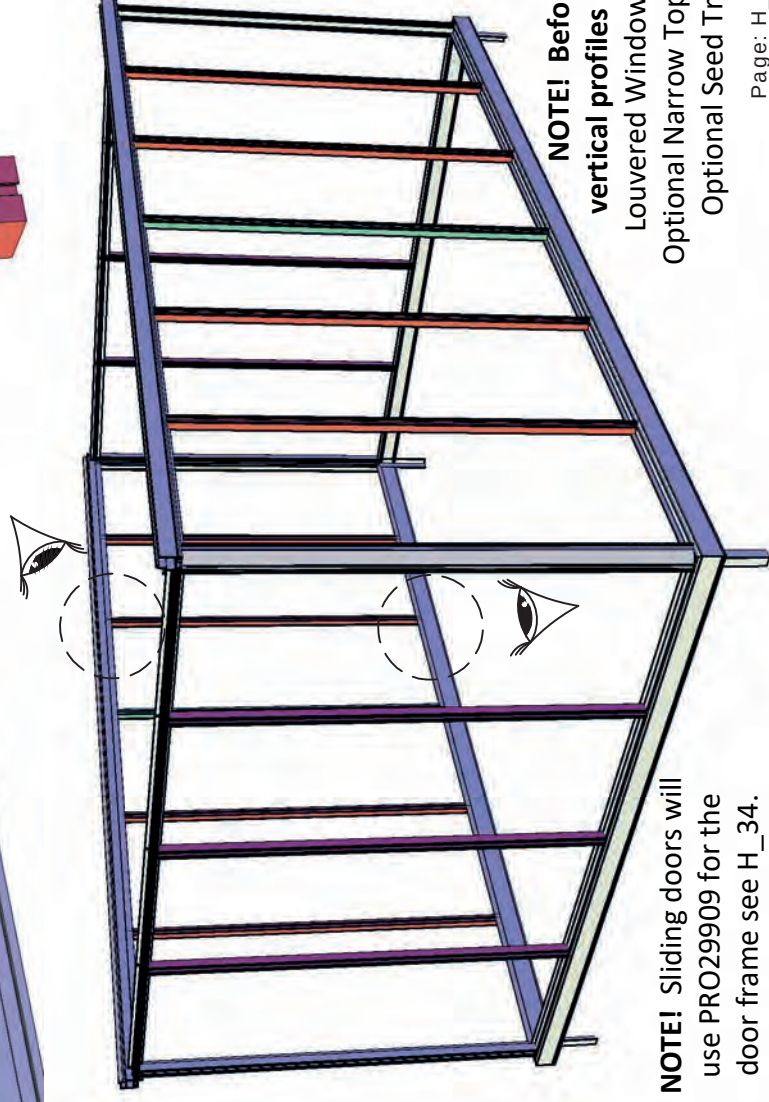




B > 4m58

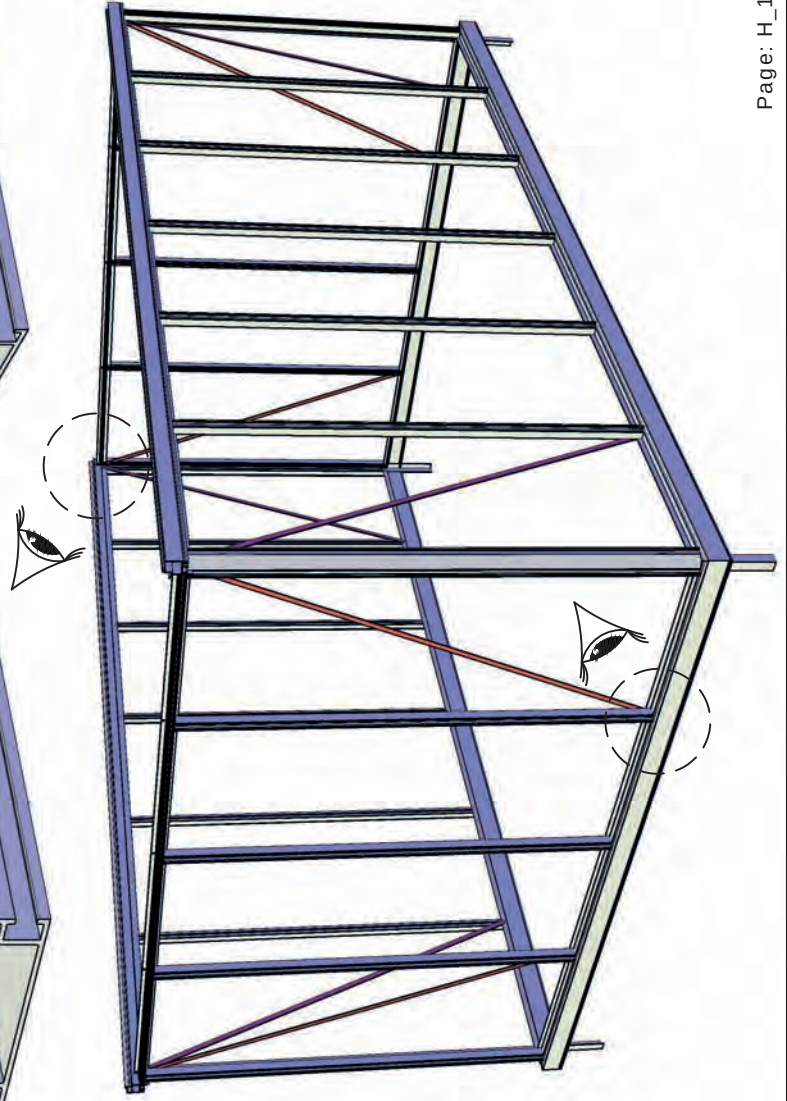
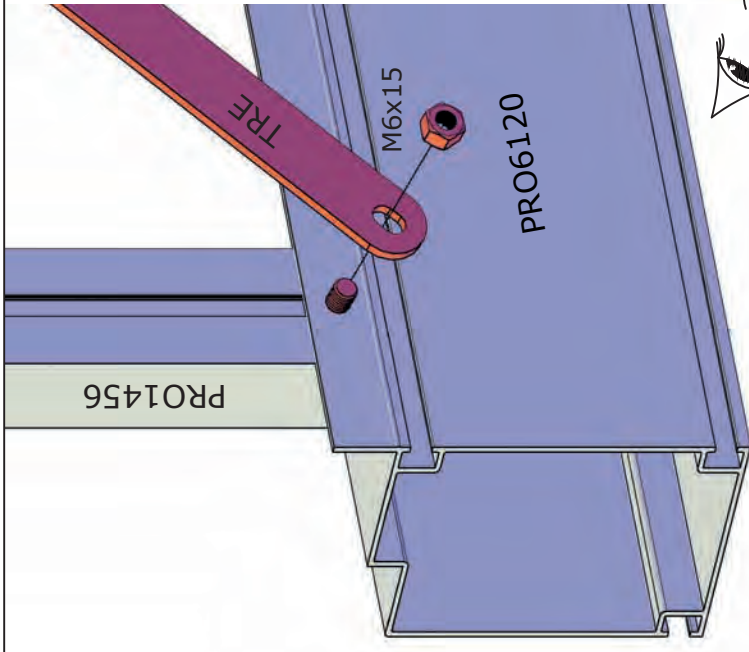
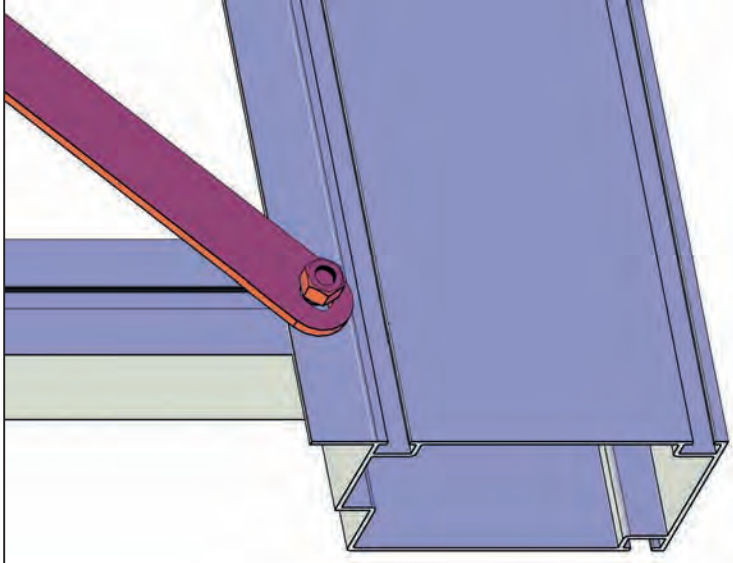
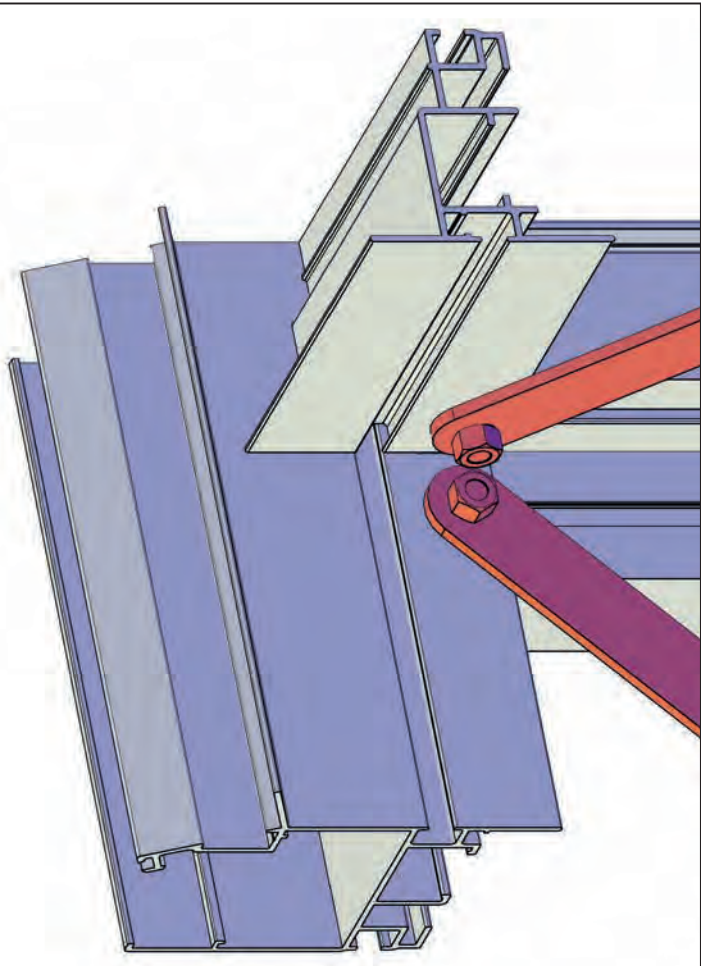
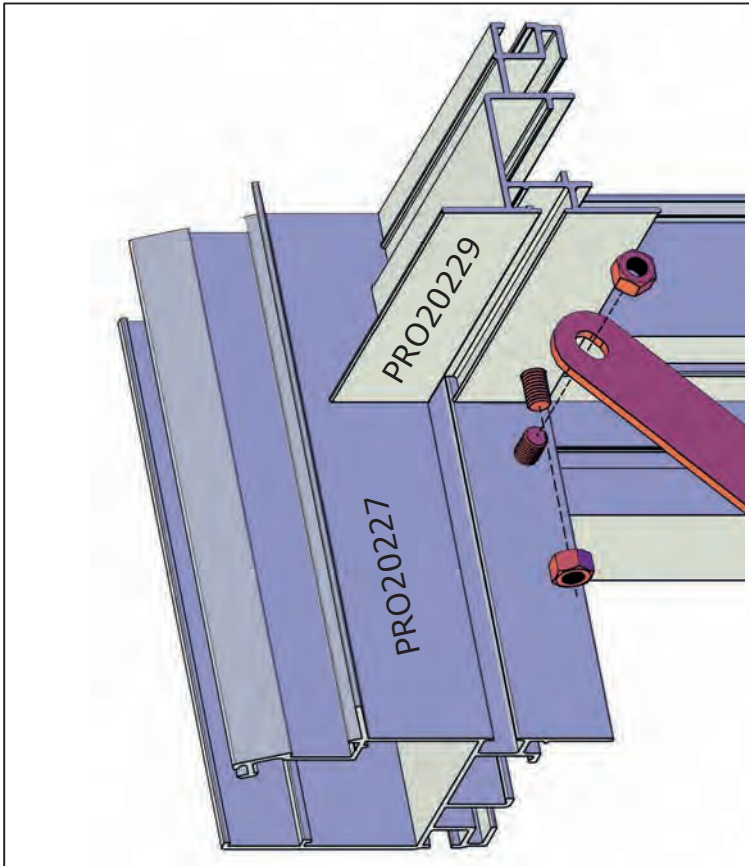


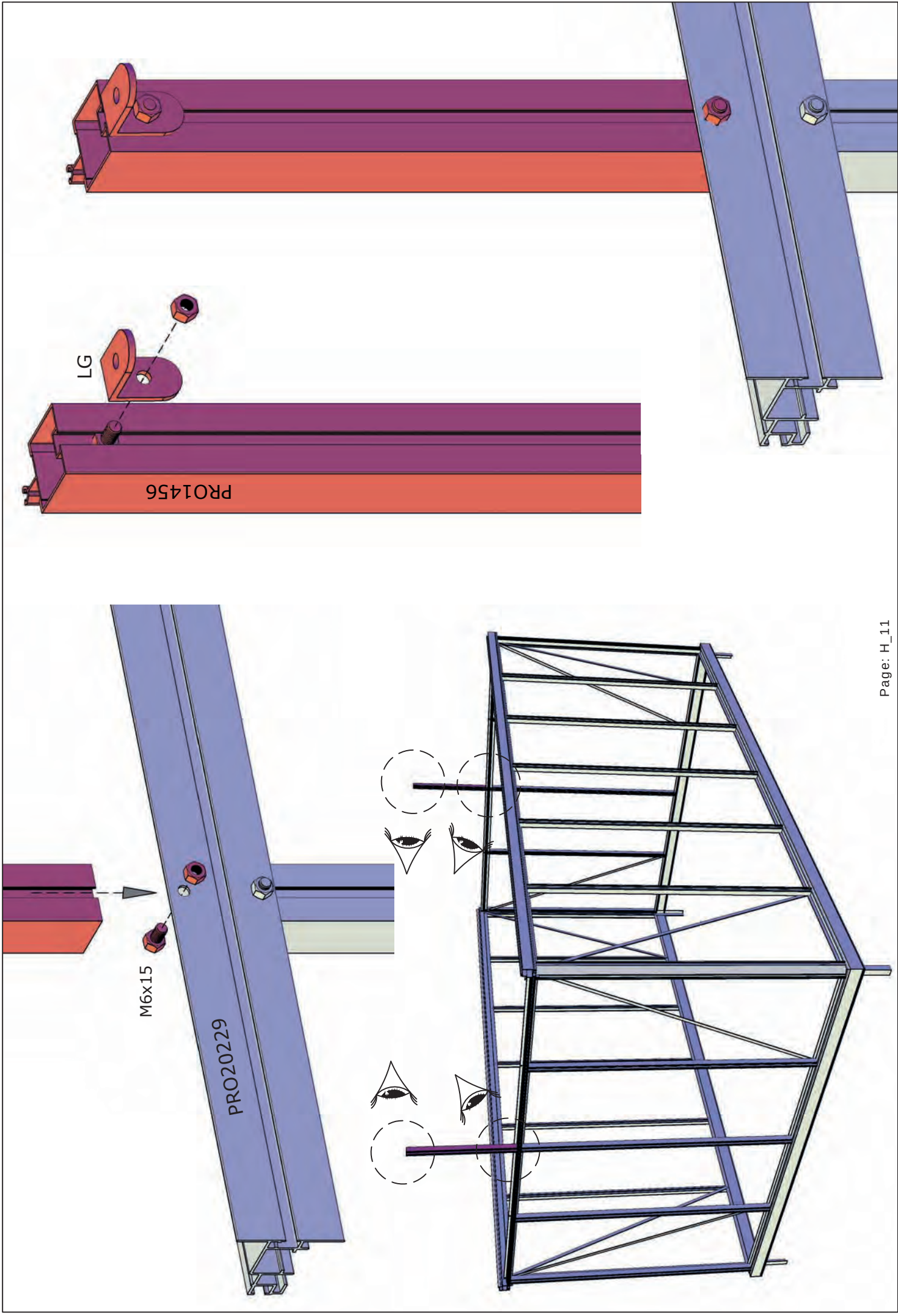
If length > 4580mm (i.e. V136 and V146) then insert 2 bolts in the center profile for Scroll Supports - see H_20 and H_21 for more information.

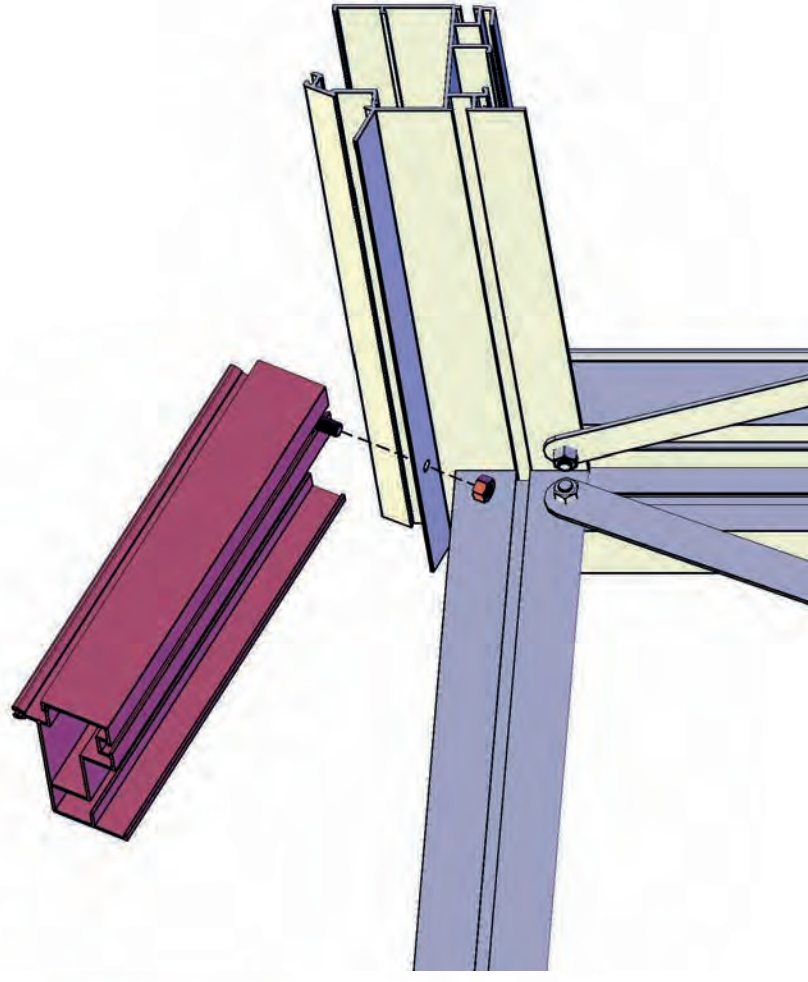
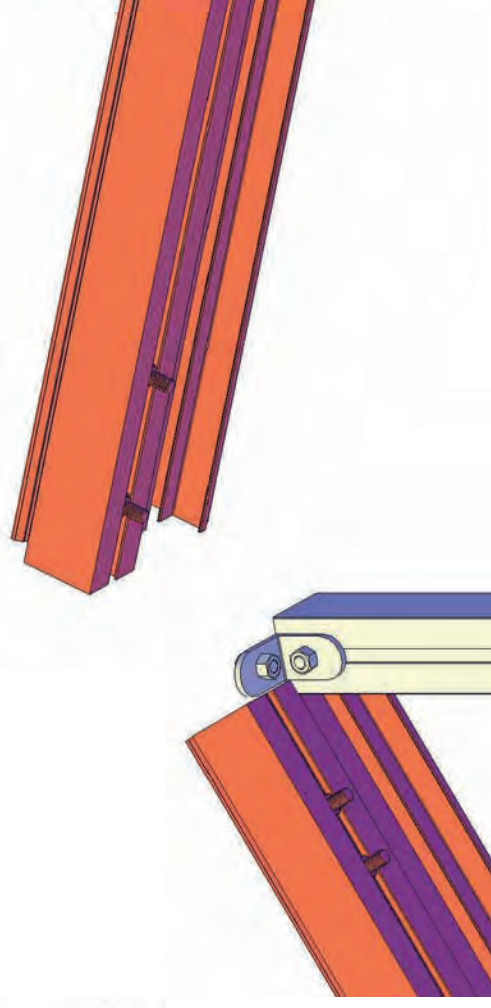
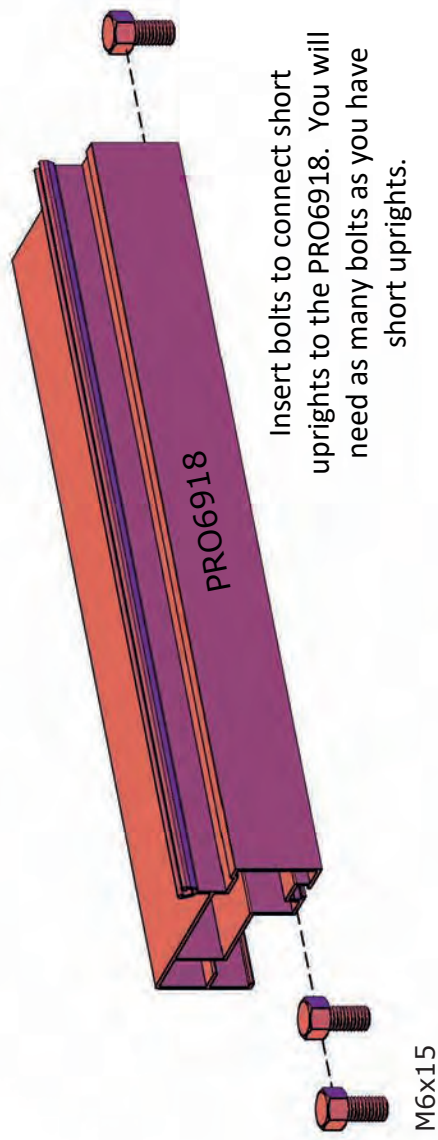


NOTE! Before securing vertical profiles insert bolts for:
 Louvered Window, see p. H_44-46
 Optional Narrow Top Shelf, see p. H_62
 Optional Seed Tray, see p. H_63

NOTE! Sliding doors will use PRO29909 for the door frame see H_34.

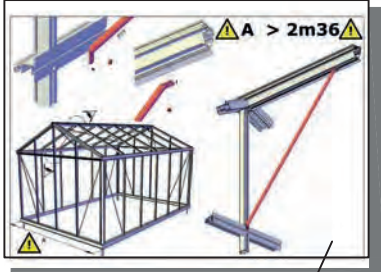




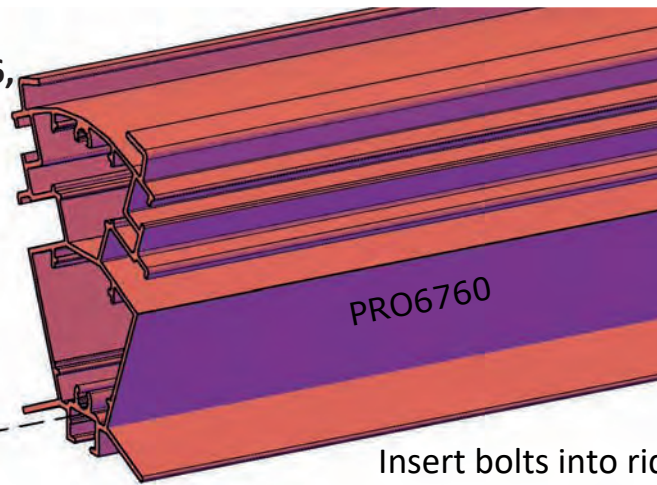
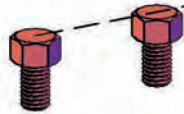




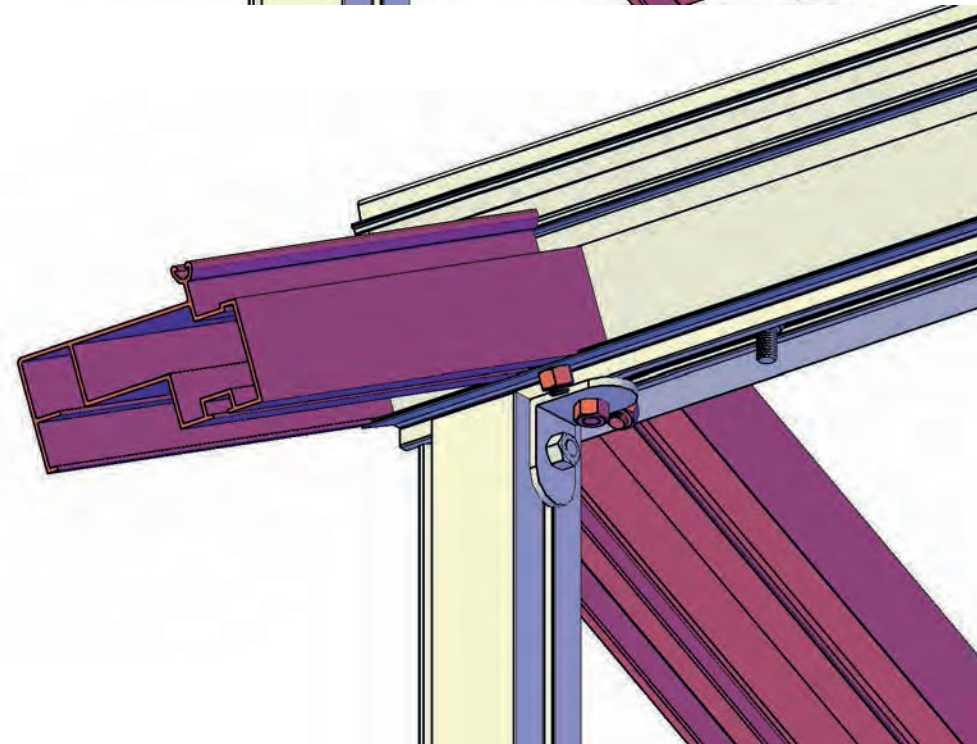
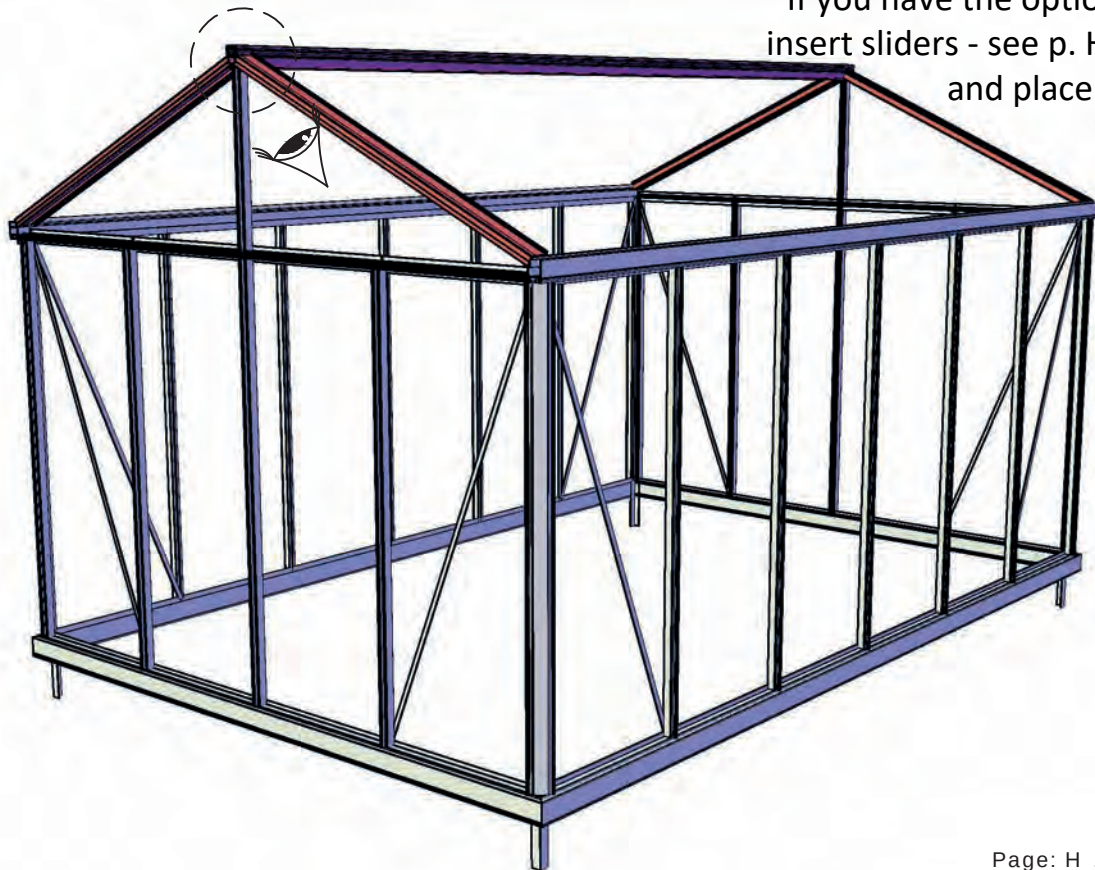
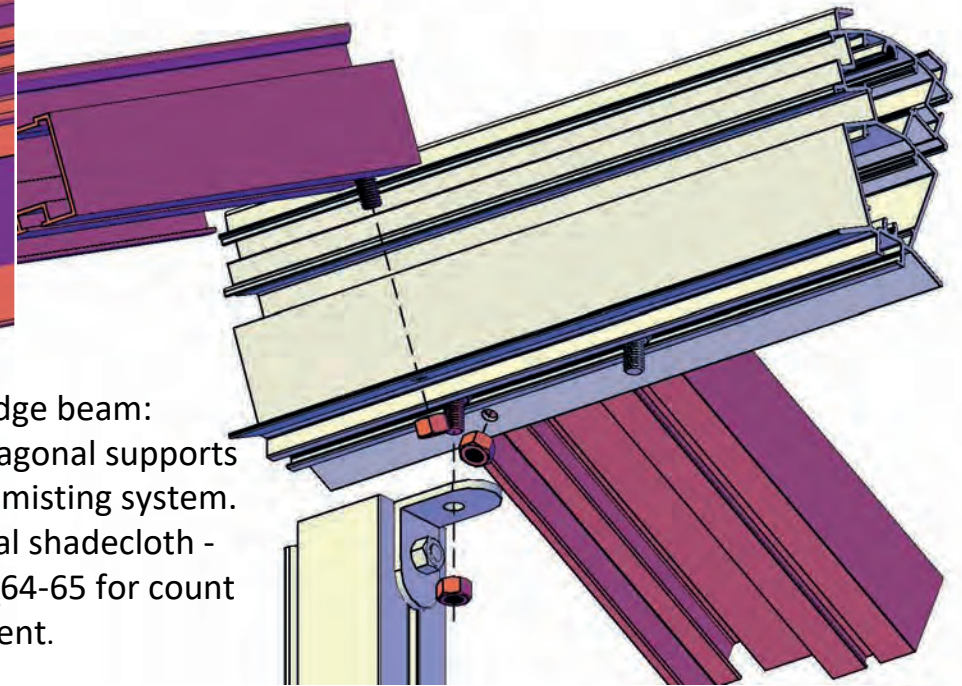
Only for models over
2360mm (i.e. VI34, 36,
46) See p. H_17

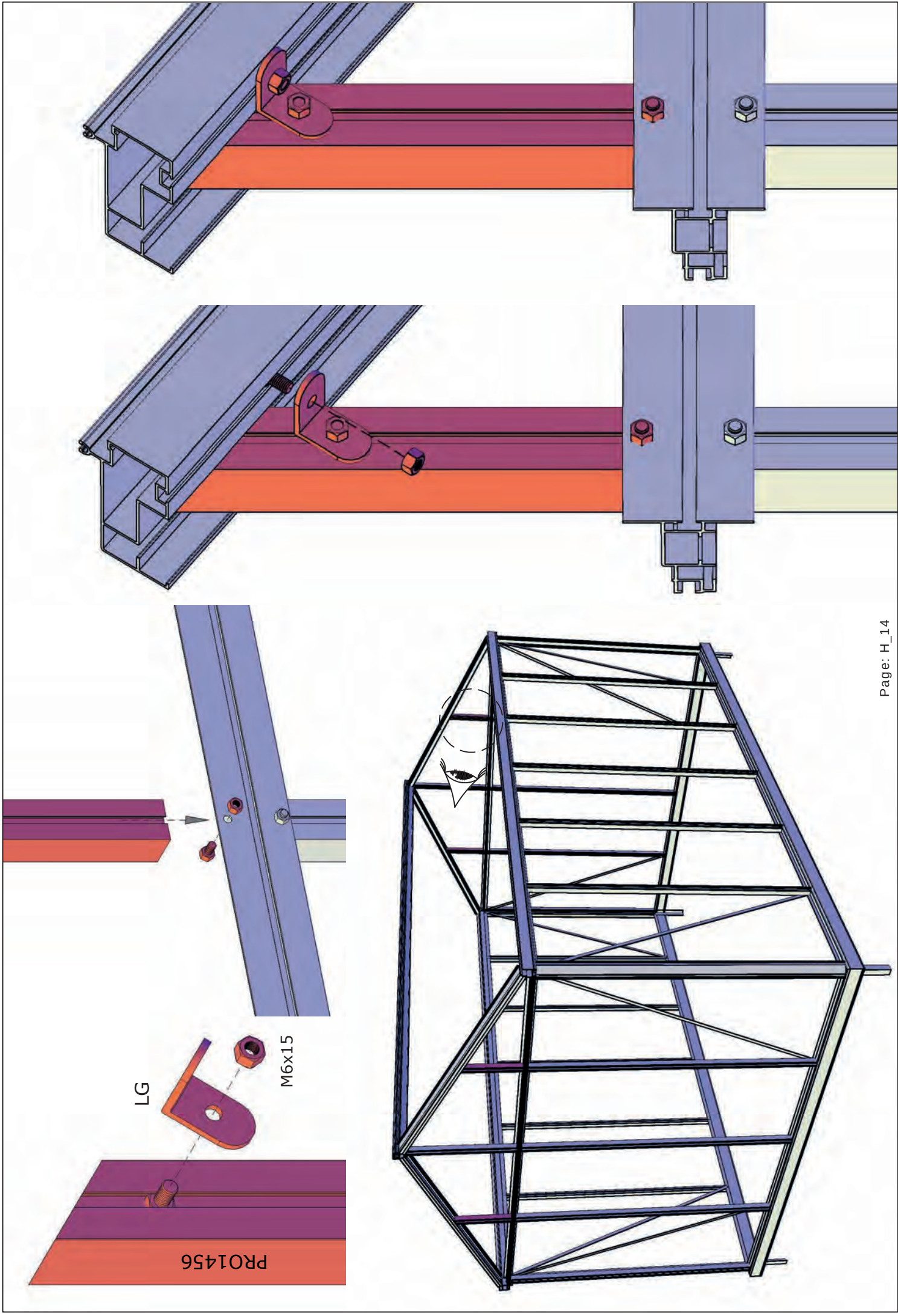


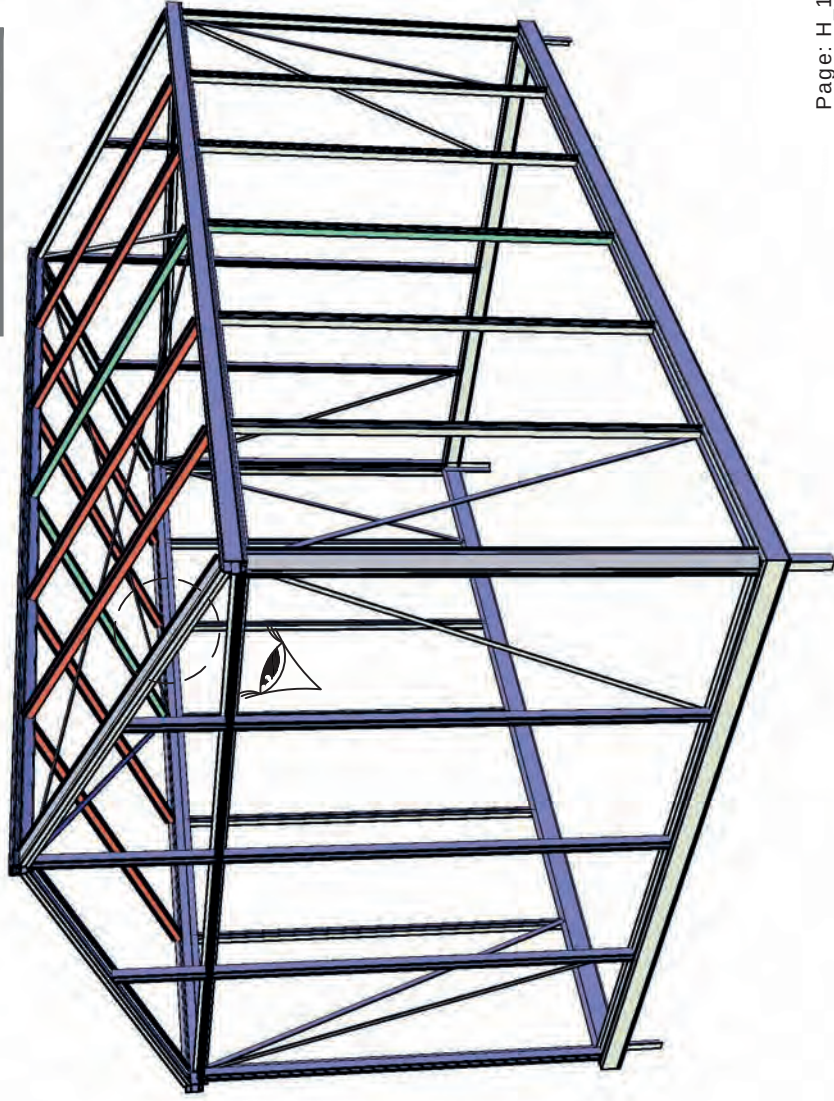
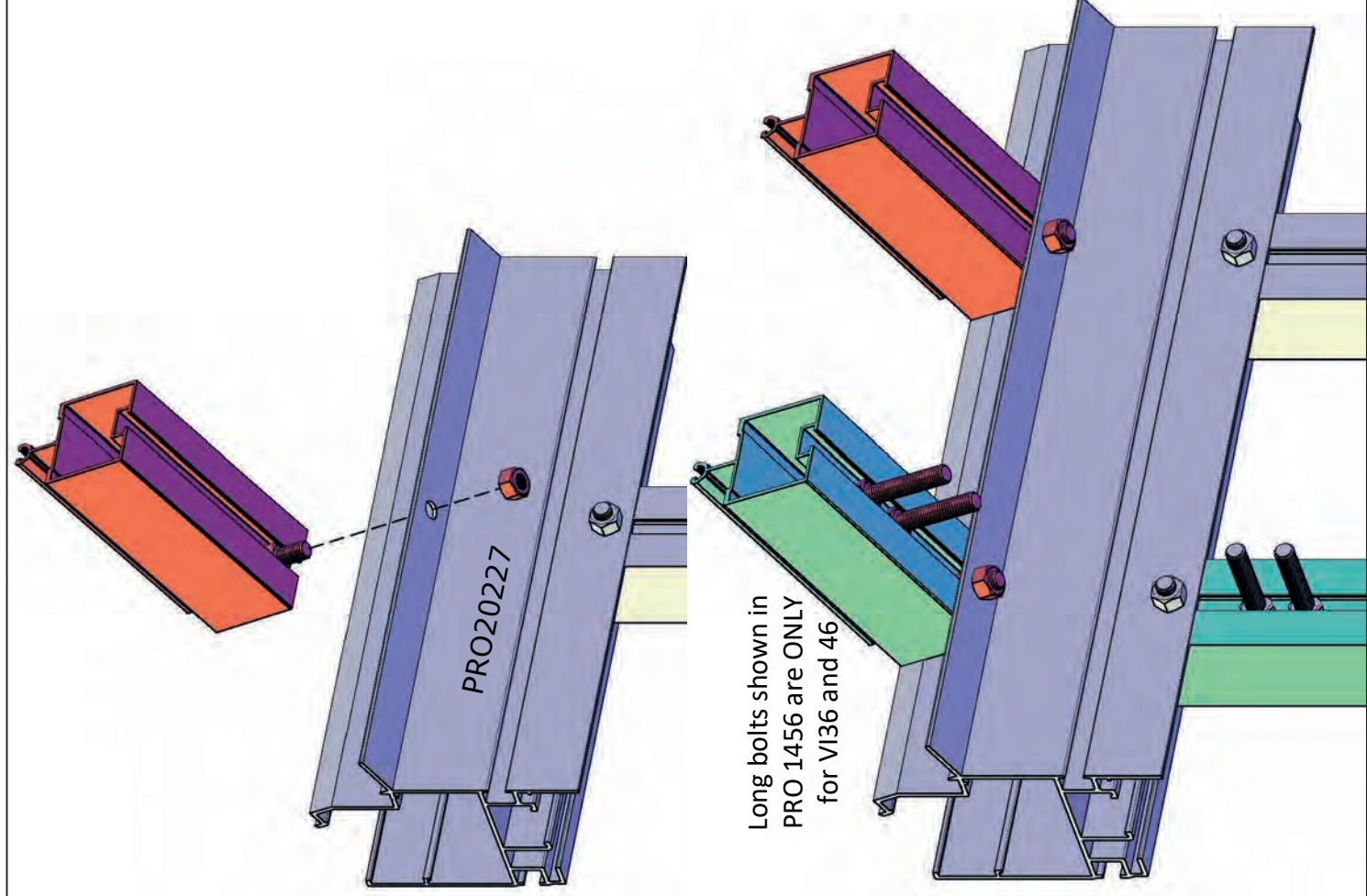
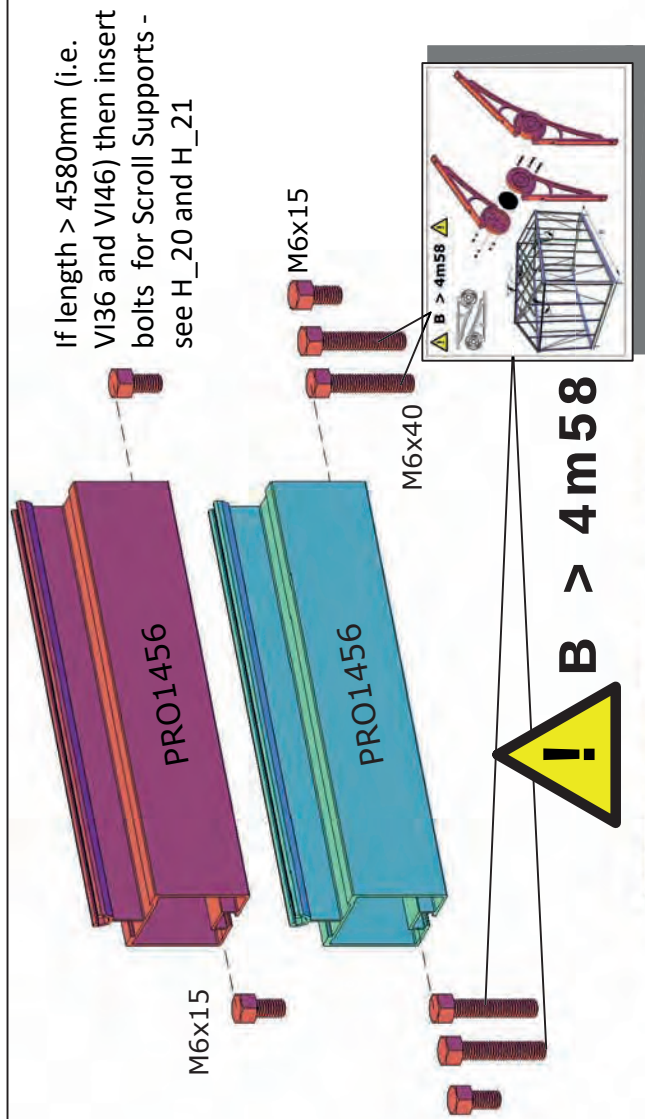
M6x15

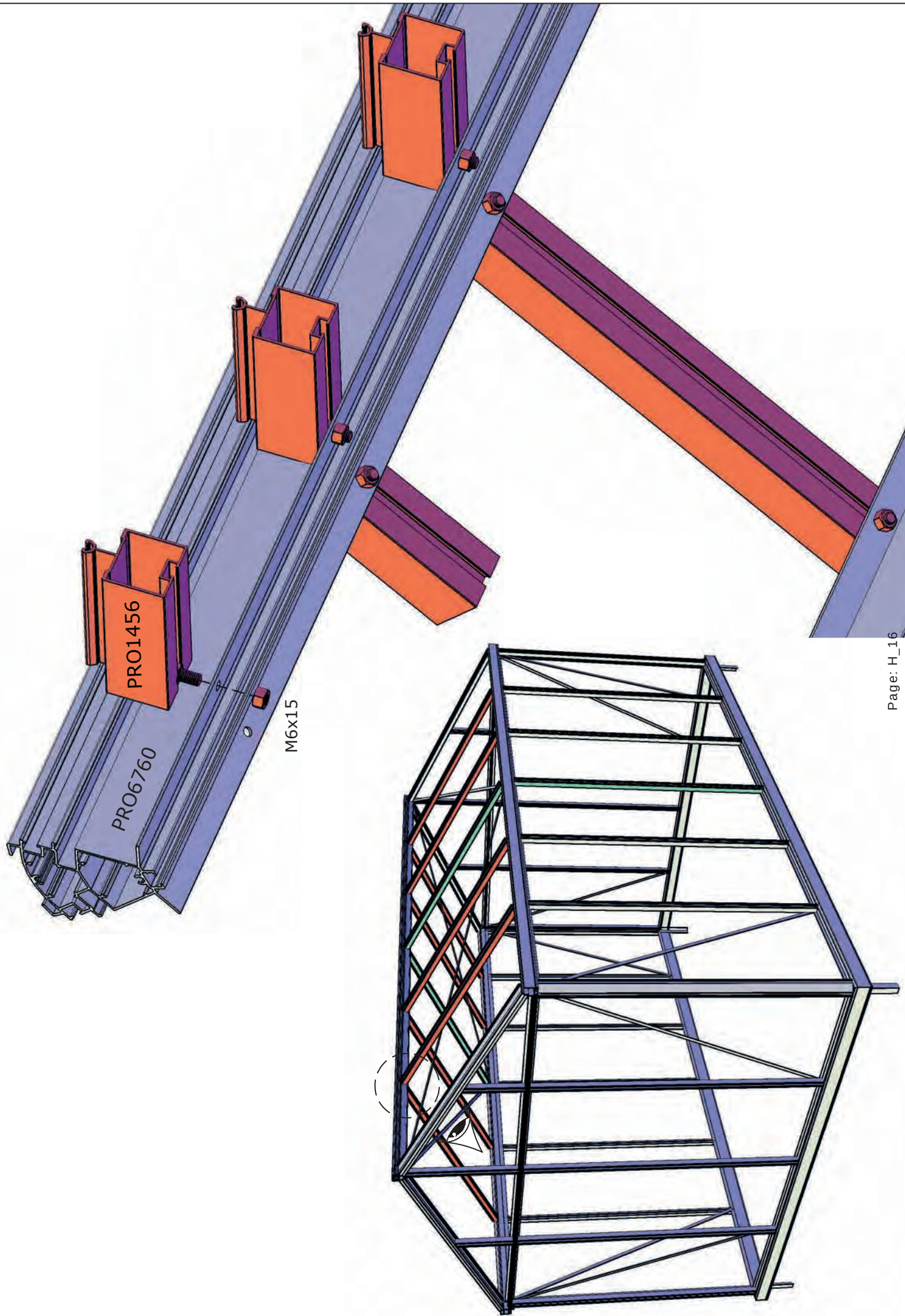


Insert bolts into ridge beam:
2 for L brackets, 2 for diagonal supports
(except VI23), and 3 for misting system.
If you have the optional shade cloth -
insert sliders - see p. H_64-65 for count
and placement.



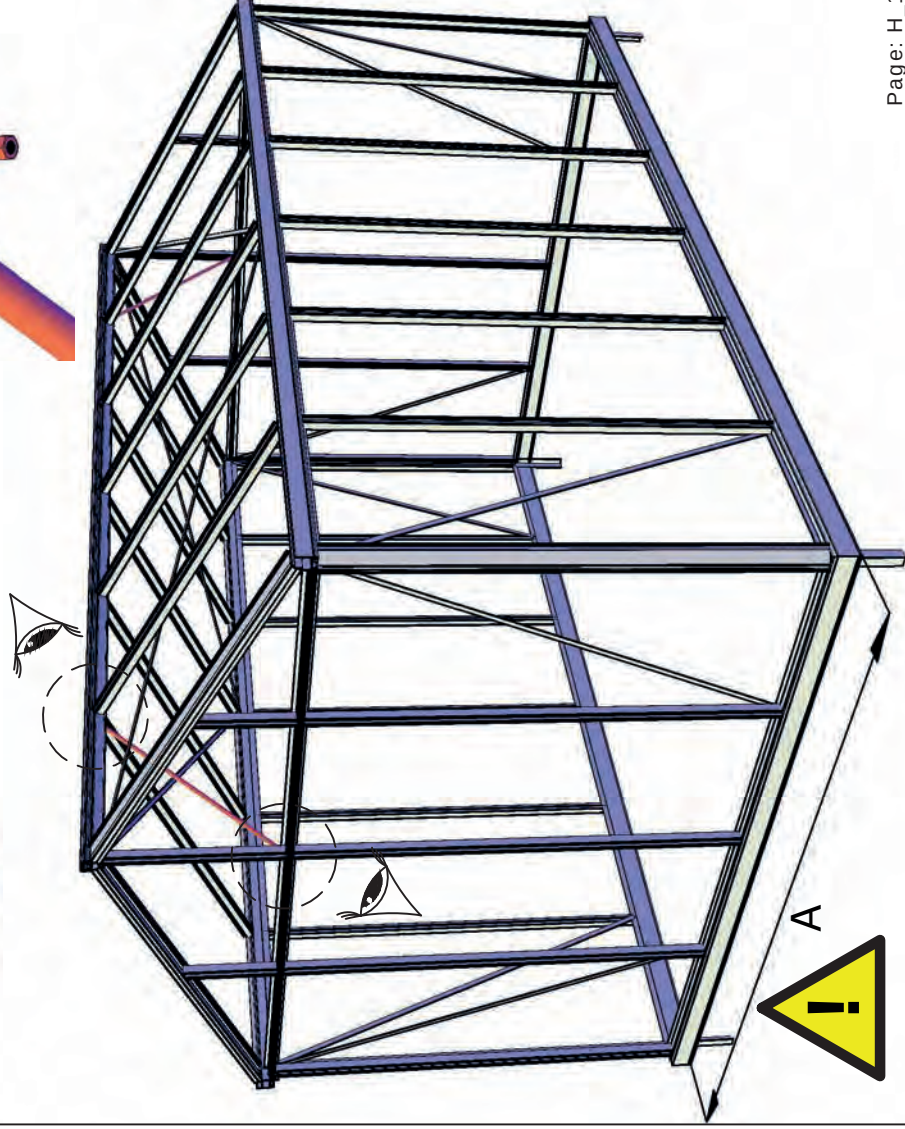
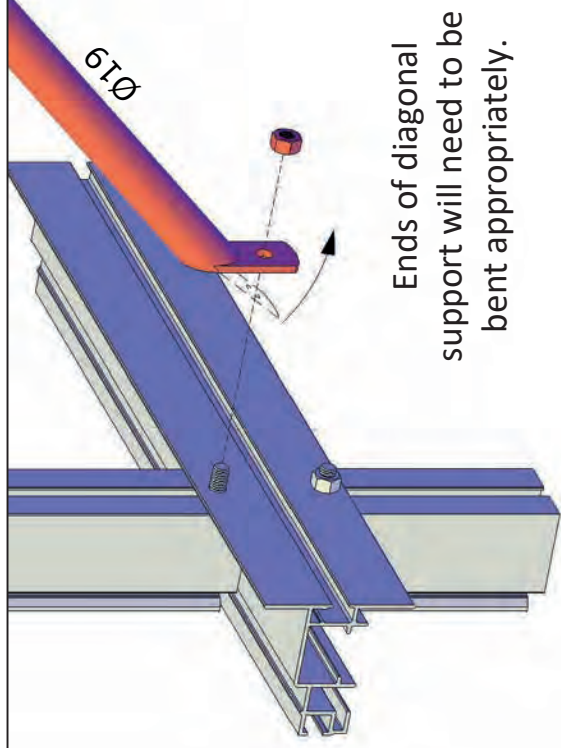
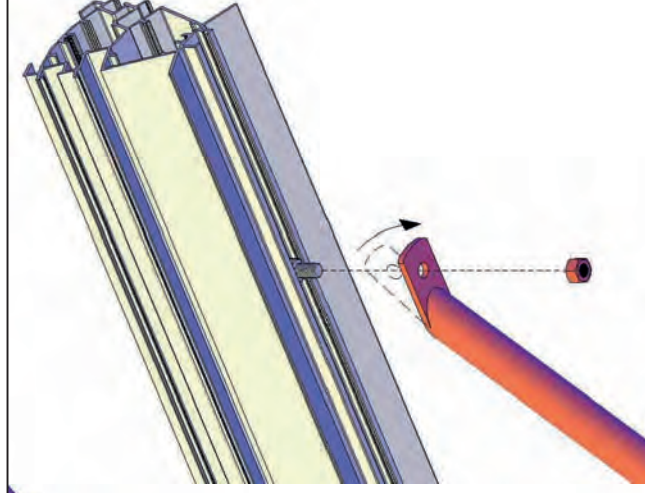




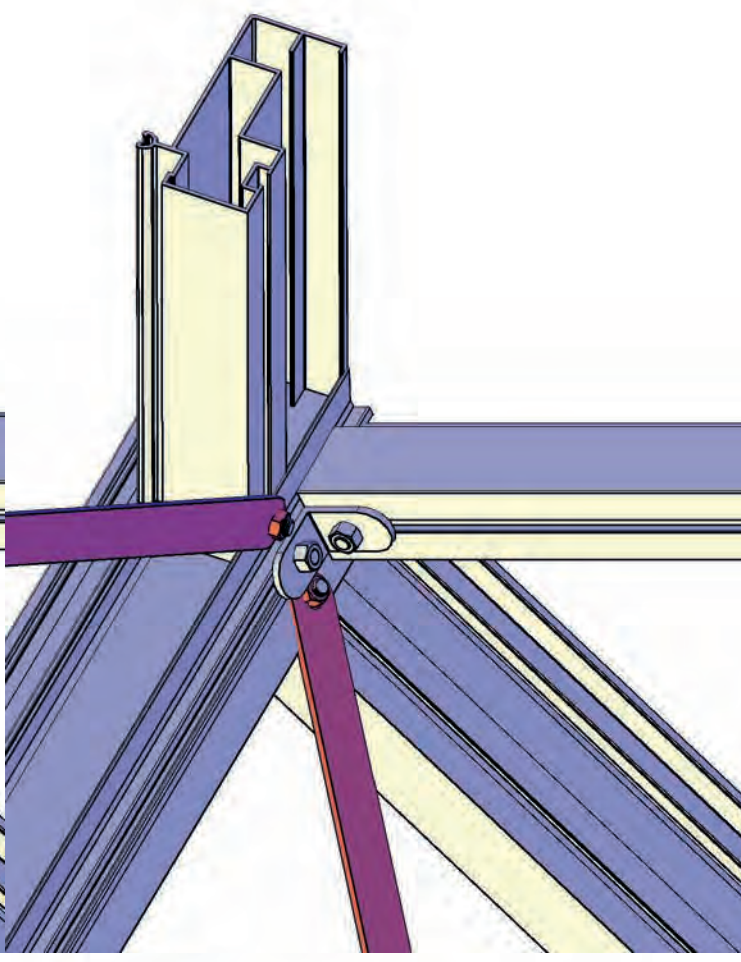
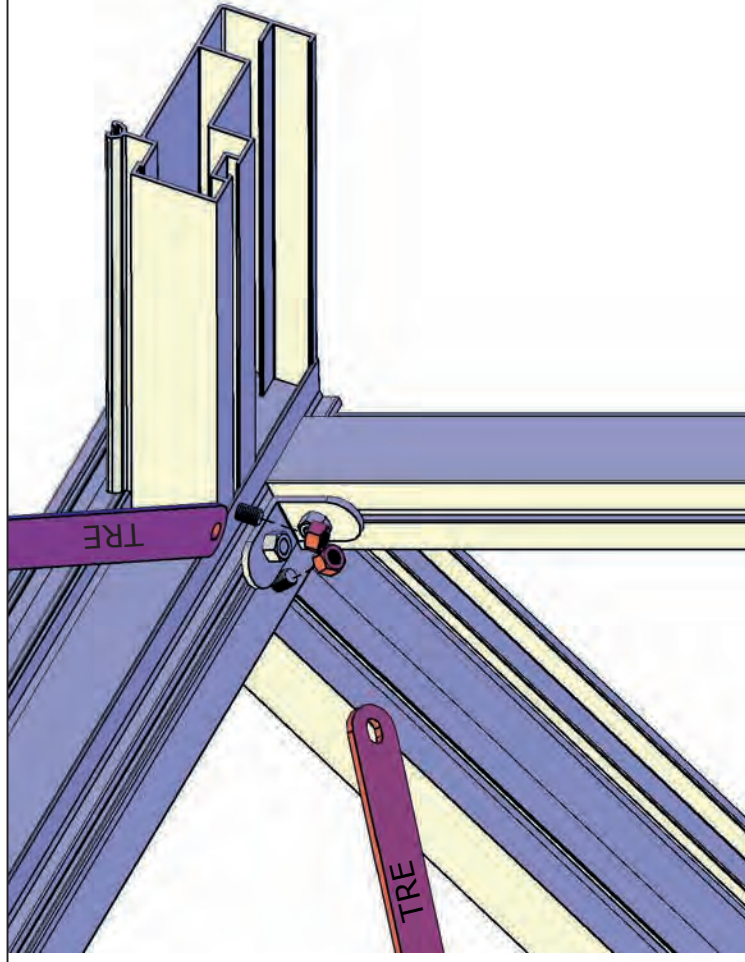
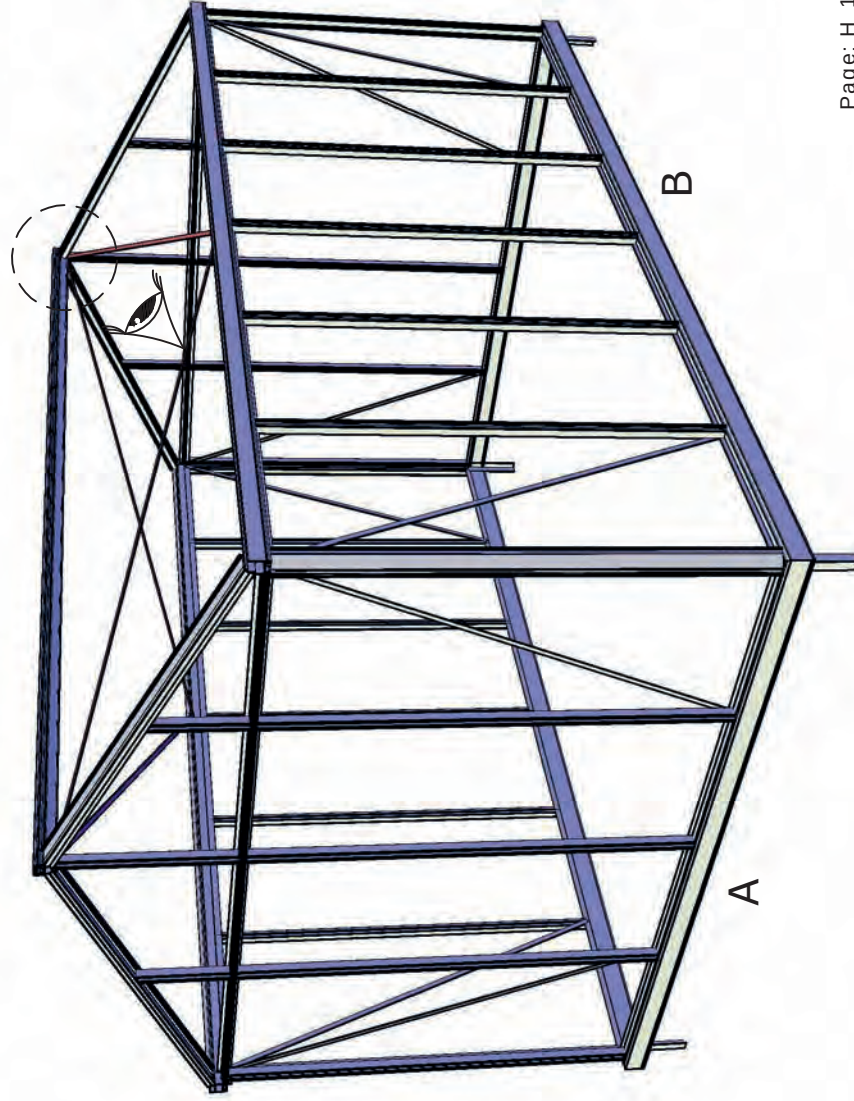
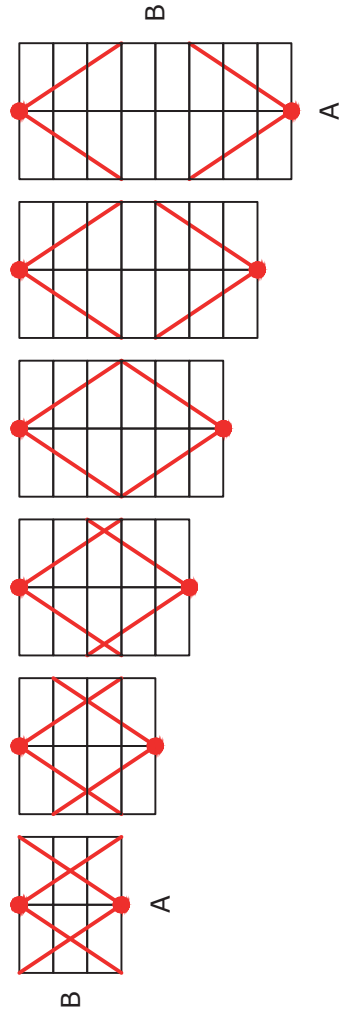


! A > 2m36 !

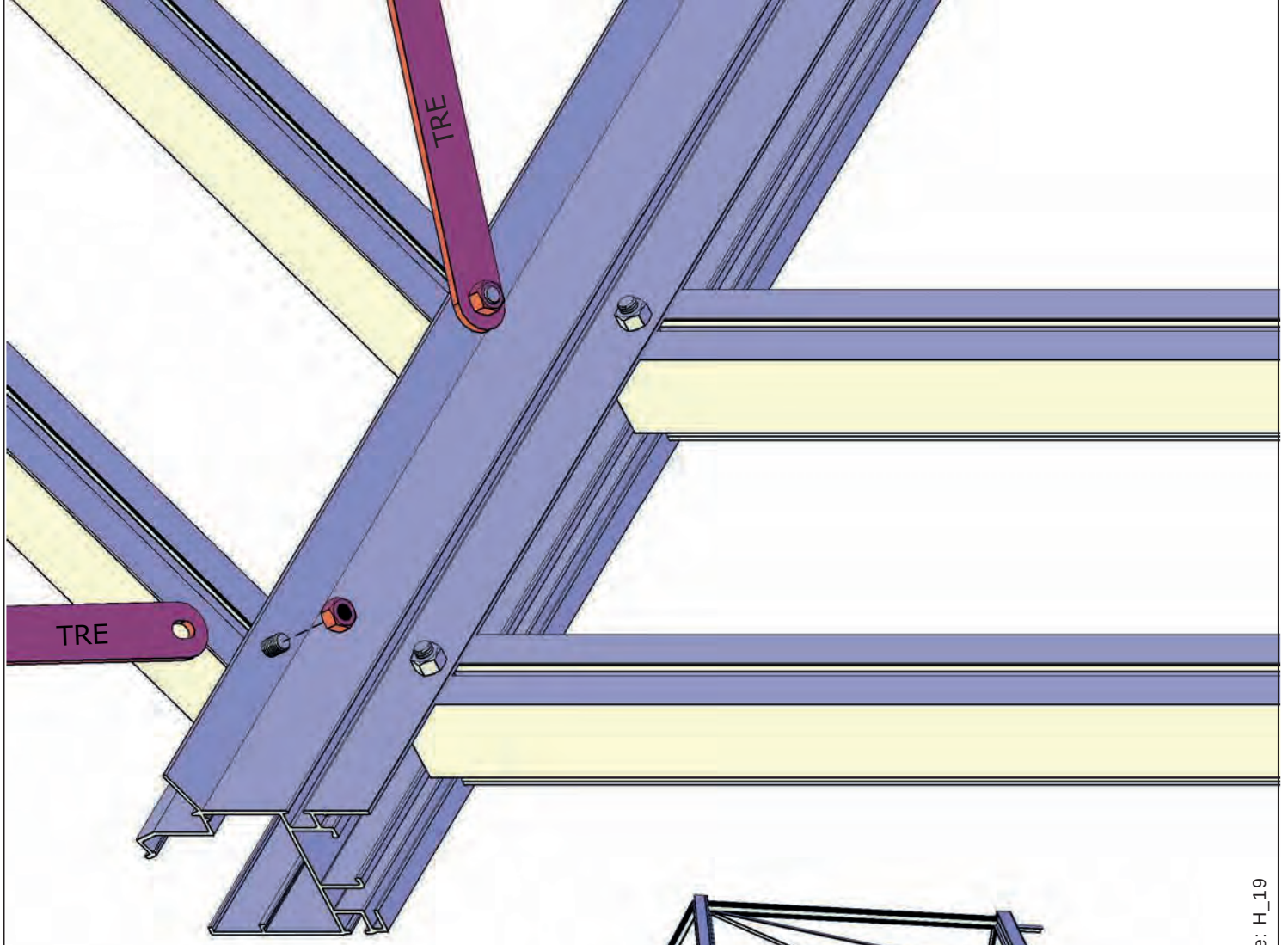
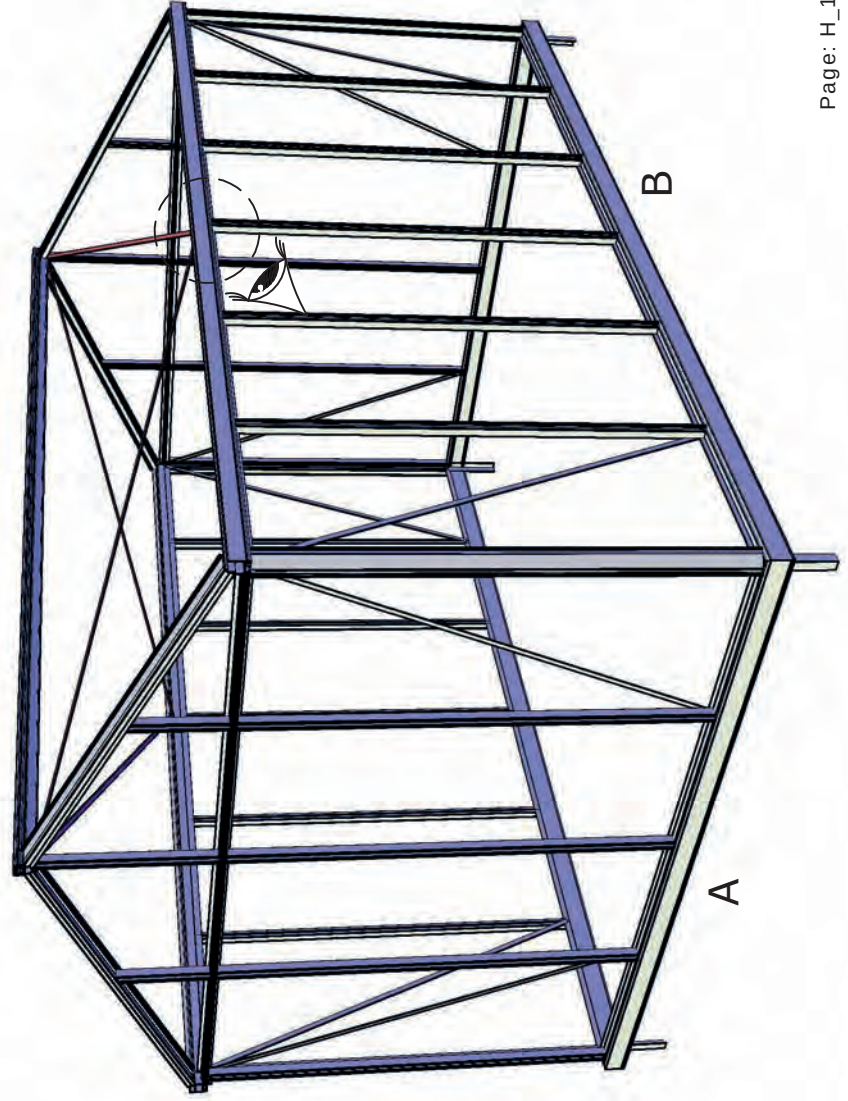
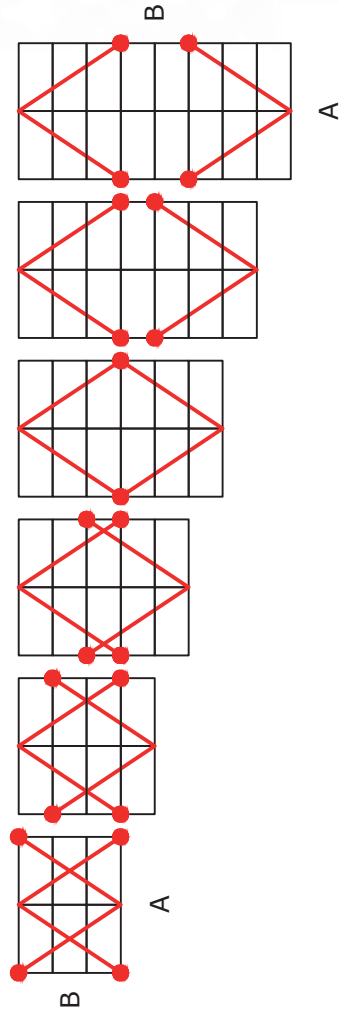
Only for models
over 2360mm
(i.e. V134, 36, 46)

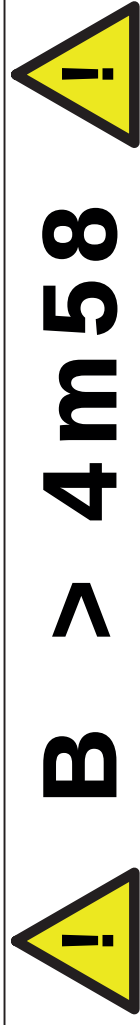


Placement of Roof Wind Braces (TRE) - View from above Attach first at ridge beam



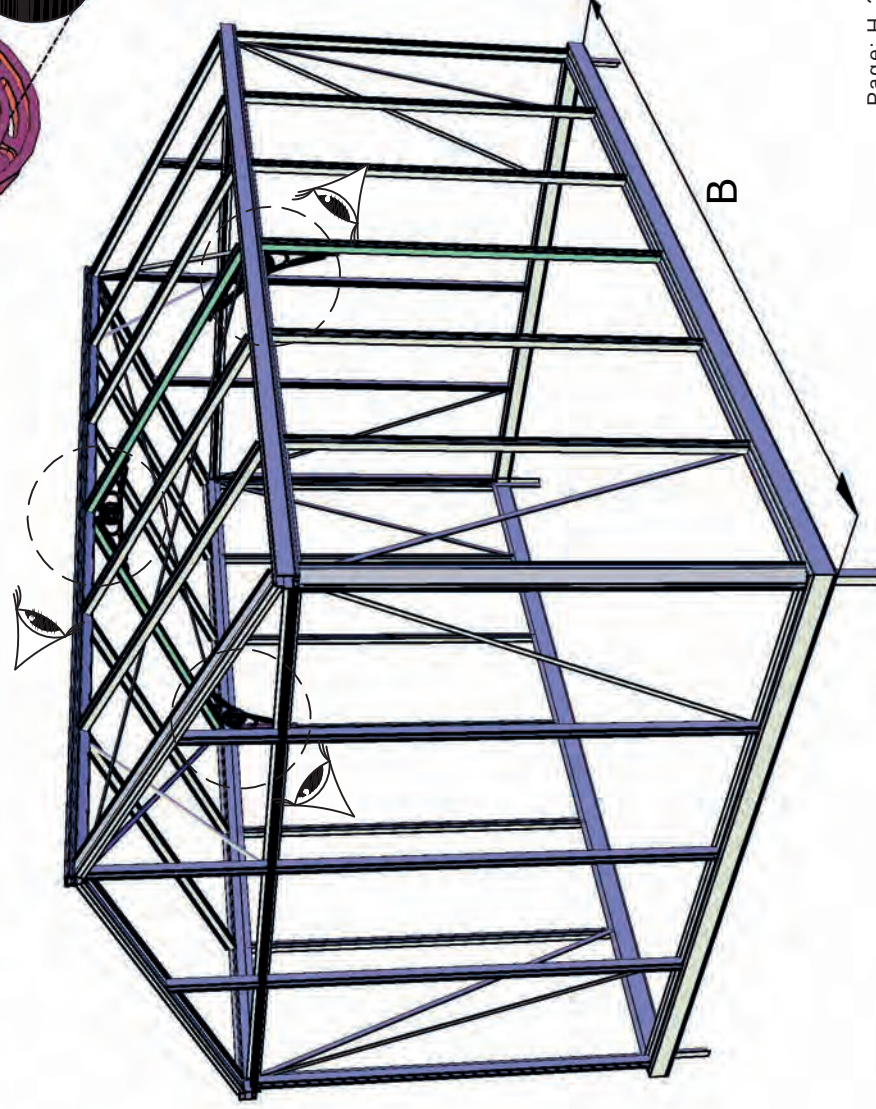
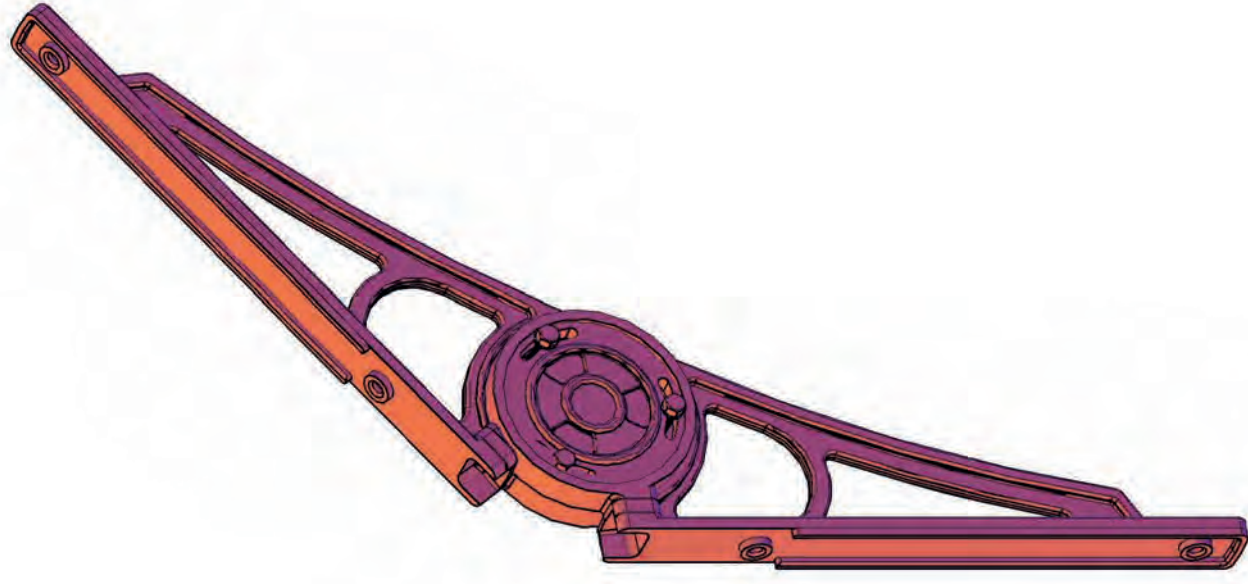
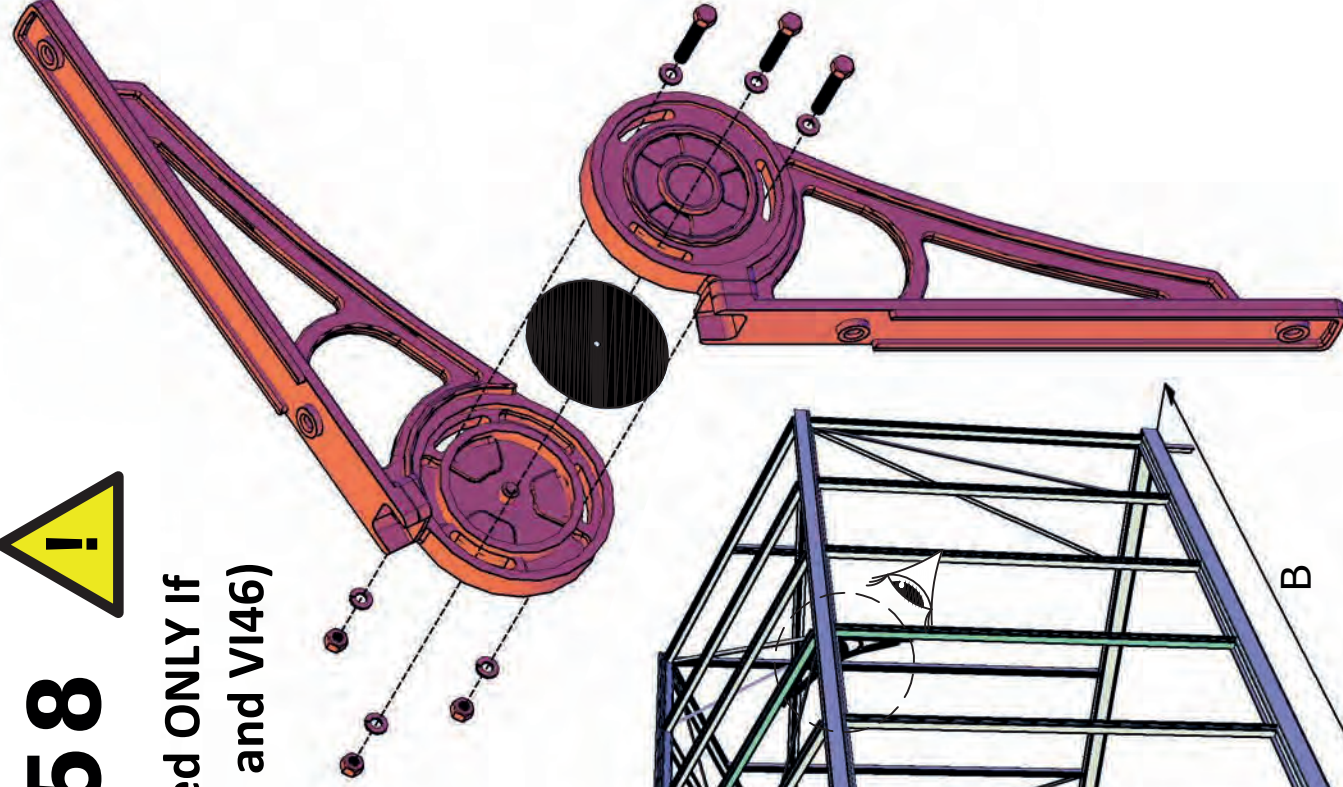
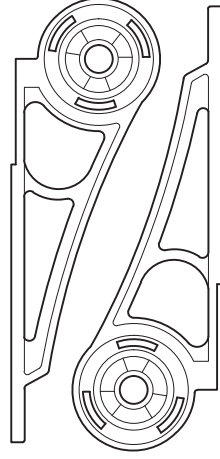
Placement of Roof Wind Braces (TRE) - View from above
Attachment at gutter profile





B > 4m58

**Scroll Supports are included ONLY if
length > 4580mm (i.e. VI36 and VI46)**

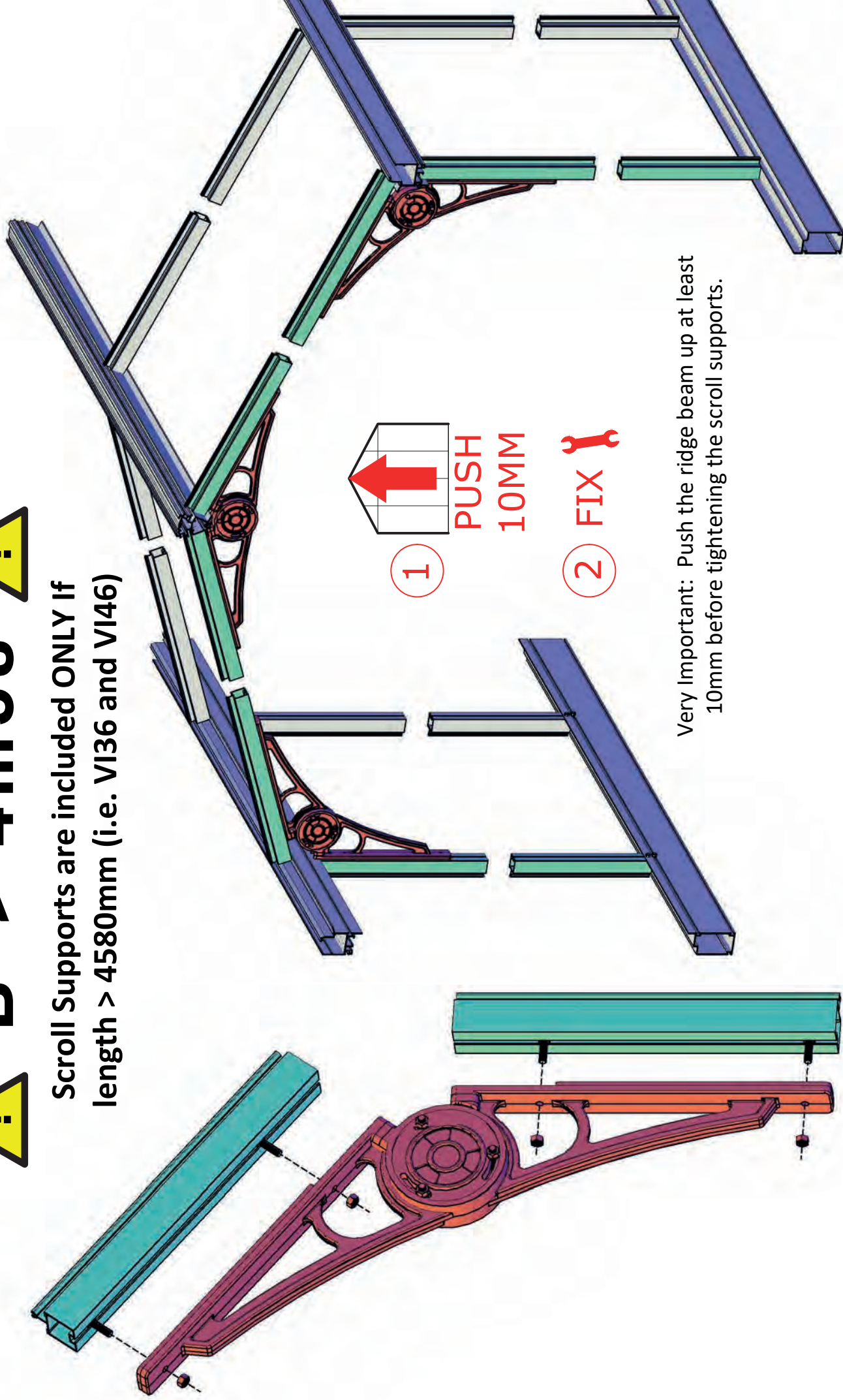




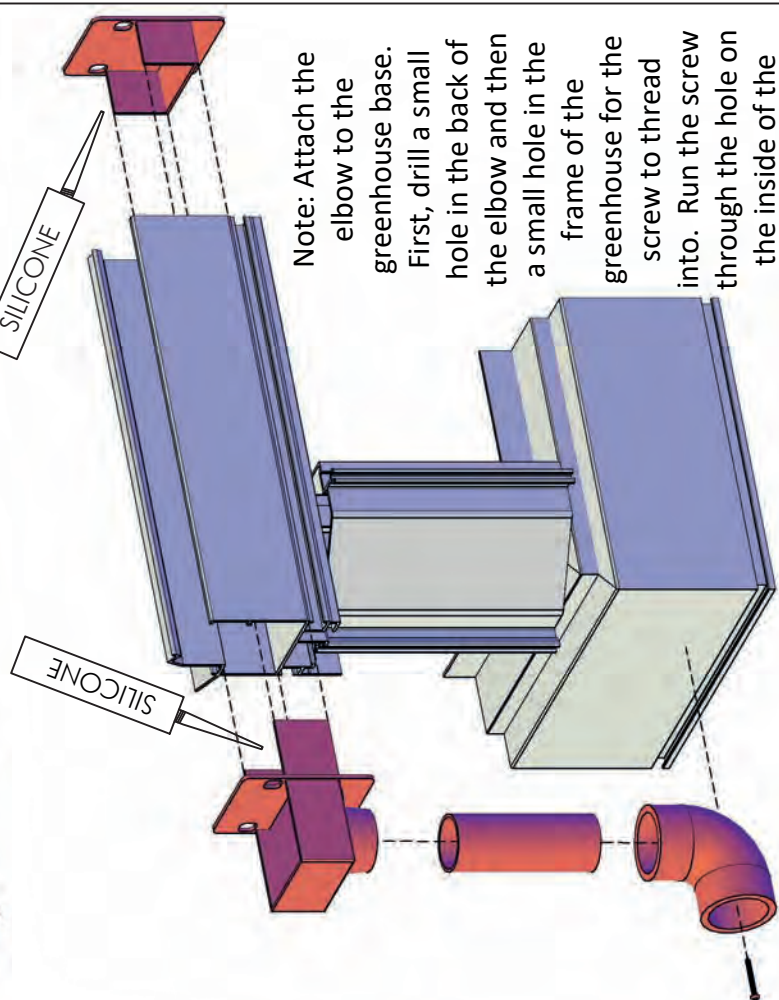
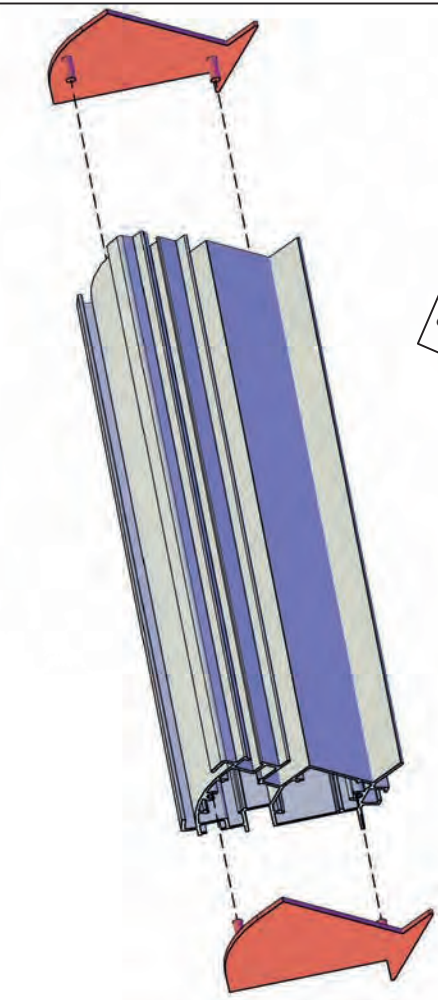
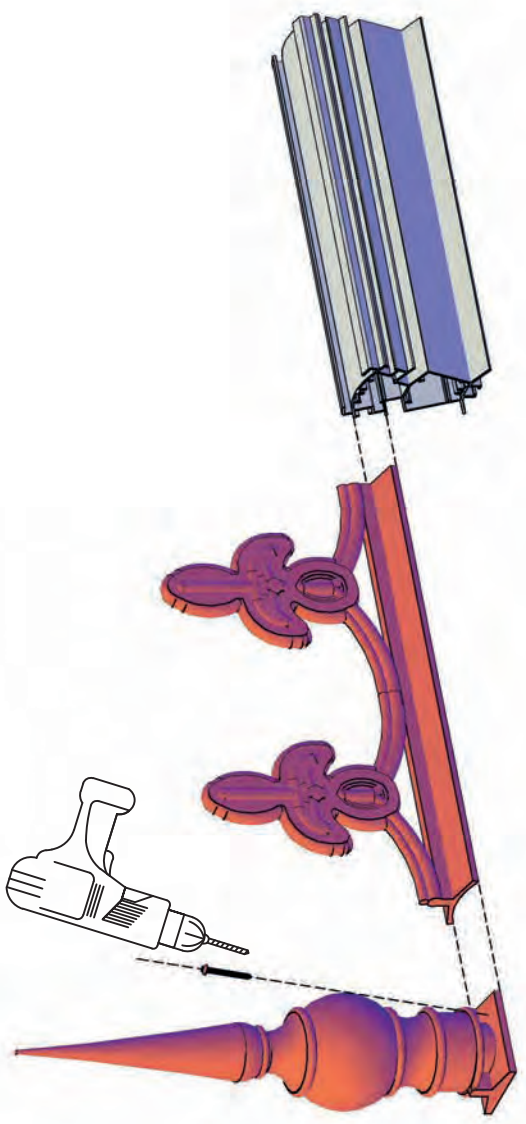
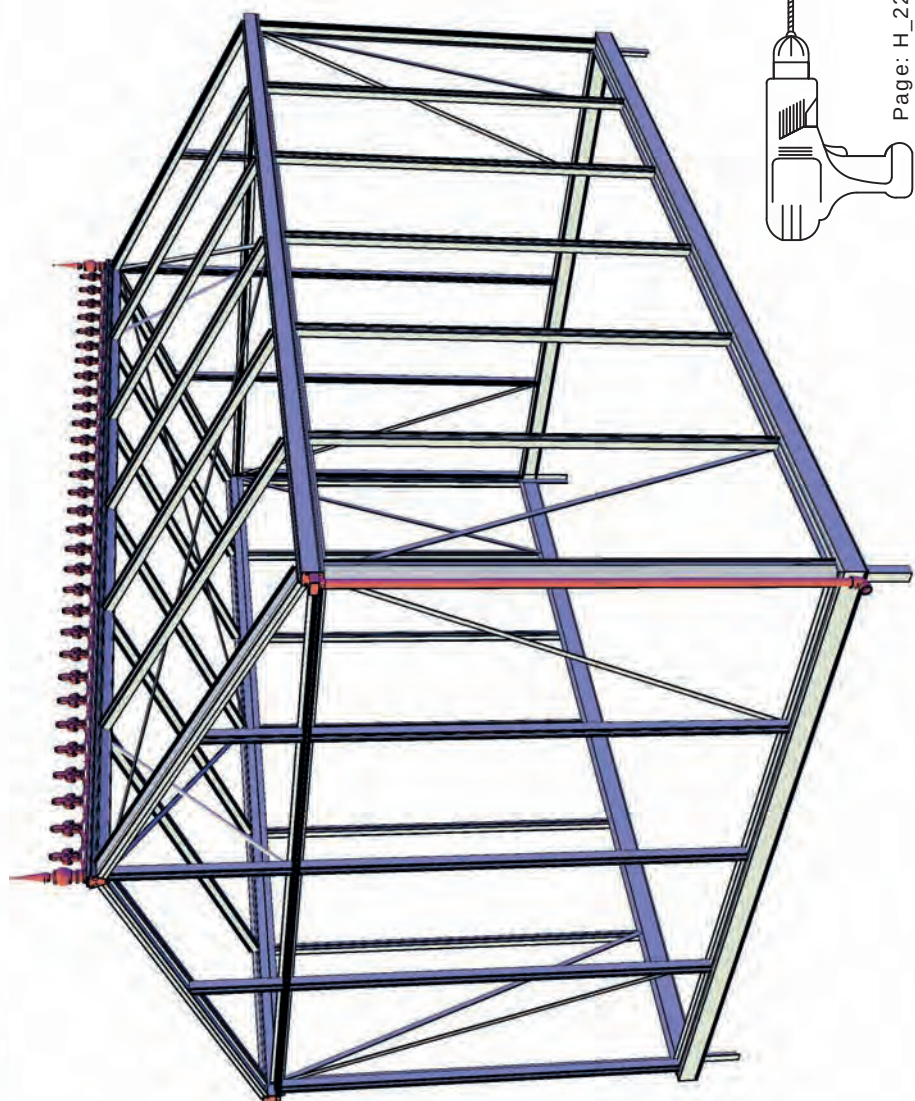
B > 4m 58



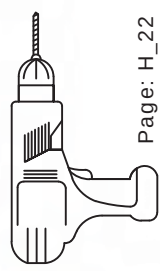
Scroll Supports are included **ONLY** if
length > 4580mm (i.e. V136 and V146)



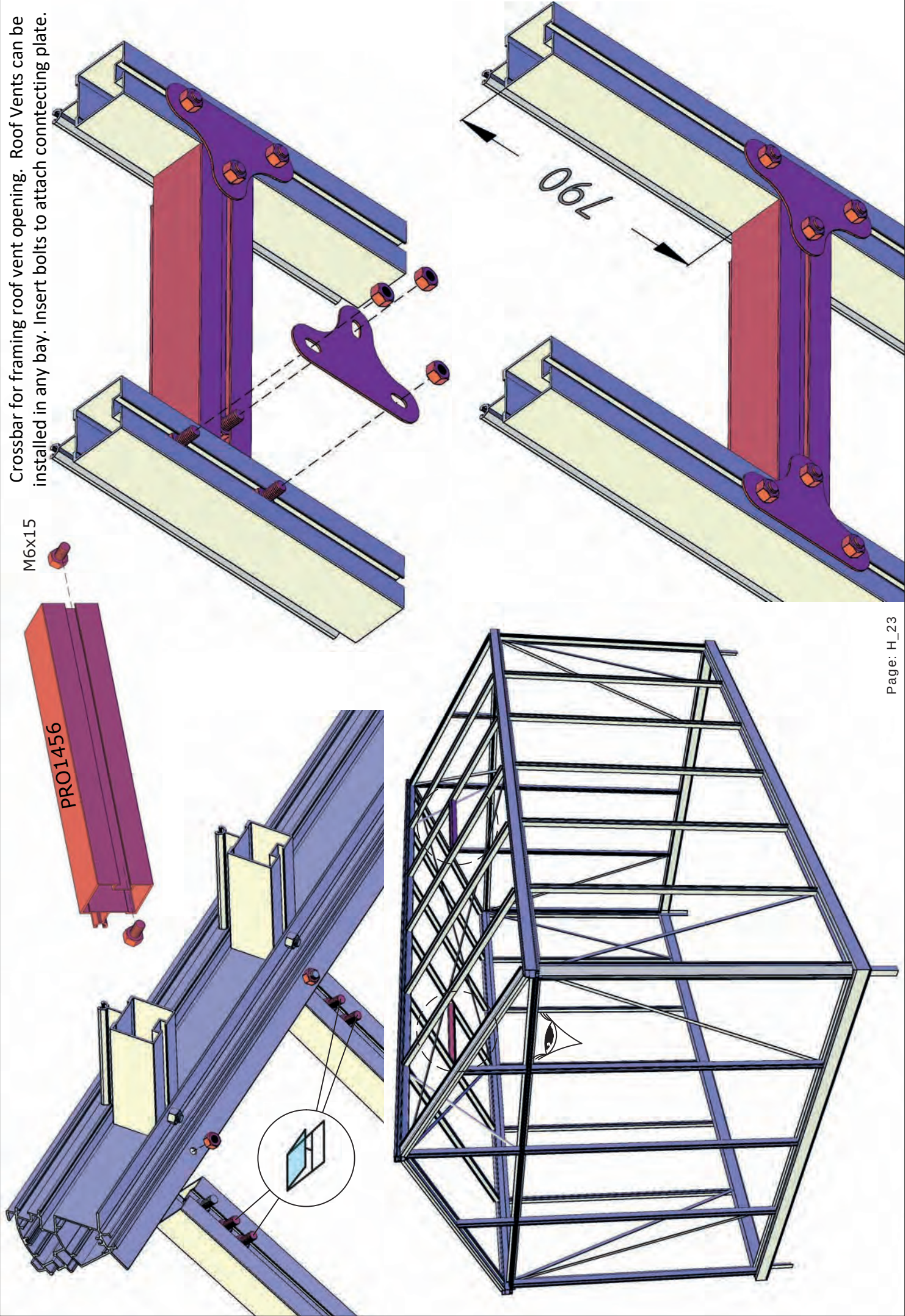
Very Important: Push the ridge beam up at least
10mm before tightening the scroll supports.



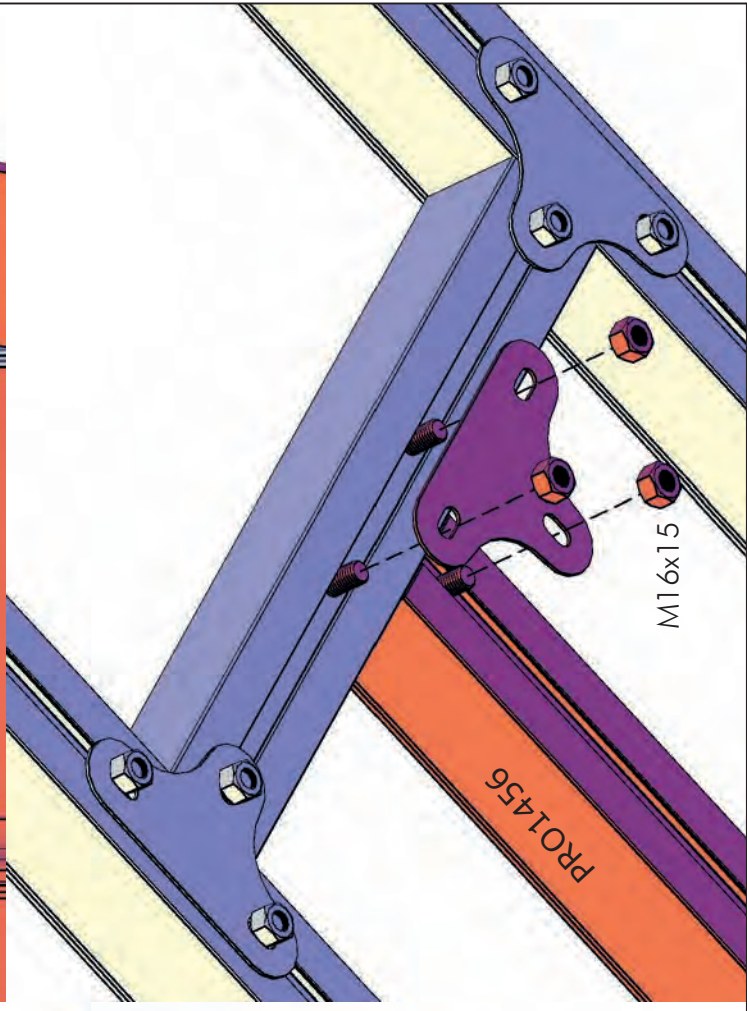
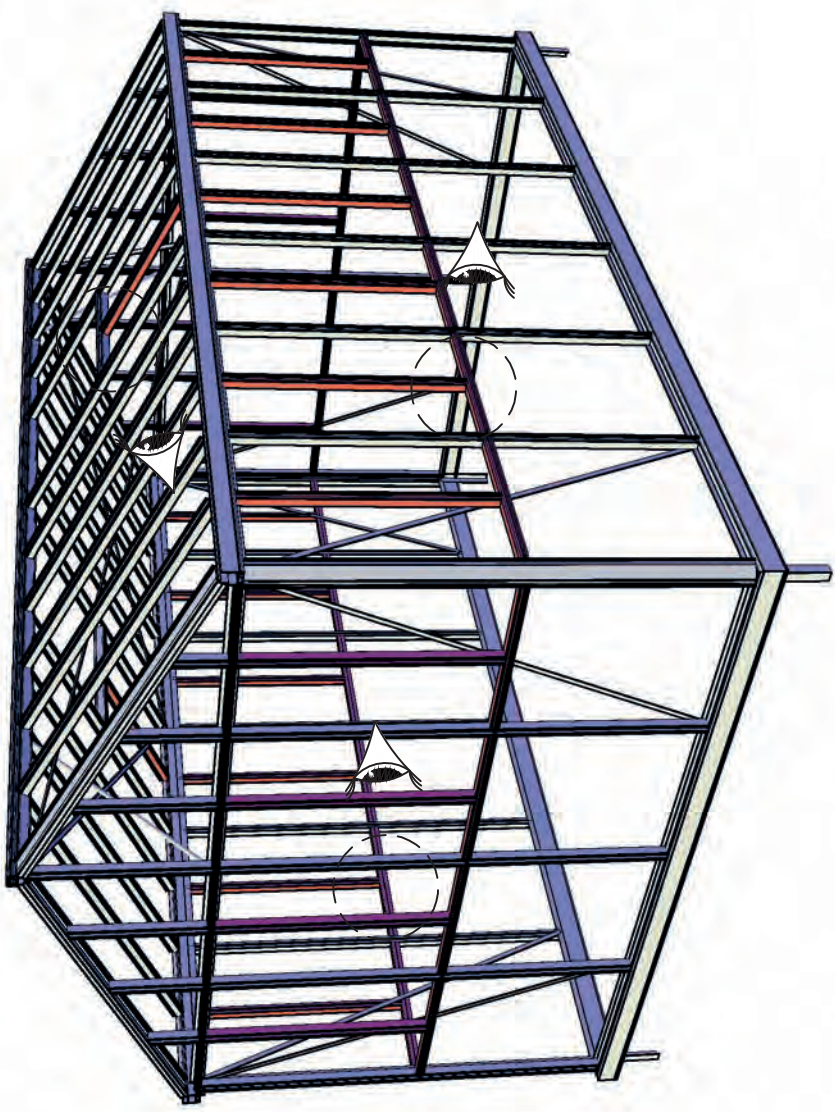
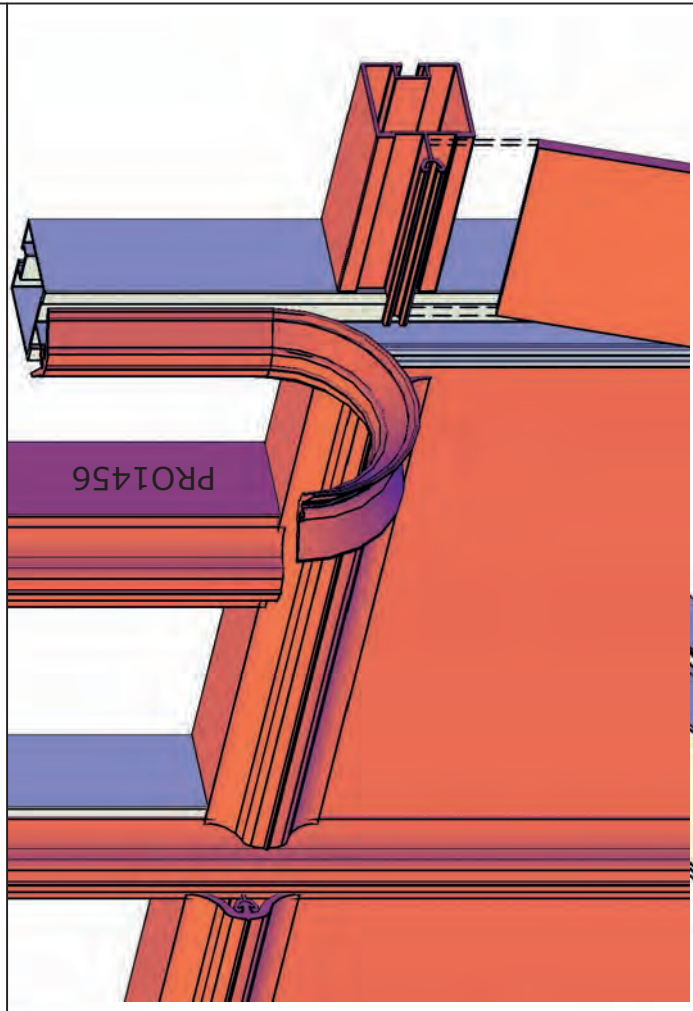
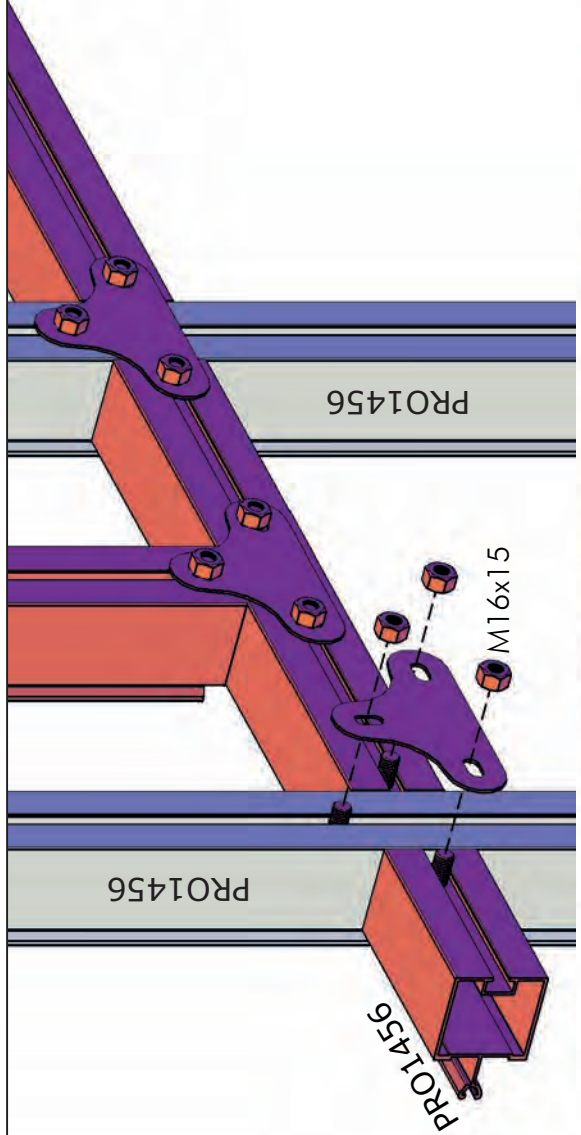
Note: Attach the elbow to the greenhouse base. First, drill a small hole in the back of the elbow and then a small hole in the frame of the greenhouse for the screw to thread into. Run the screw through the hole on the inside of the elbow and into the greenhouse base.



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

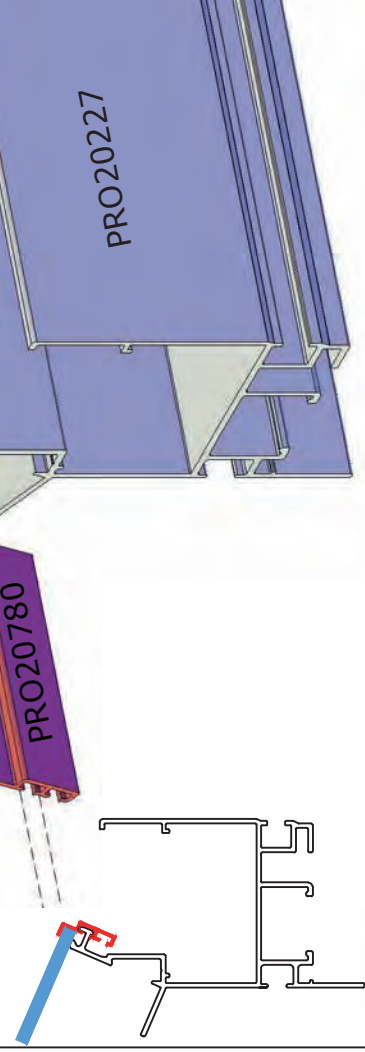


OPTIONAL: THIS PAGE ONLY APPLIES TO 'RETRO' MODEL

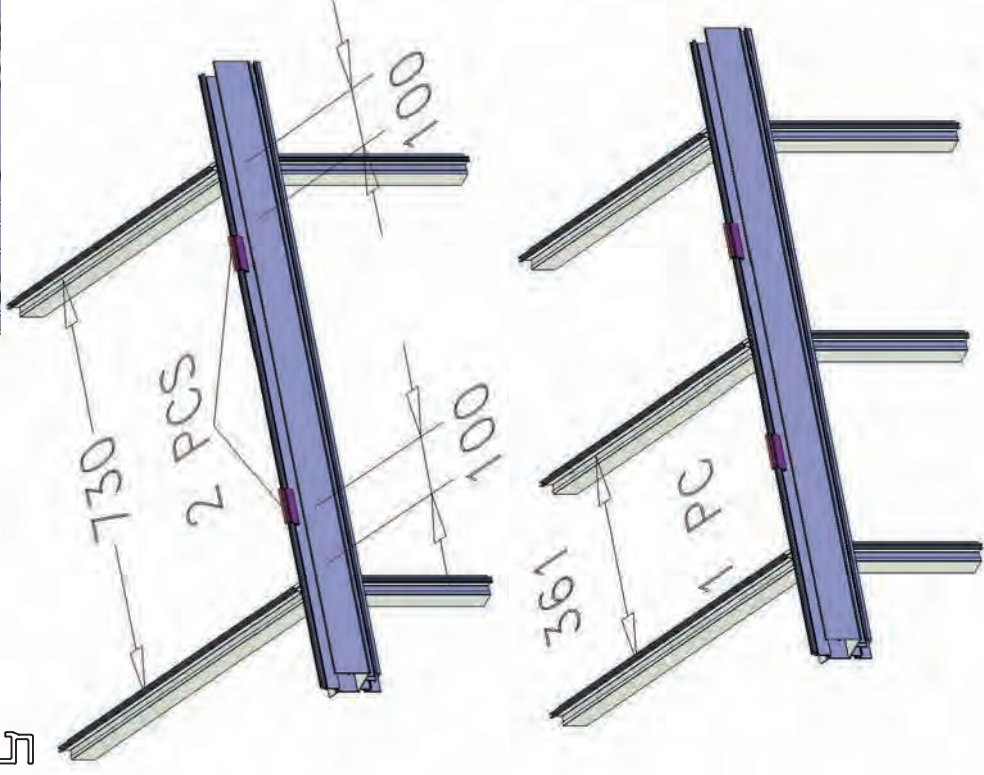
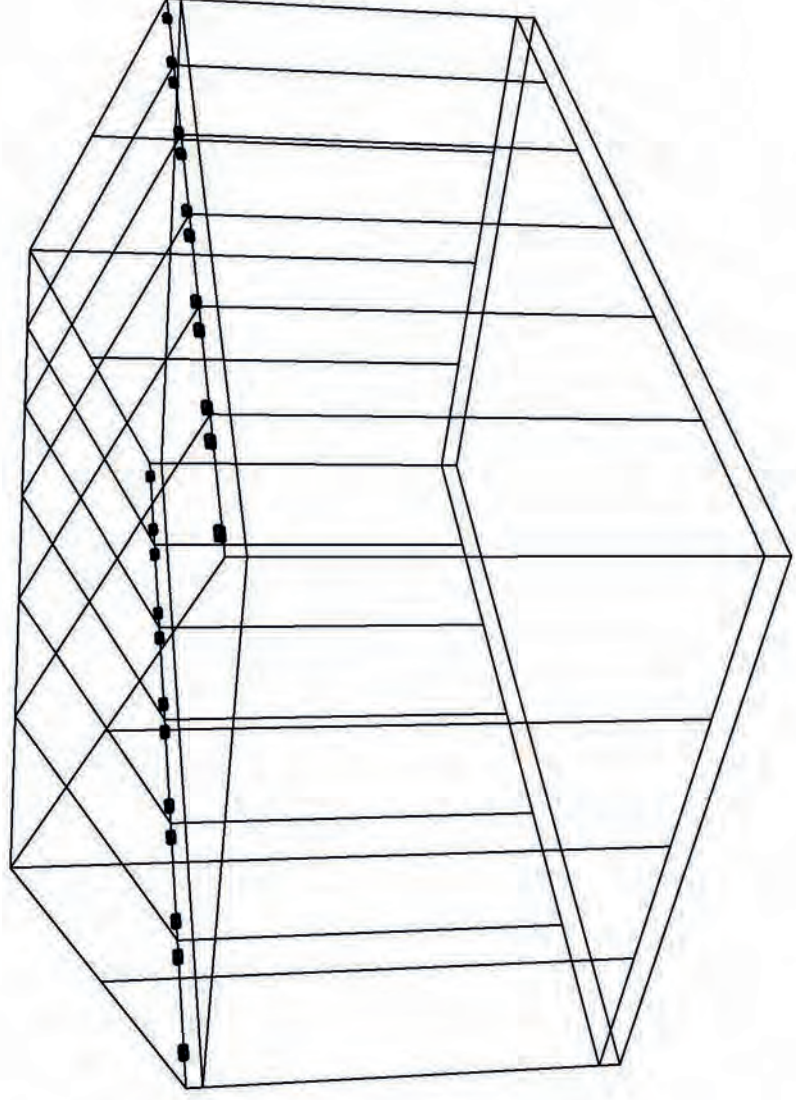
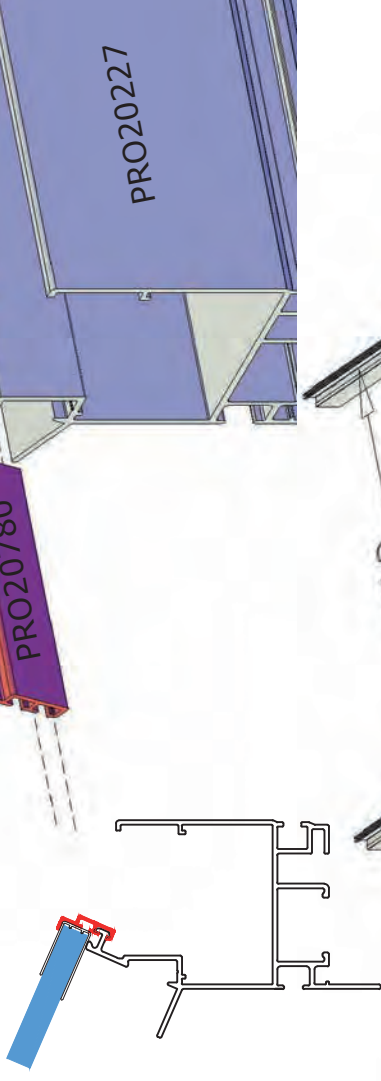


Glazing supports slide onto the gutter profile, space them 100mm or 4 inches from each roof profile.

4mm
GLASS

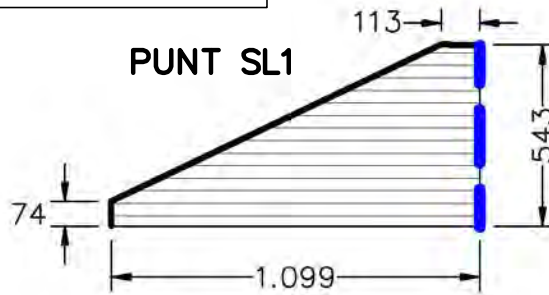
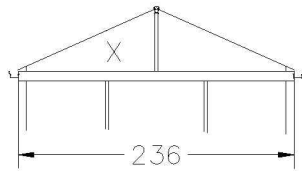


10mm
POLYCARBONATE

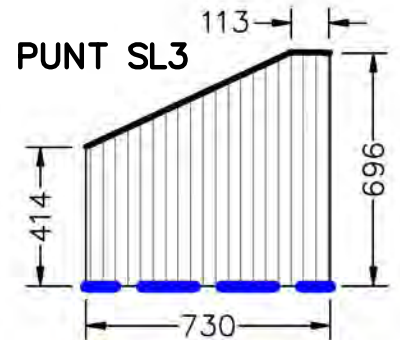
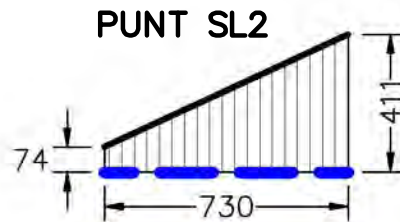
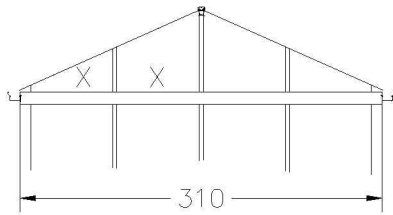


HELIOS polycarbonate 10mm

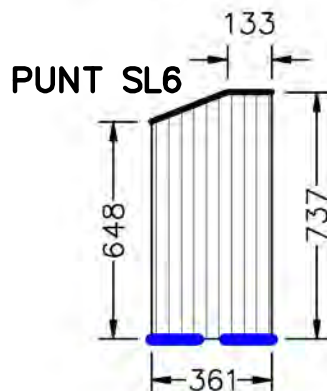
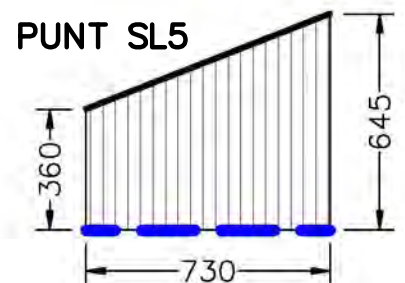
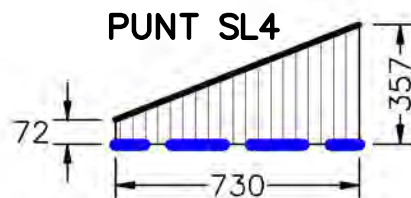
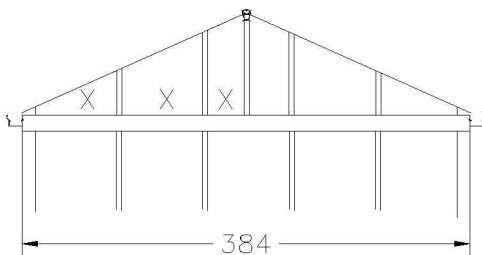
This page is for polycarbonate units only.



The crescent seal (E400330) is NOT used with polycarbonate. It may be shipped with your unit, but it is only for GLASS panels.

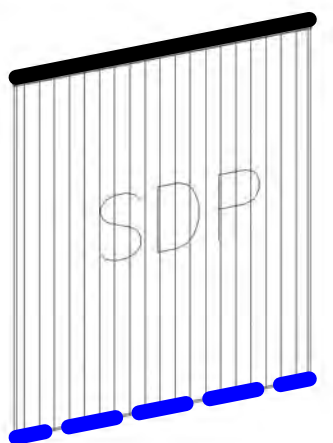


Remove the protective film, but leave the silver sealed tape and ventilation tape on the ends. Ventilation tape indicates the bottom of the panel.

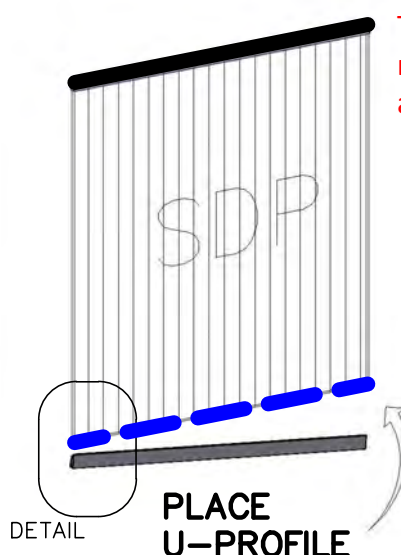


SEALED TAPE

VENTILATION TAPE



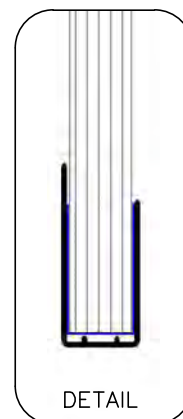
VENTILATION TAPE



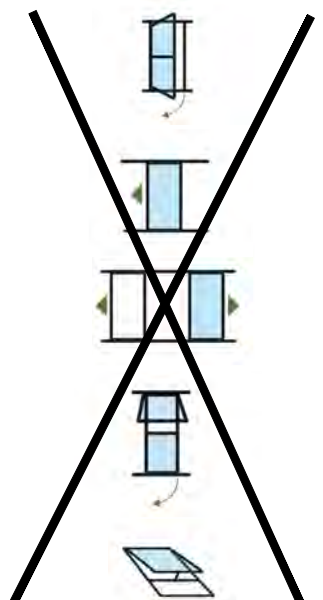
DETAIL

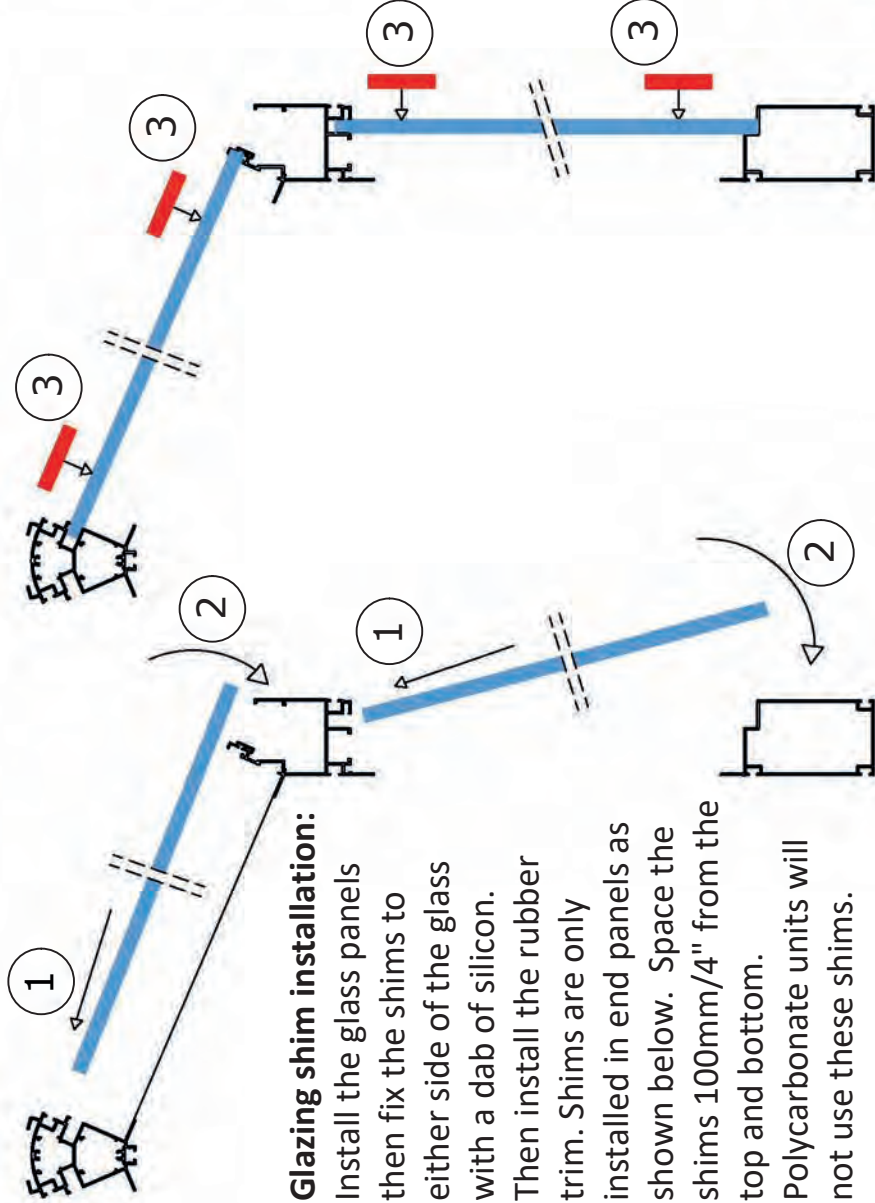
PLACE U-PROFILE

The U-profiles are not used in the doors and windows.



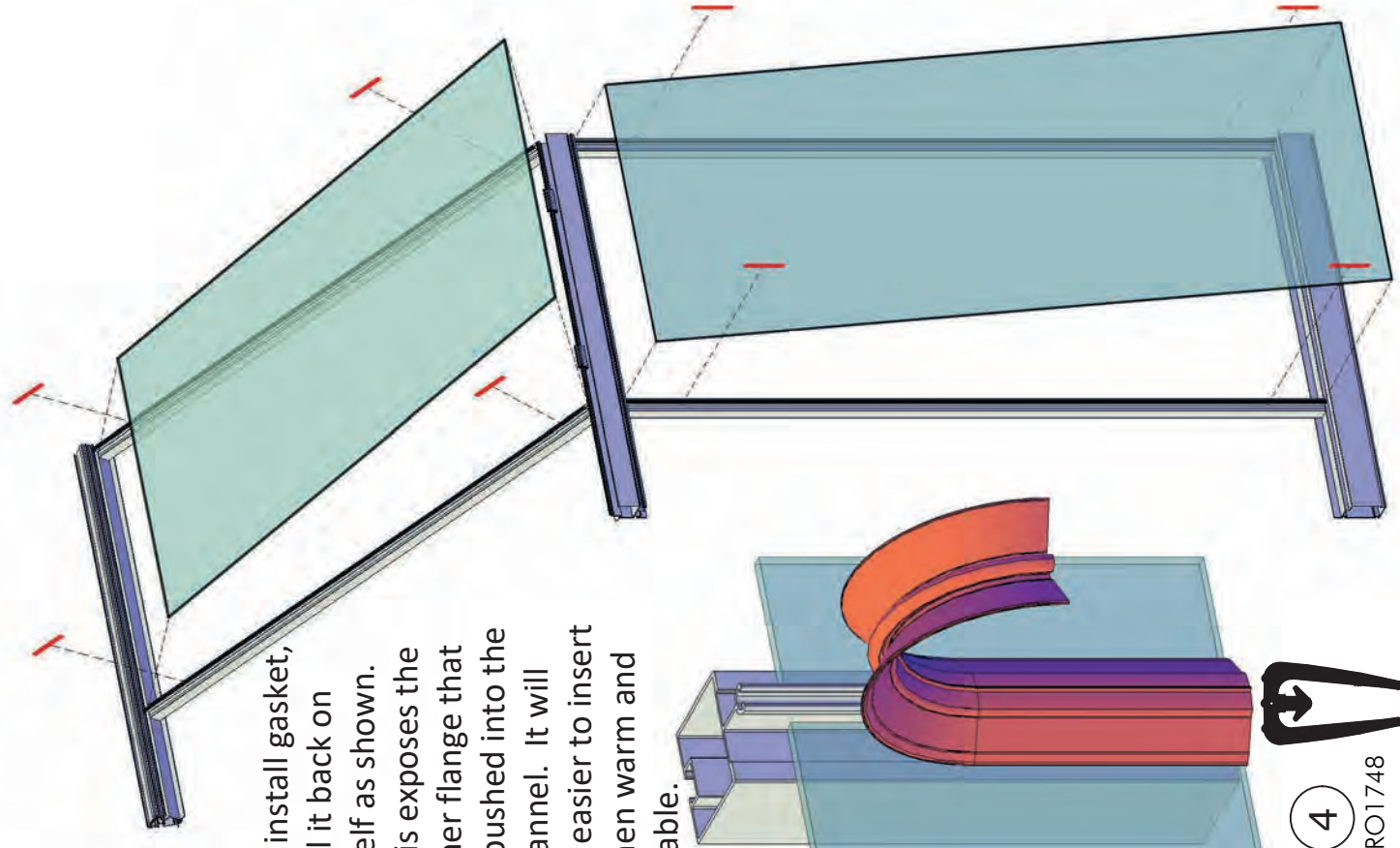
DETAIL





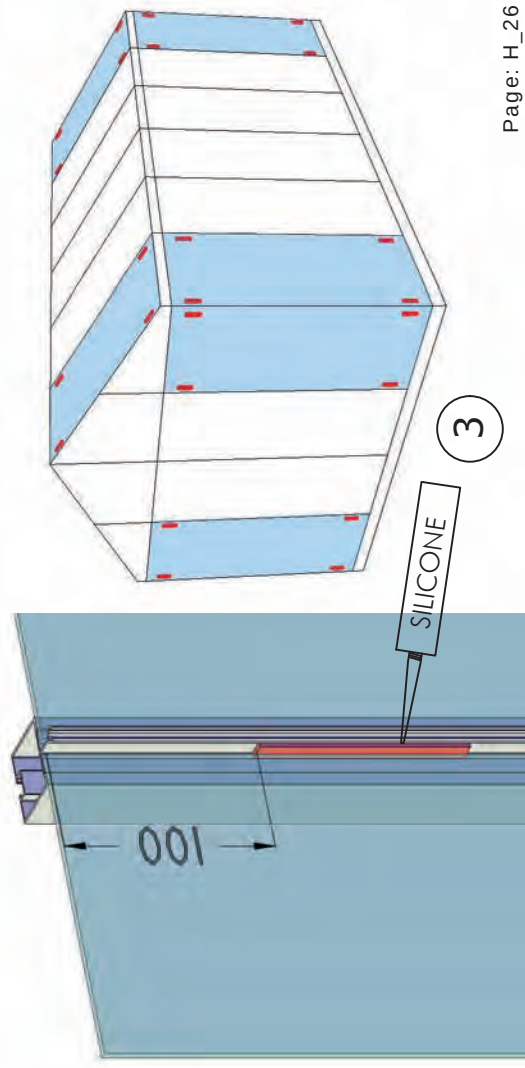
Glazing shim installation:

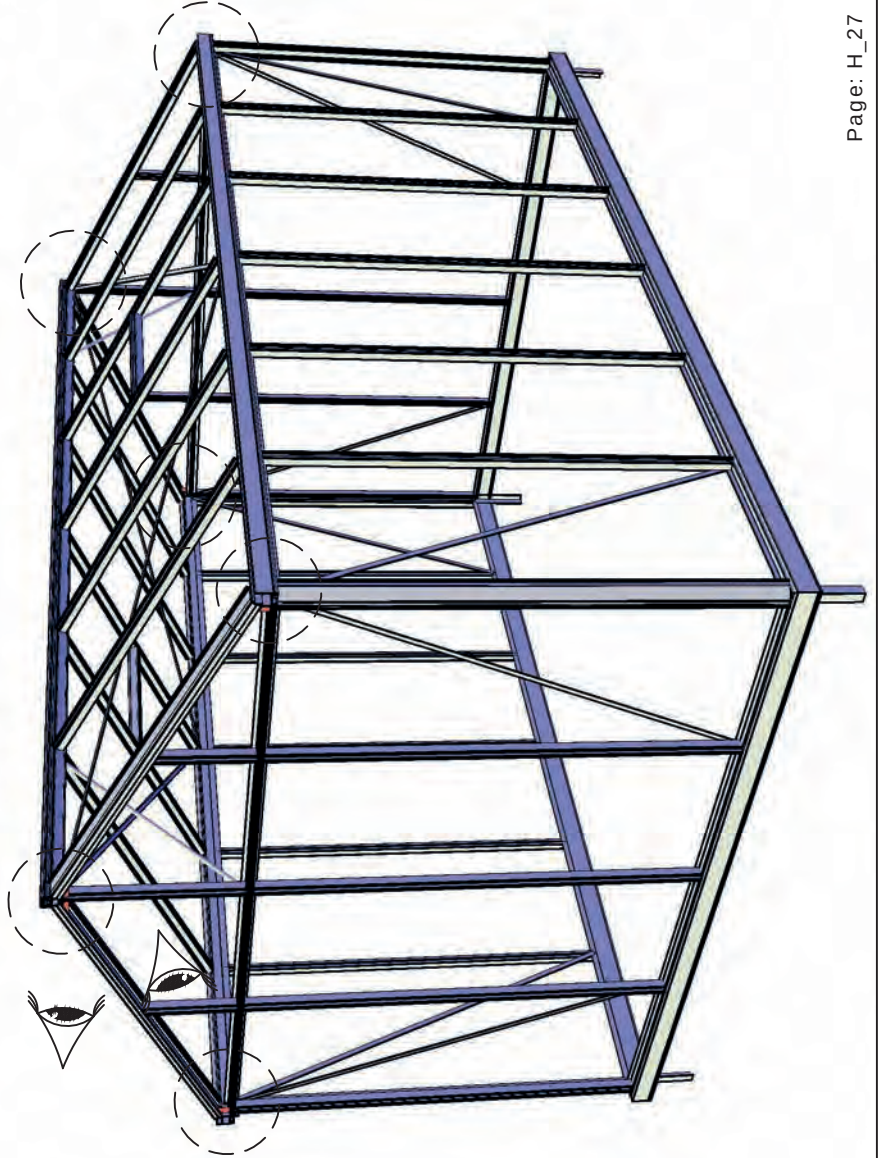
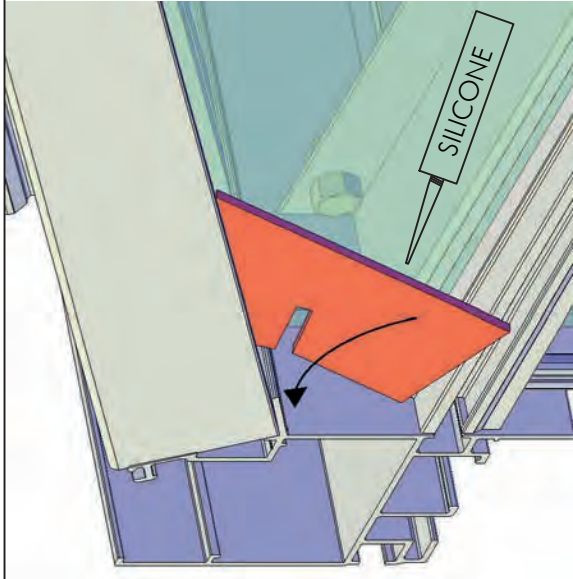
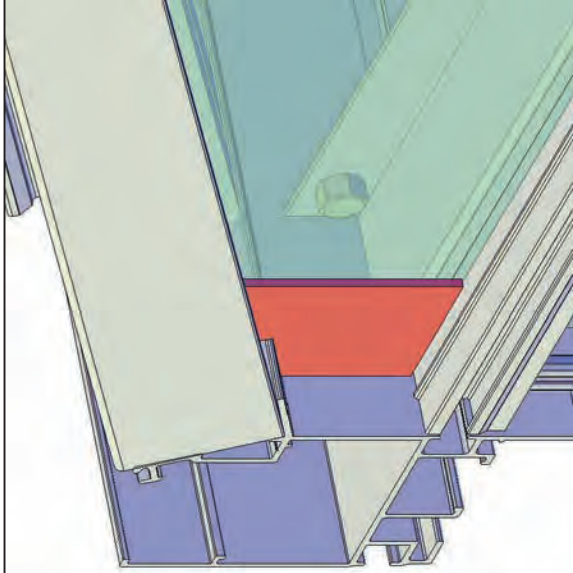
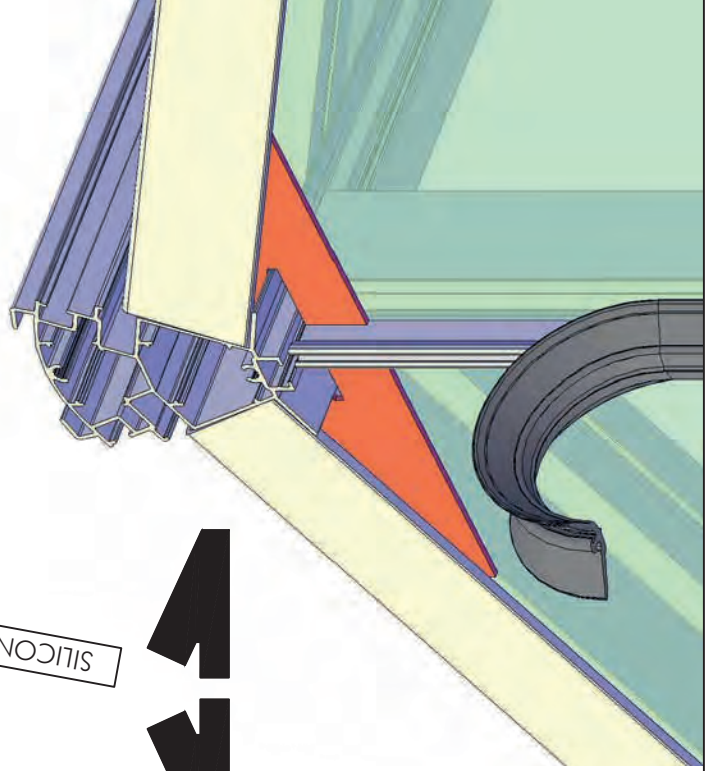
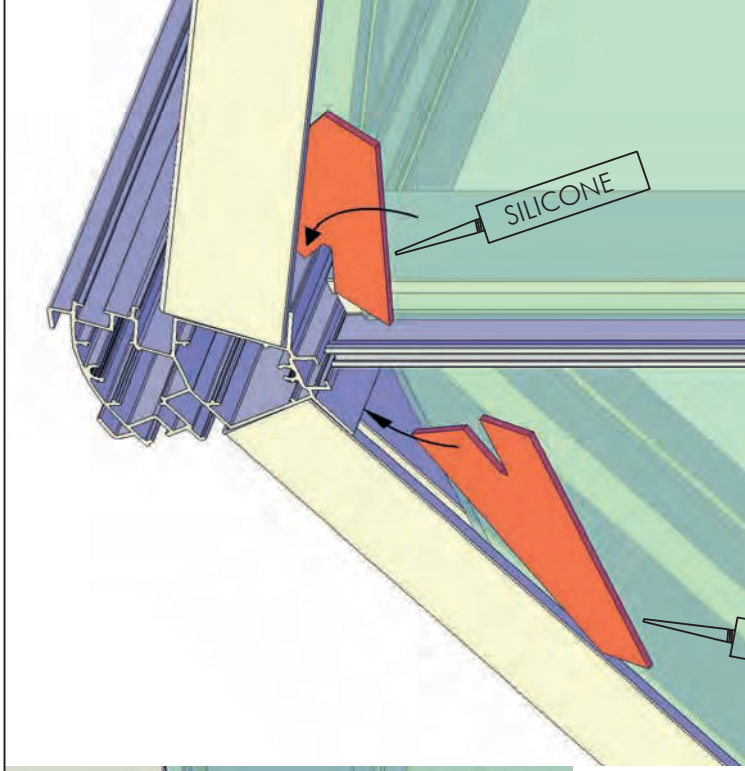
Install the glass panels then fix the shims to either side of the glass with a dab of silicone. Then install the rubber trim. Shims are only installed in end panels as shown below. Space the shims 100mm/4" from the top and bottom. Polycarbonate units will not use these shims.

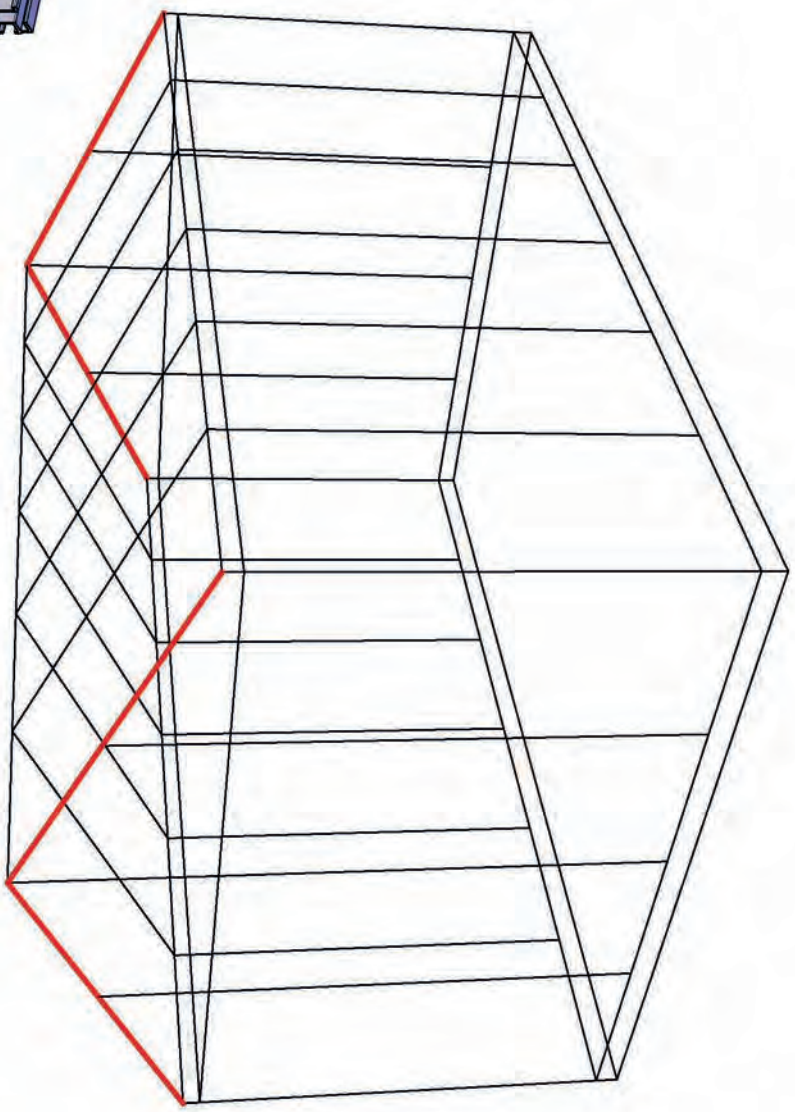
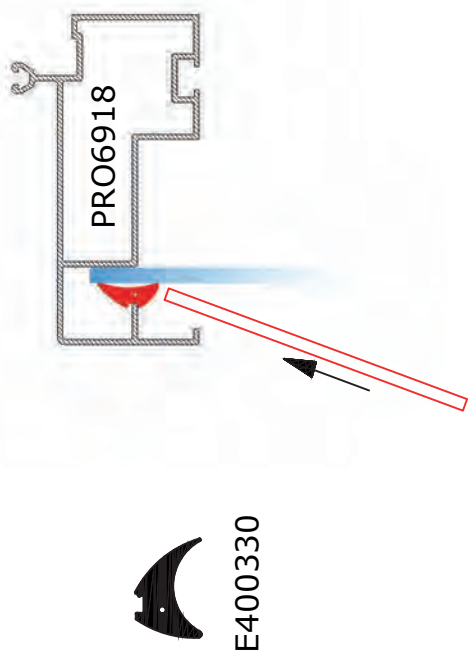
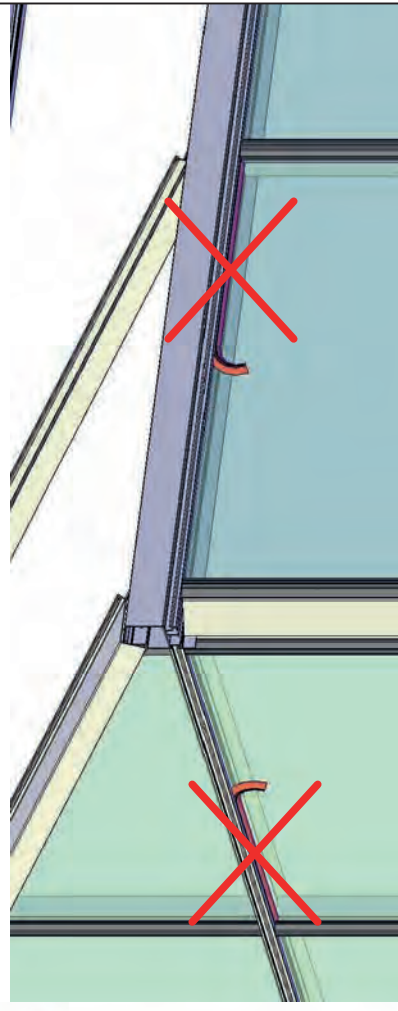
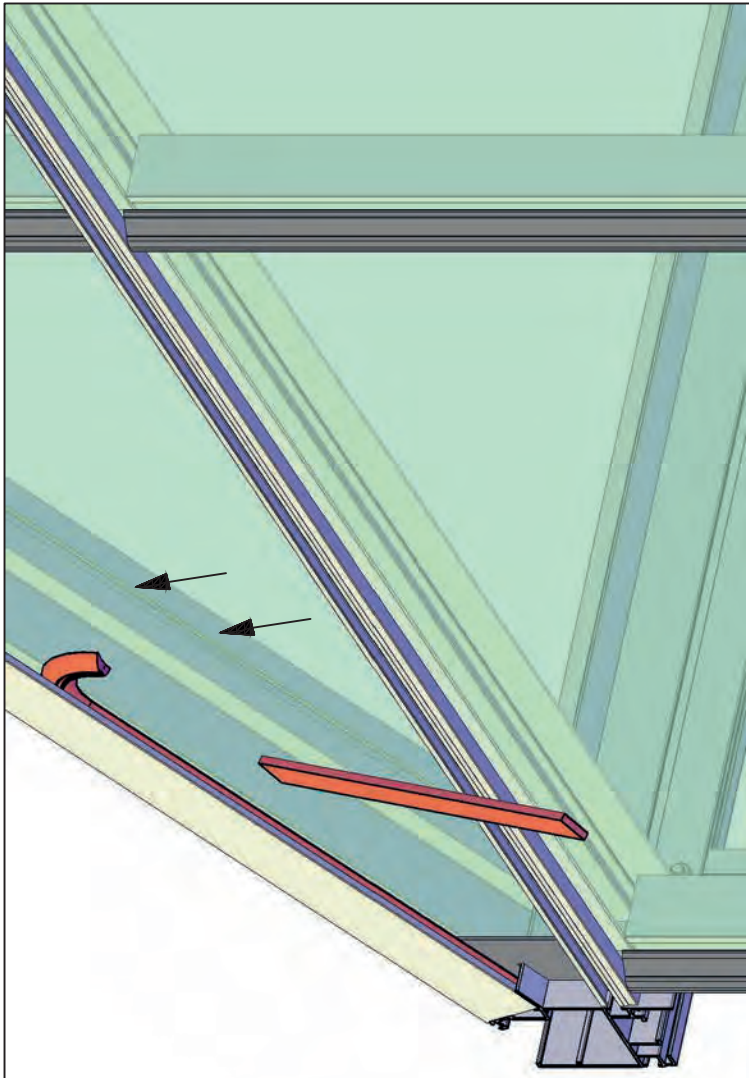


To install gasket, roll it back on itself as shown. This exposes the inner flange that is pushed into the channel. It will be easier to insert when warm and pliable.

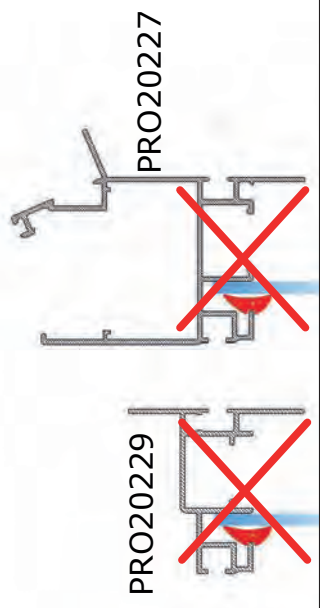
4 PRO1748



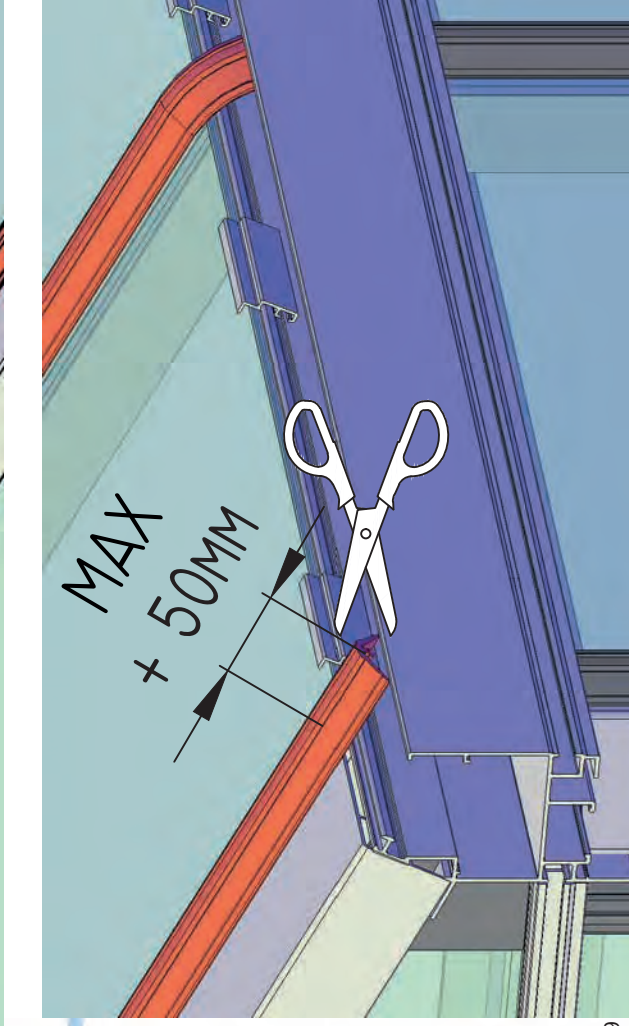
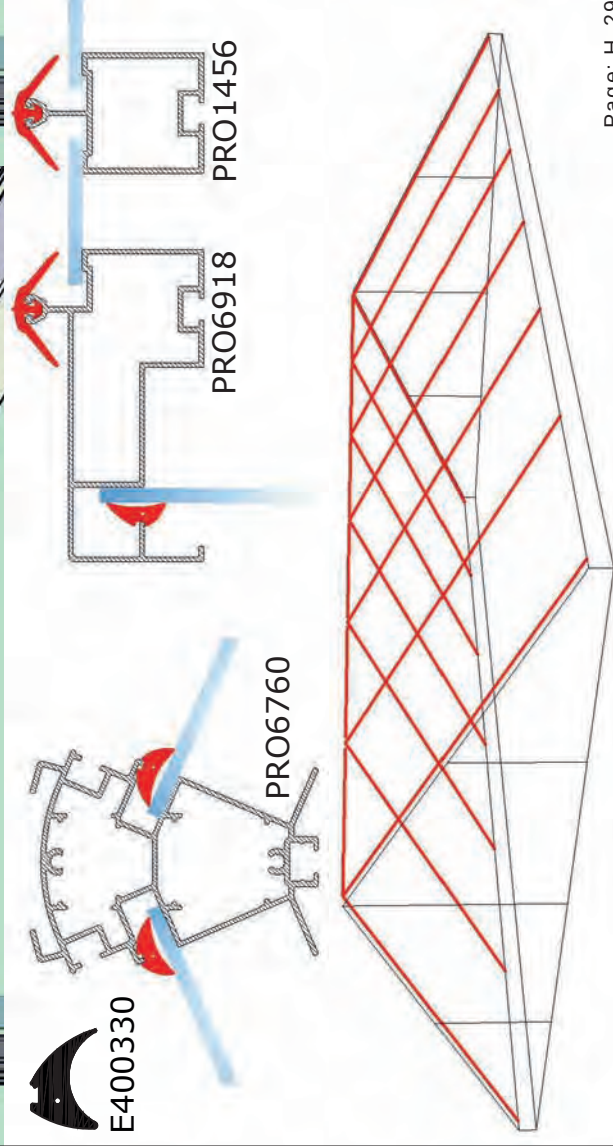
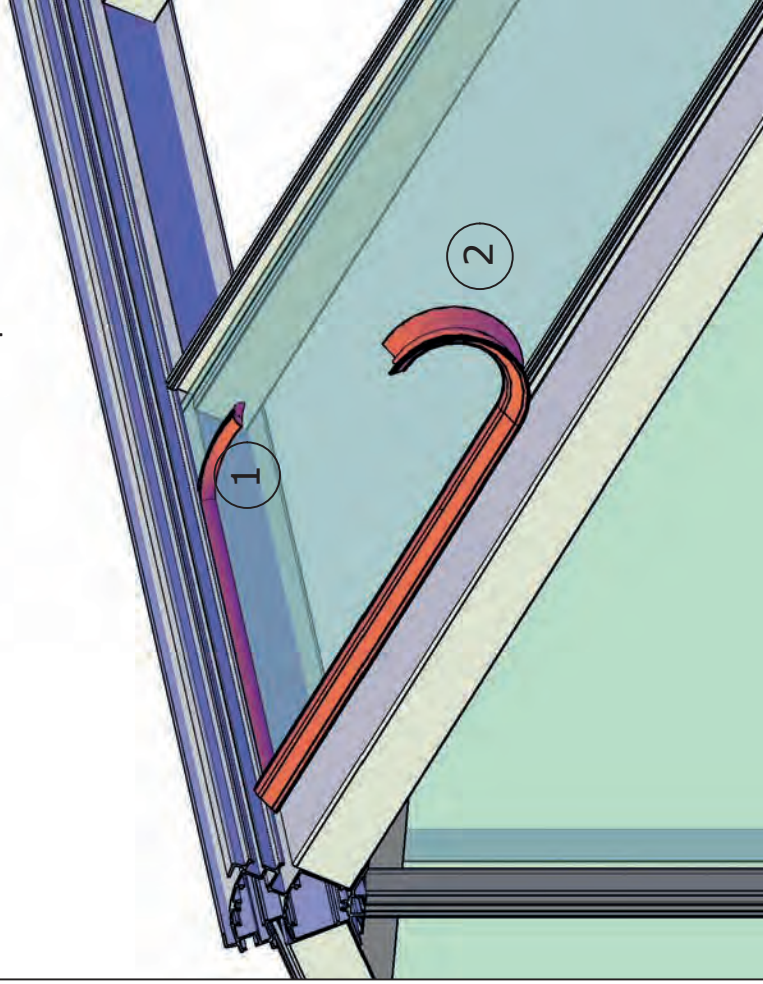




Crescent seal is only installed in the eaves and roof. Not along side walls.



To install heavy gasket, it is easiest to 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. Install the roof glazing pane by pane, inserting gaskets after each.

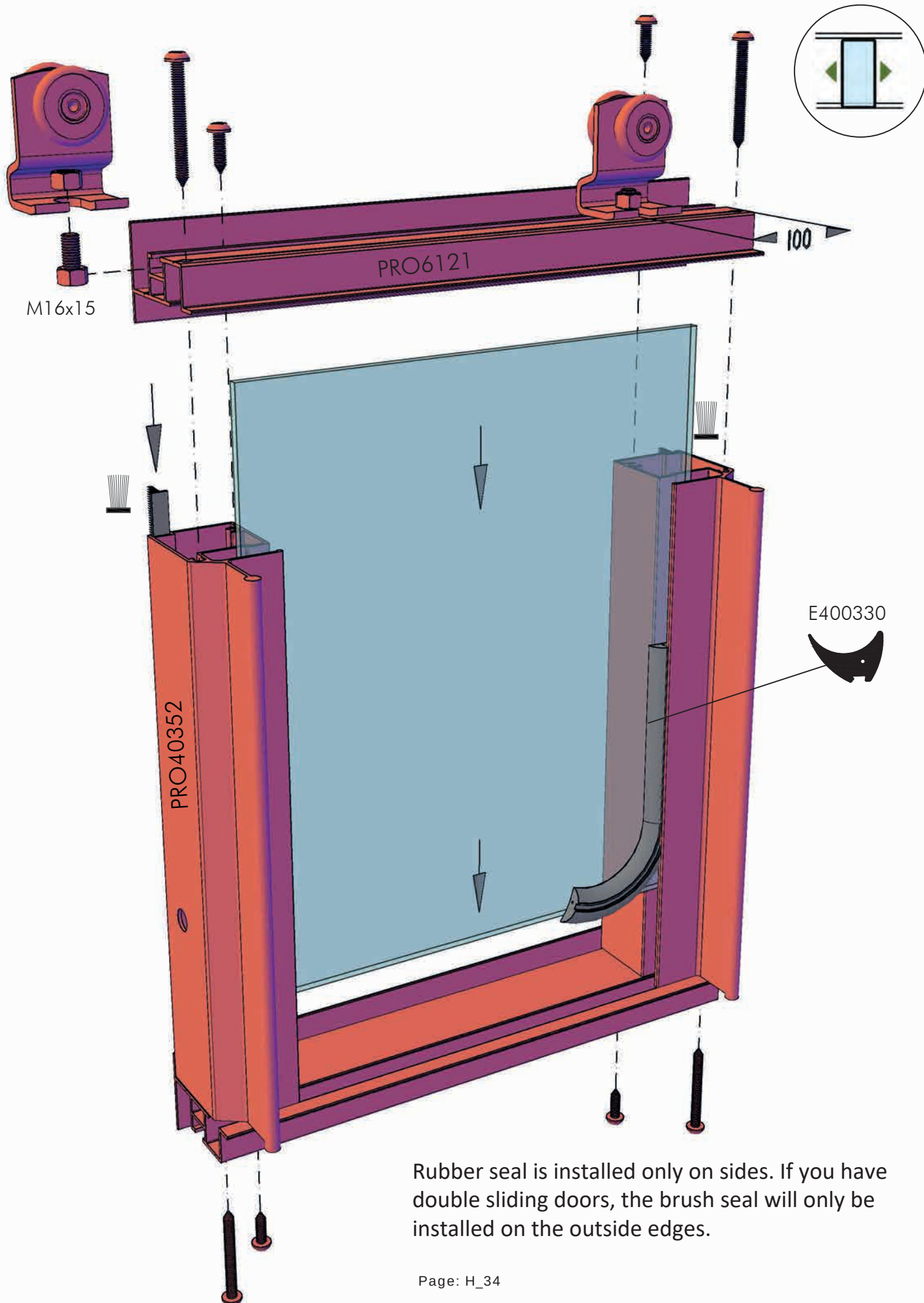


ACCESSORIES

This section contains many of the optional accessories.

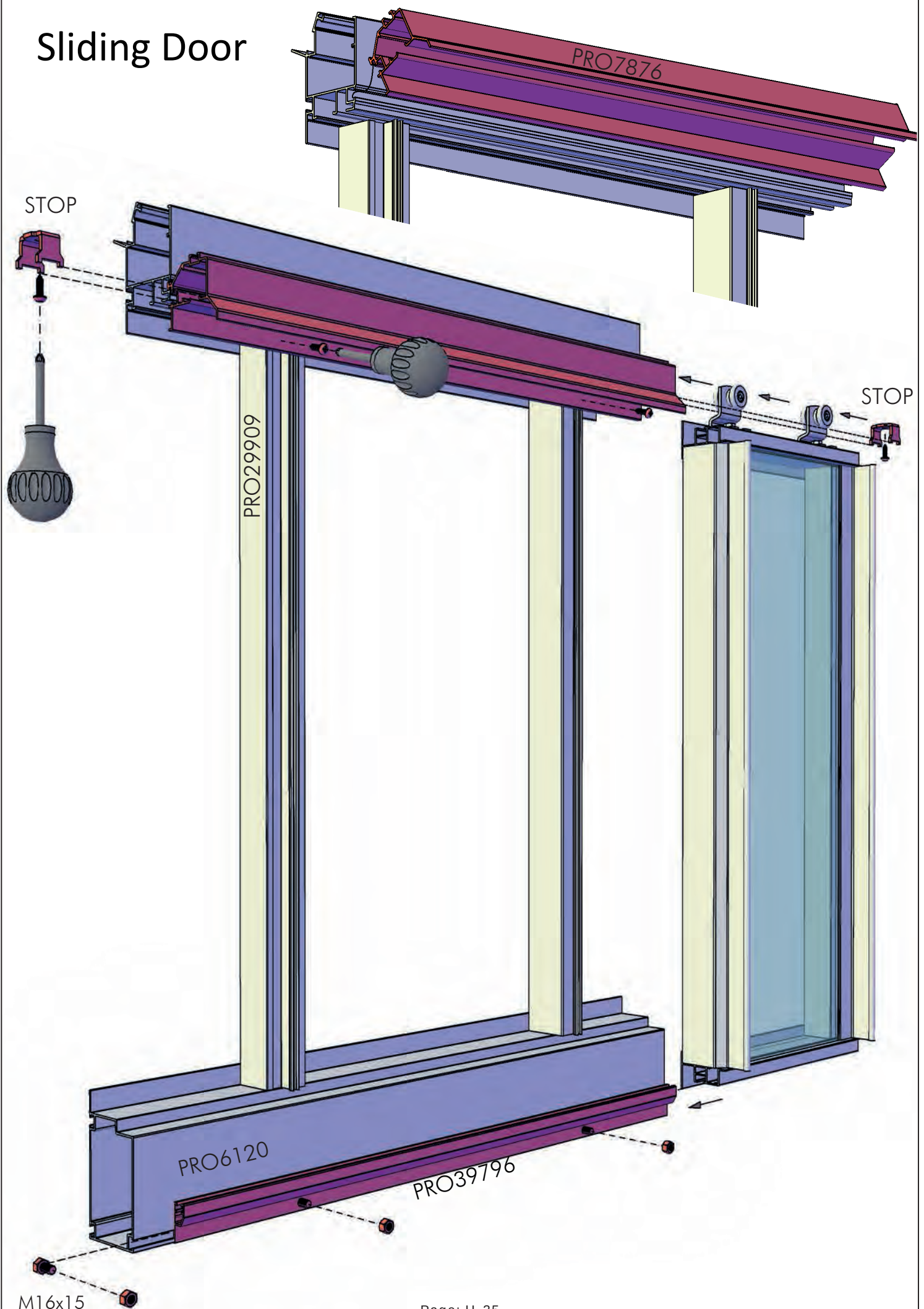
You will have some, but likely not all, items seen in this section.

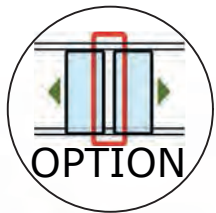
Sliding door (standard for most models) Some models will have double sliding doors.



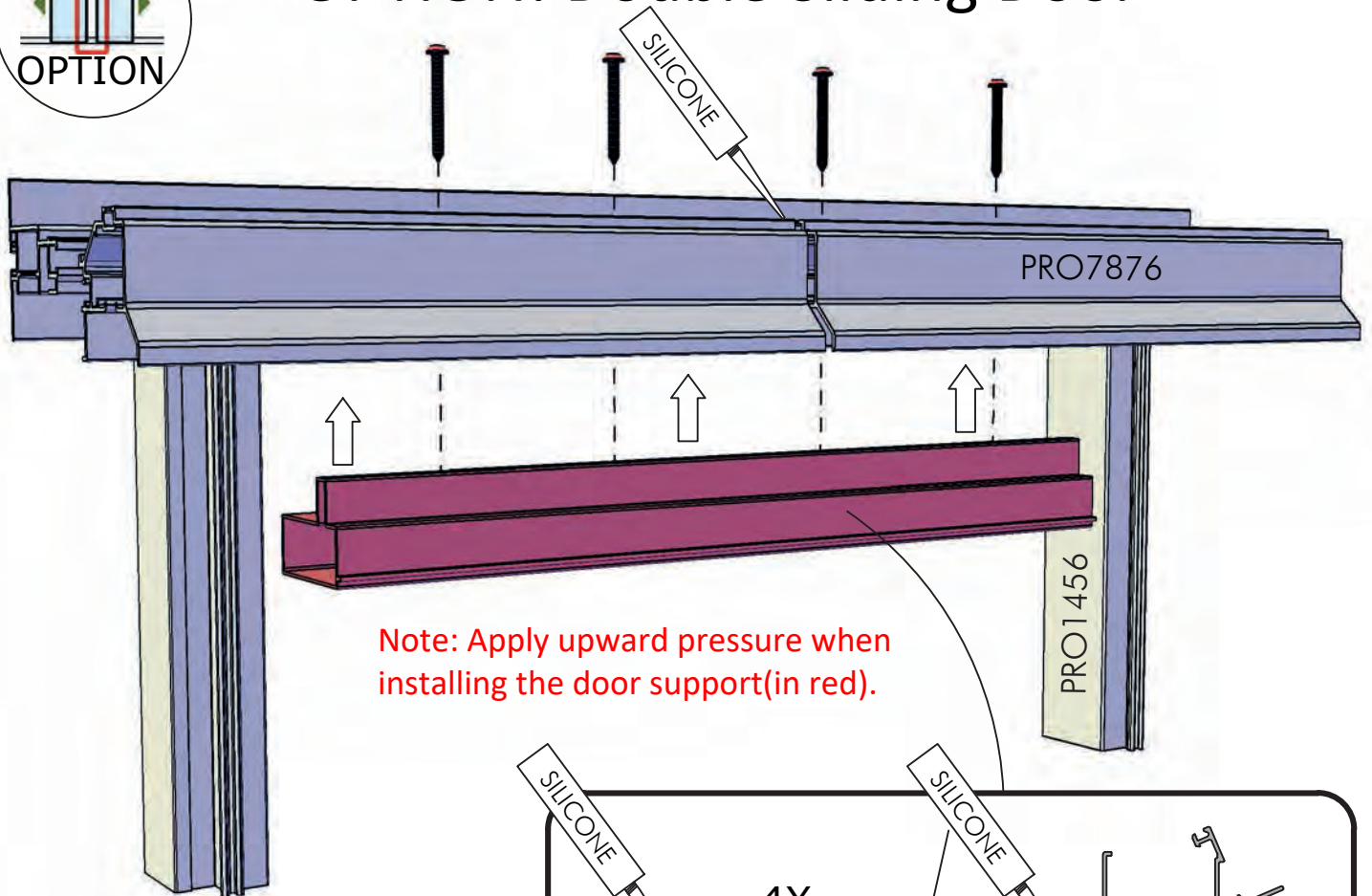
Rubber seal is installed only on sides. If you have double sliding doors, the brush seal will only be installed on the outside edges.

Sliding Door

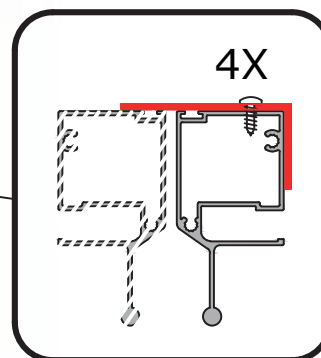
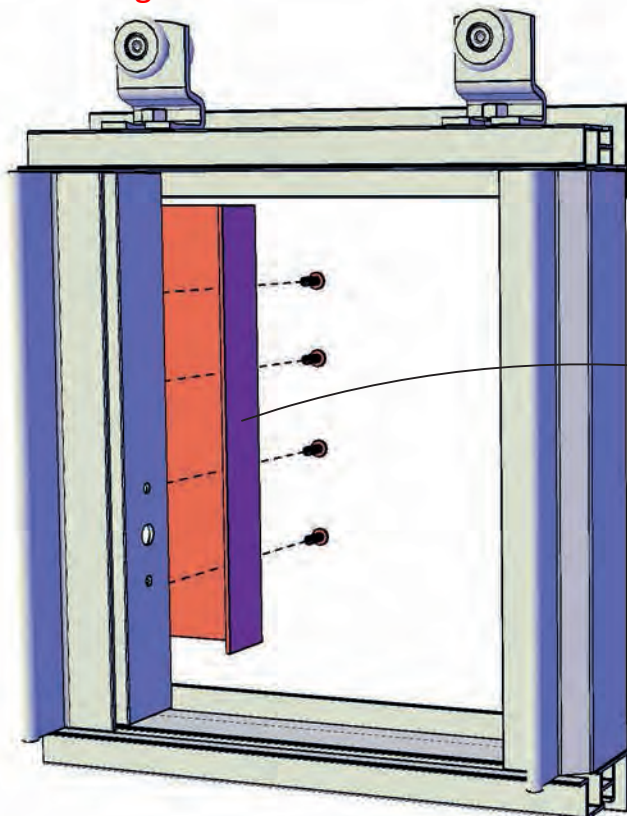
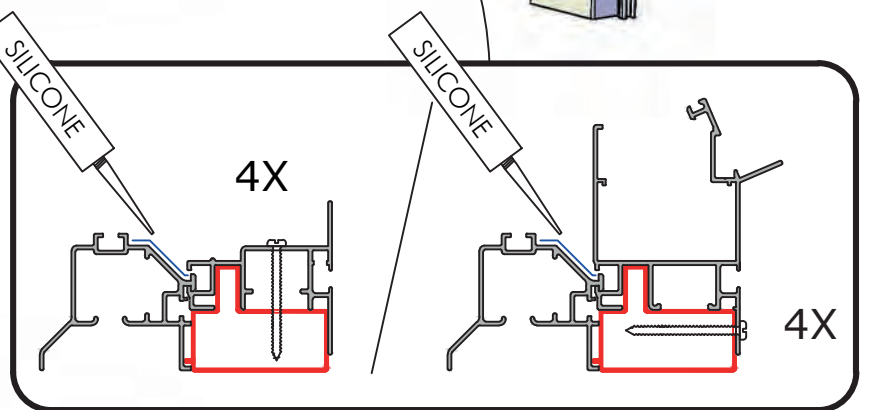




OPTION: Double Sliding Door



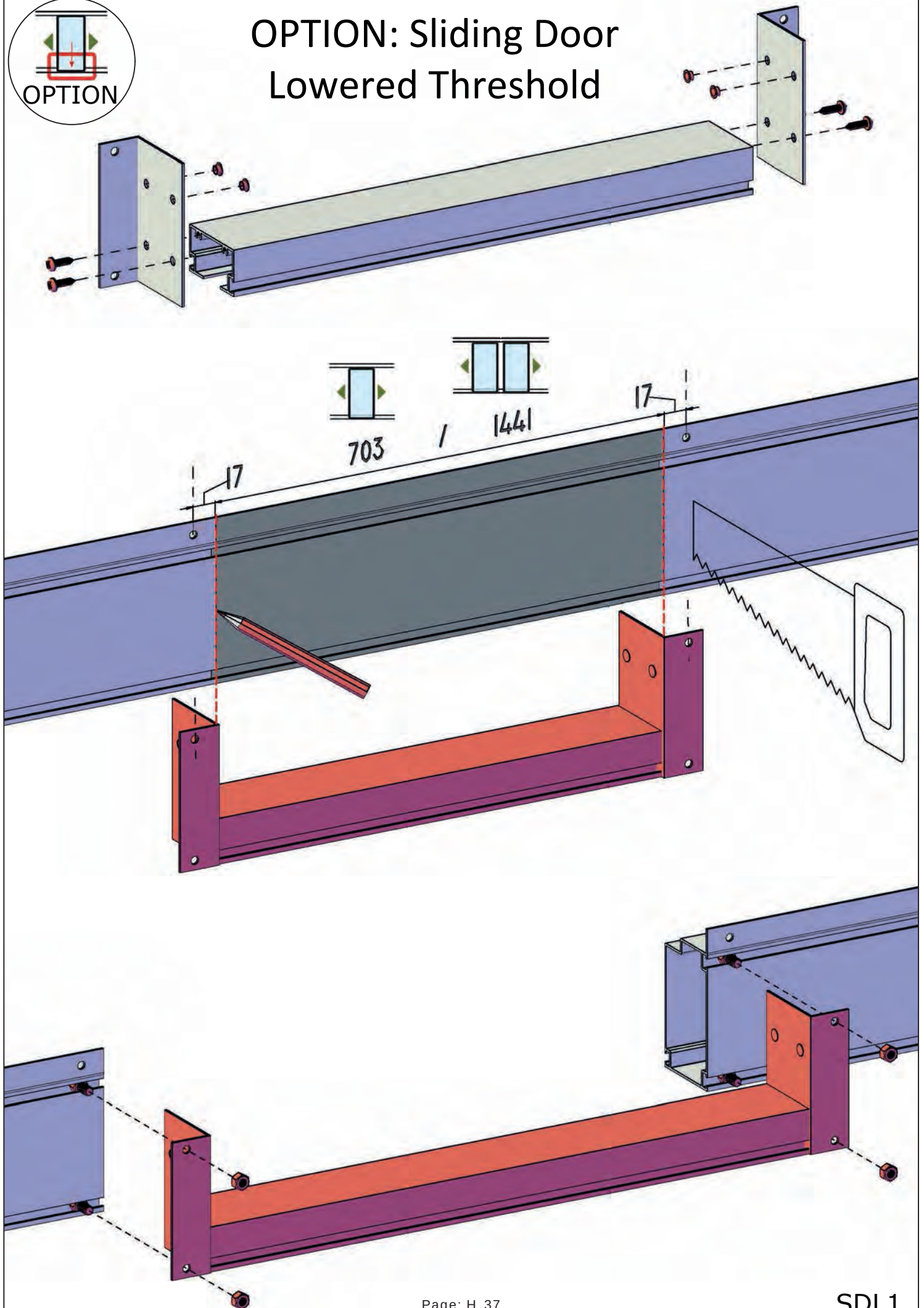
As needed, use washer underneath door hanger to level the door .



Add L bracket to close the gap between the doors where they meet.

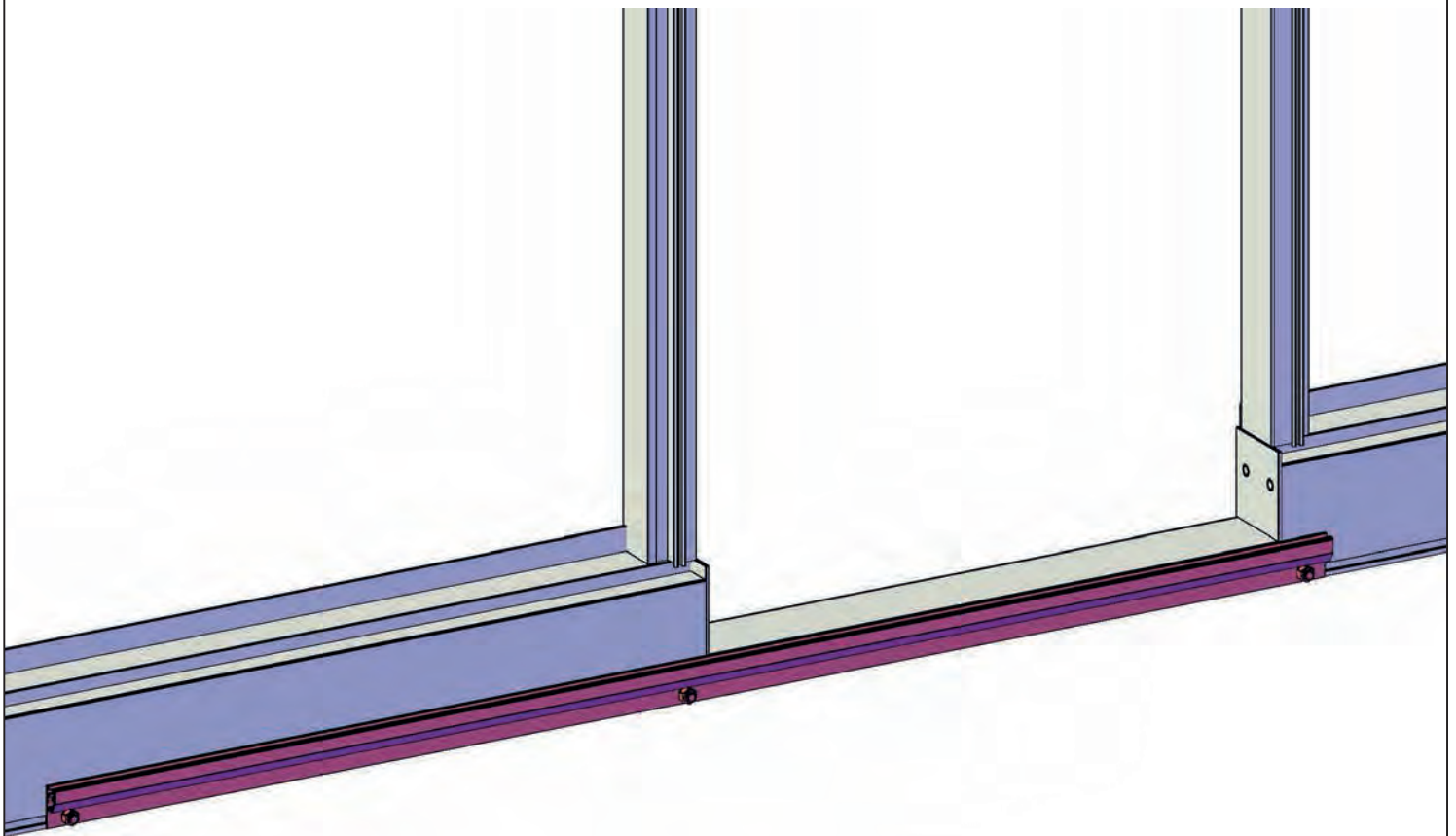
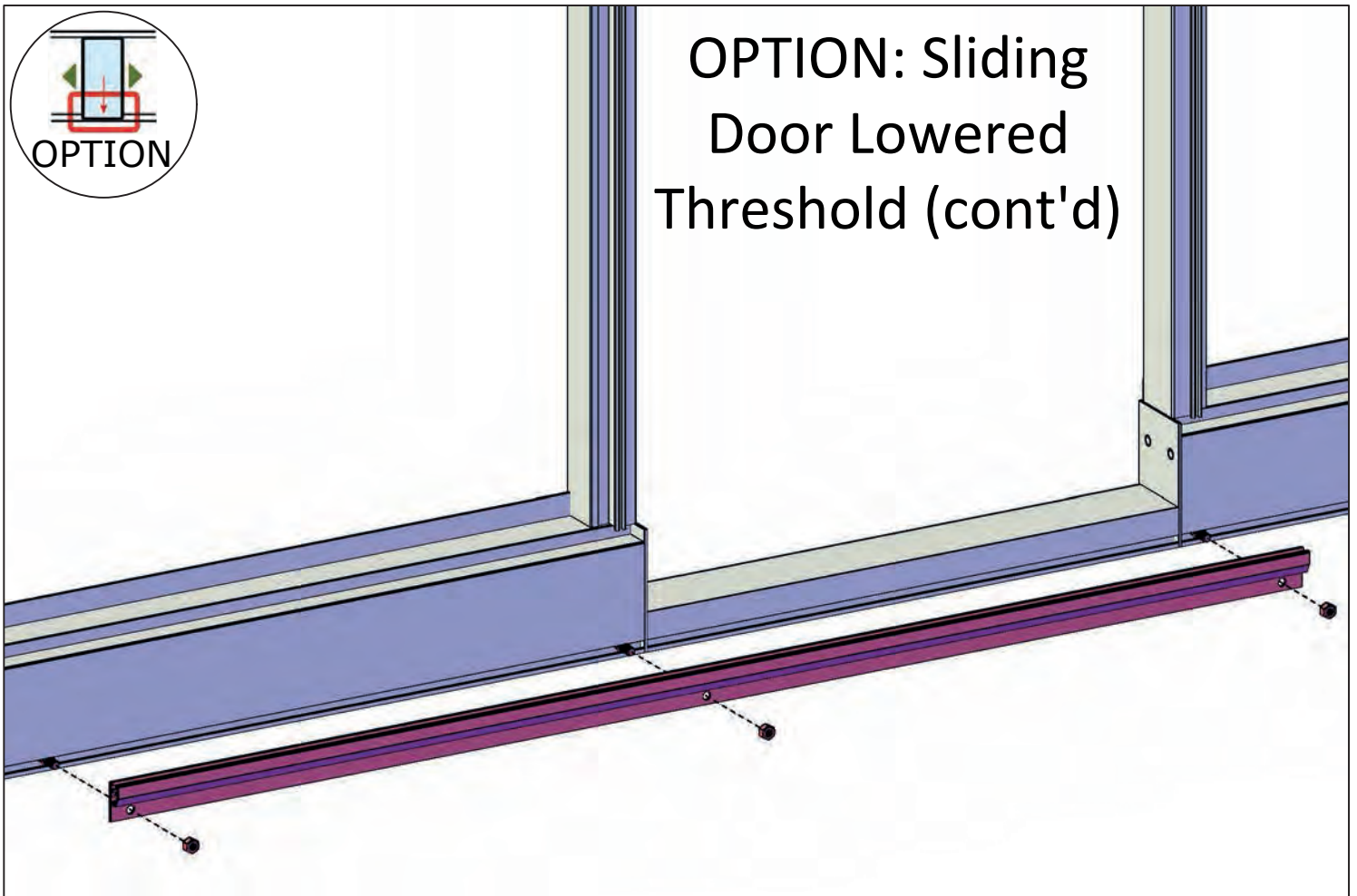


OPTION: Sliding Door Lowered Threshold

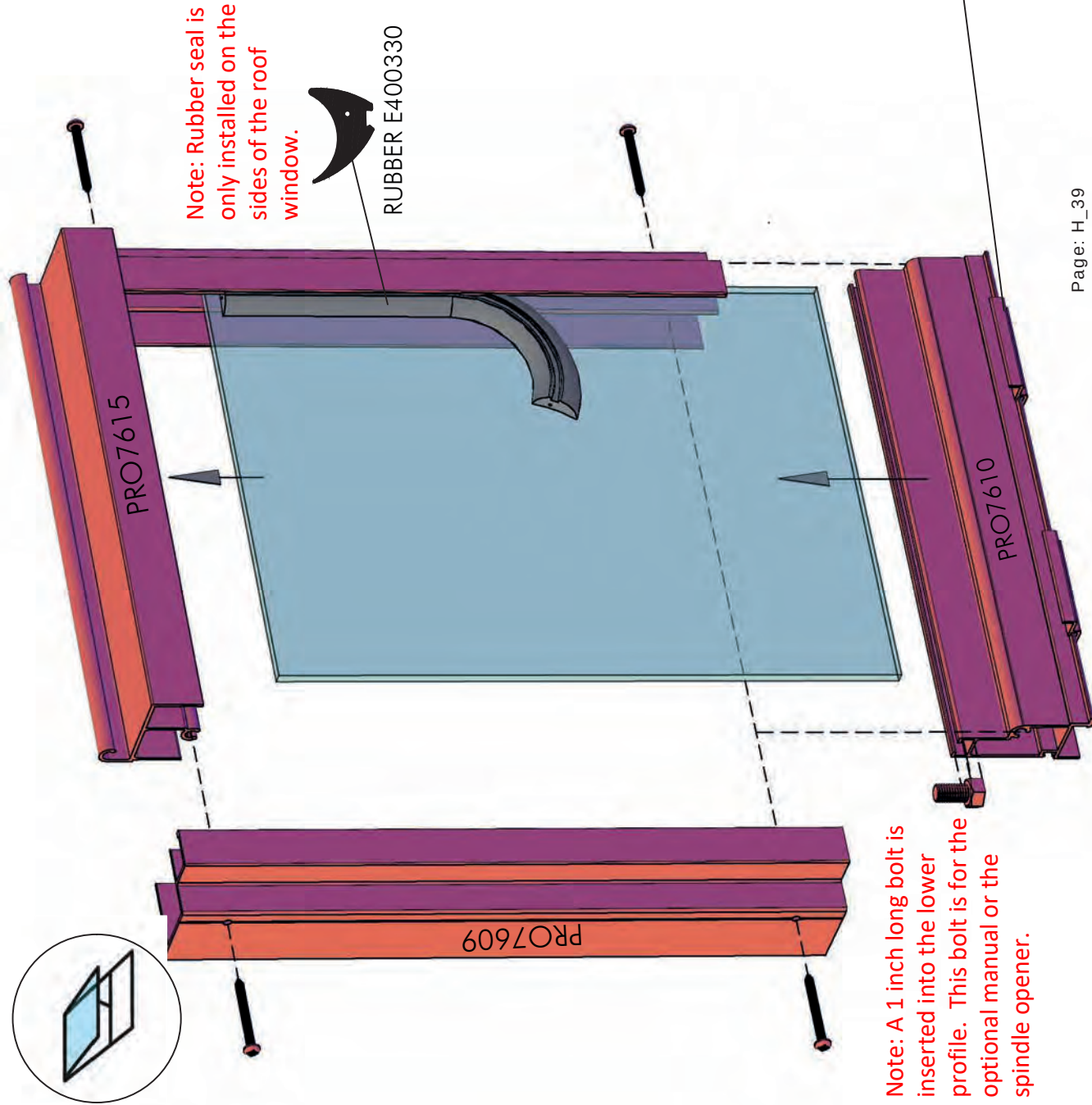
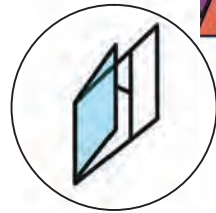




OPTION: Sliding Door Lowered Threshold (cont'd)



Roof window - all hardware is in roof window package



Note: Rubber seal is only installed on the sides of the roof window.

RUBBER E400330

4mm GLASS

PRO20780

2 PCS

100

100

Note: A 1 inch long bolt is inserted into the lower profile. This bolt is for the optional manual or the spindle opener.

Roof Window Installation

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.

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.

Note: Inserting a bolt on either side of the roof window will prevent it from moving side to side .

Page: H_40

Roof Window Installation

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.

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.

Note: Inserting a bolt on either side of the roof window will prevent it from moving side to side .

Page: H_40

Roof Window Installation

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.

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.
Note: Inserting a bolt on either side of the roof window will prevent it from moving side to side .

Page: H_40

Roof Window Installation

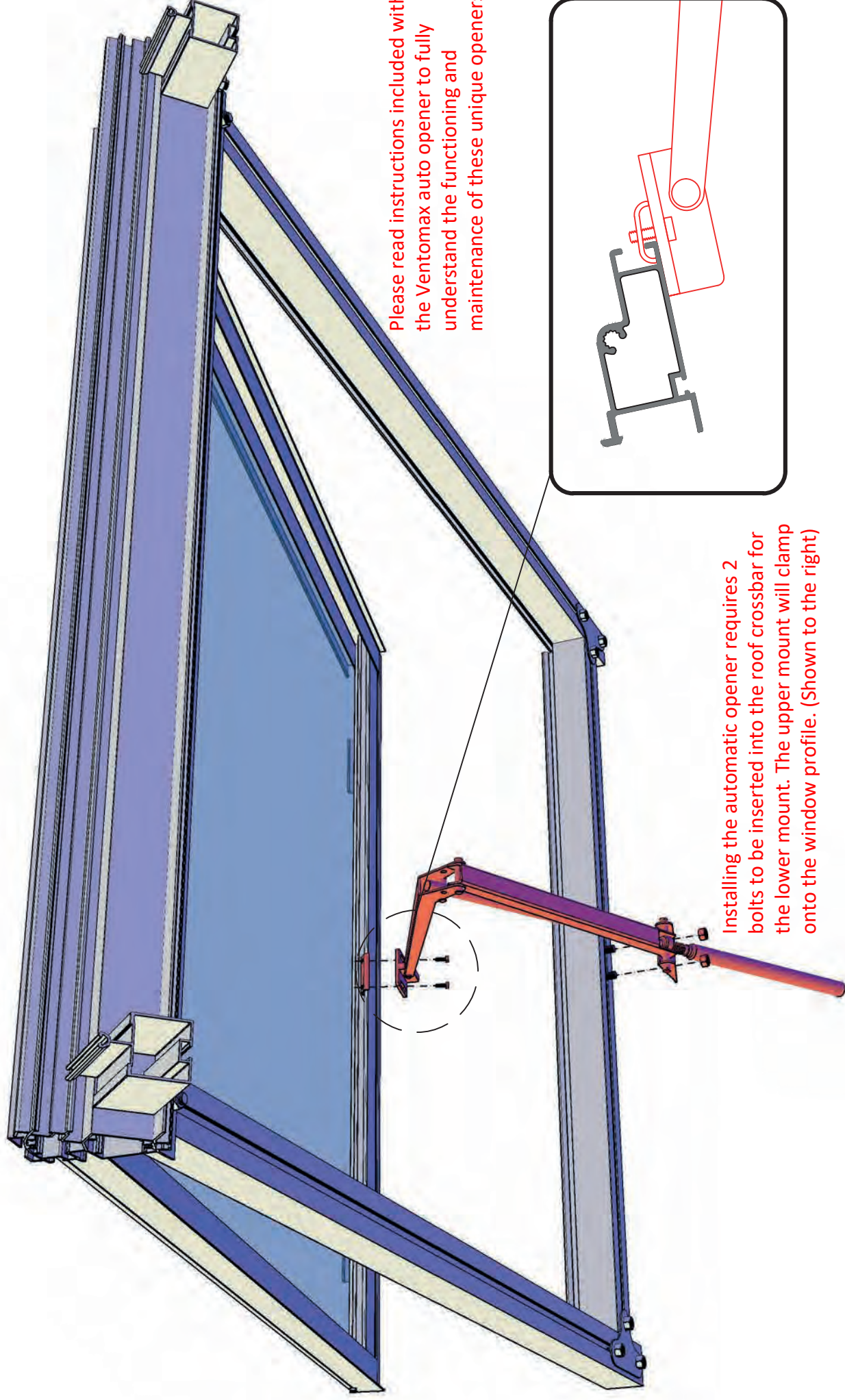
Standard manual opener shown (generally not installed). However, it may be used to secure the window in the closed position - auto opener MUST be detached.

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.

Note: Inserting a bolt on either side of the roof window will prevent it from moving side to side.

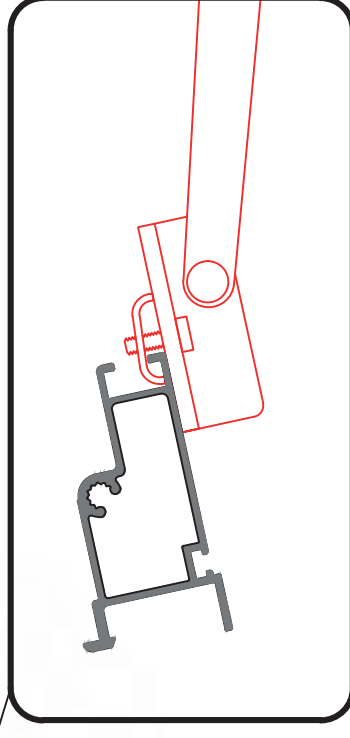
Page: H_40

OPTION: Auto Opener (Ventomax)

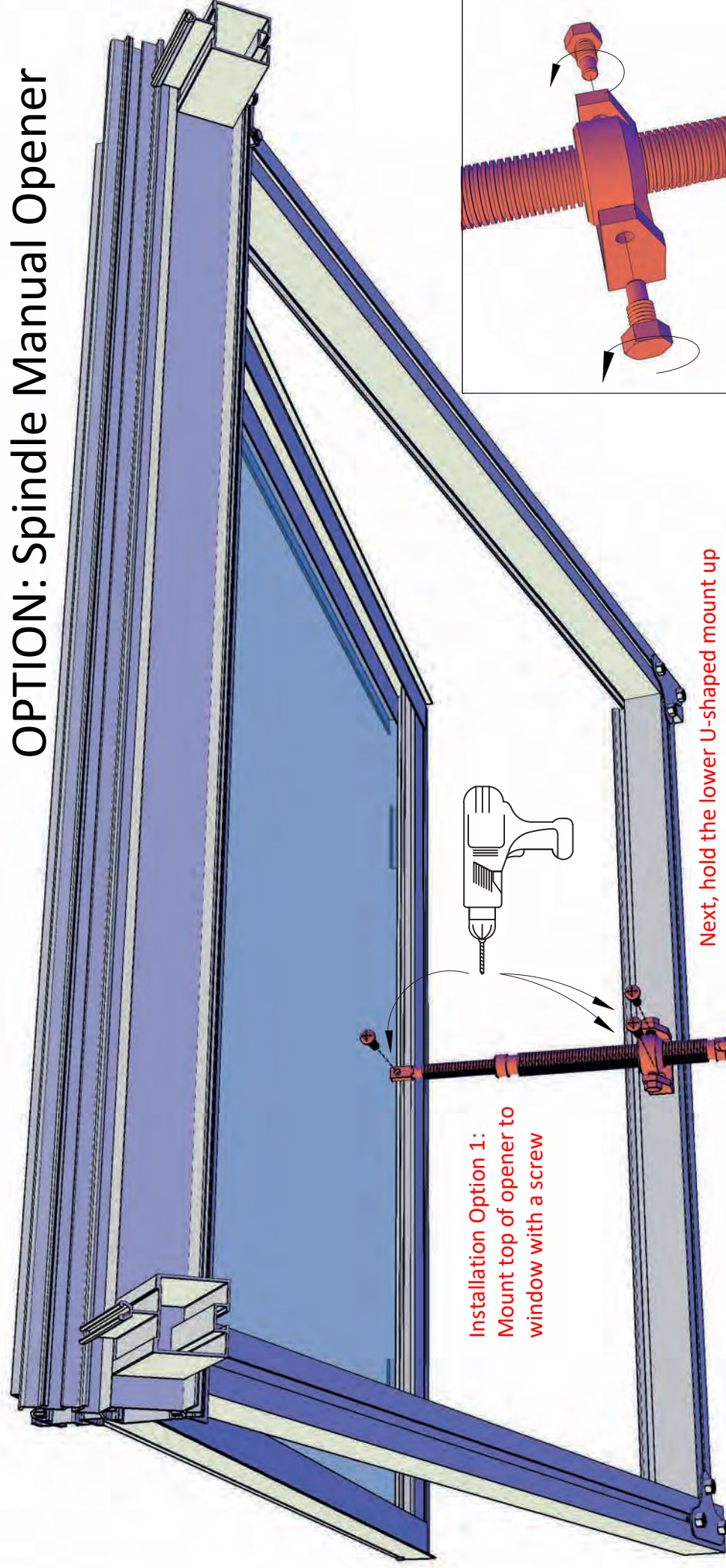


Please read instructions included with the Ventomax auto opener to fully understand the functioning and maintenance of these unique openers.

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)

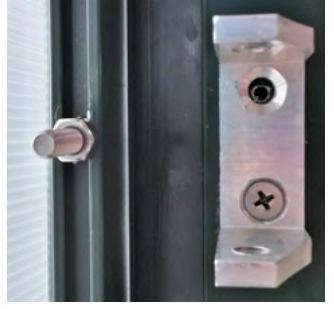


OPTION: Spindle Manual Opener

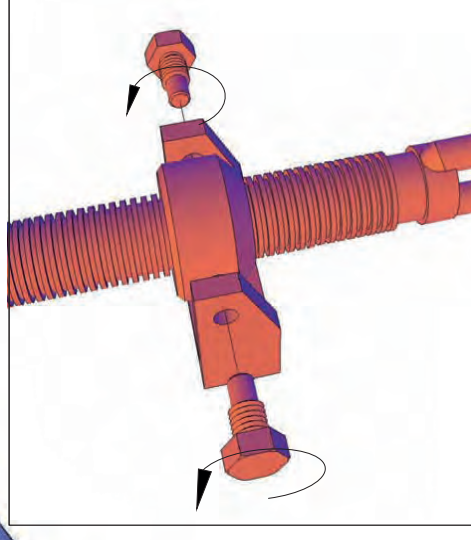


Installation Option 1:
Mount top of opener to
window with a screw

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.

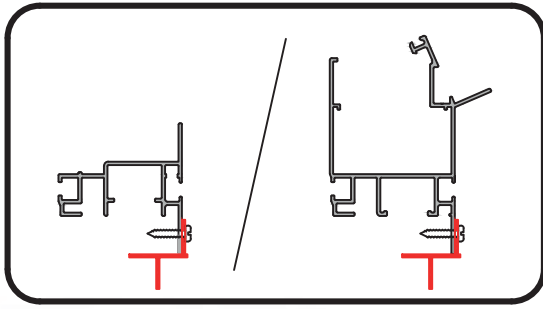


Louvre vent

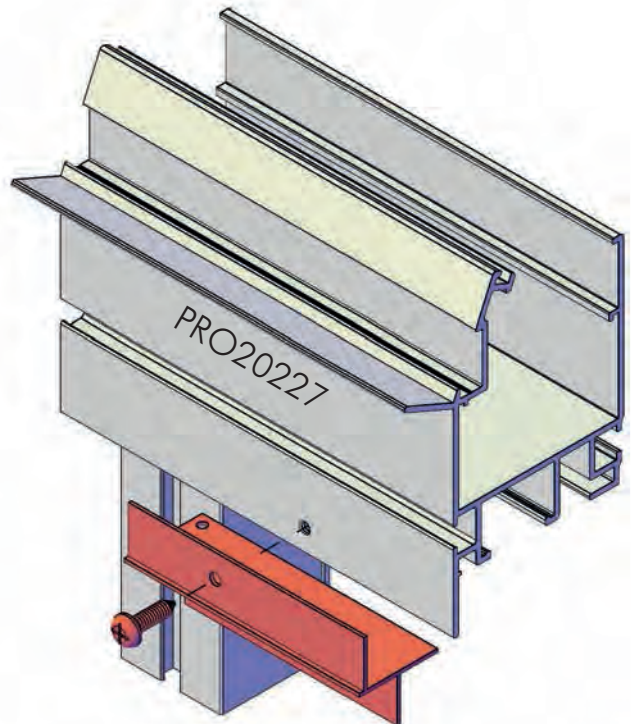
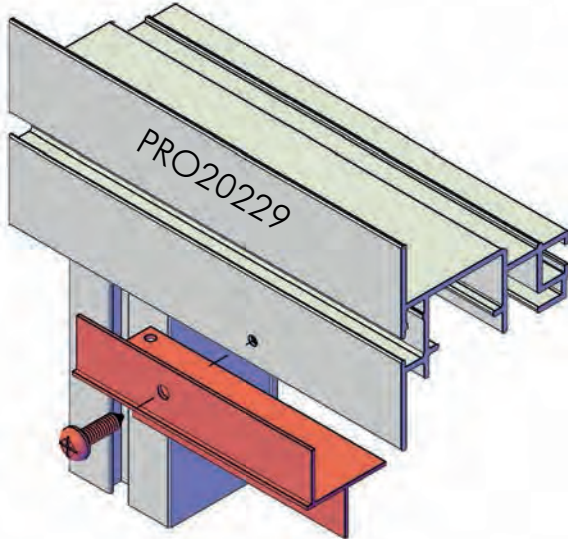


If your model is equipped with the louvre vent automatic opener please refer to the Installation and Care manual packaged with the opener. You will need to remove the manual opener following the directions.

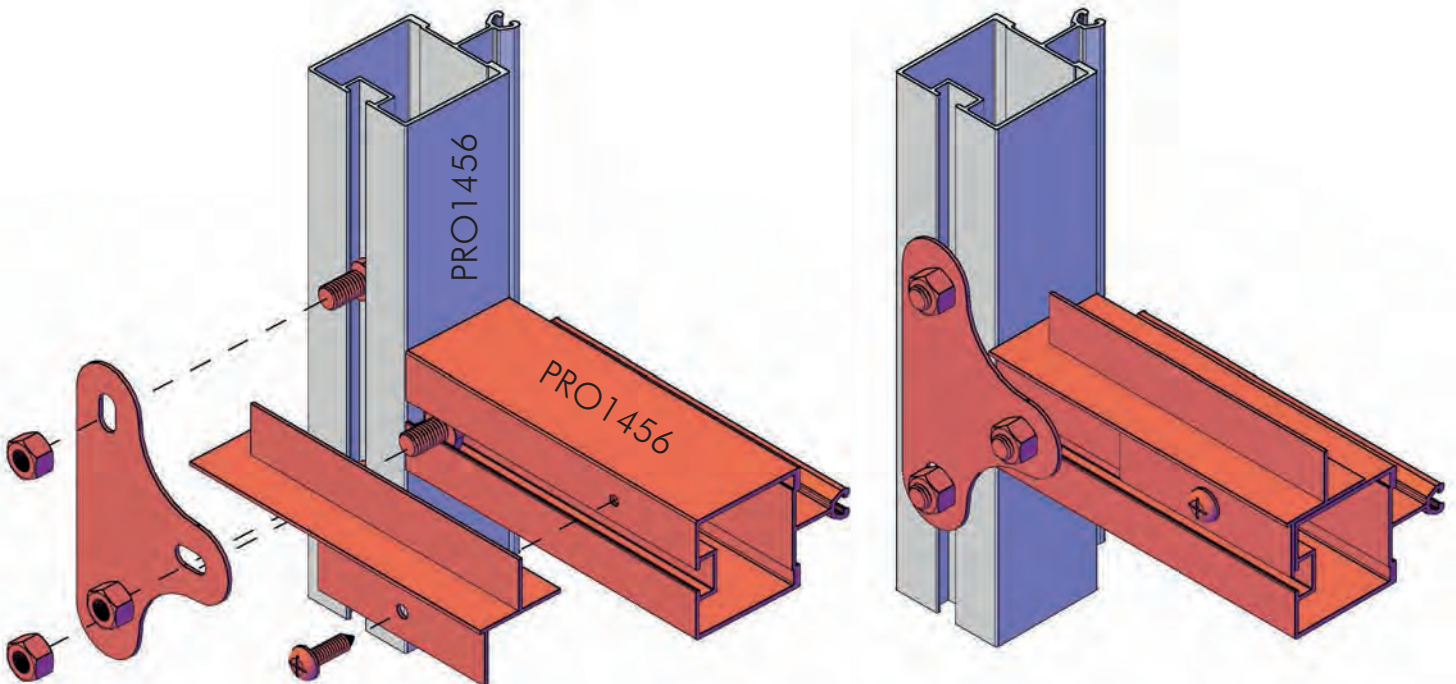
1



Louvre Vent (Cont'd)

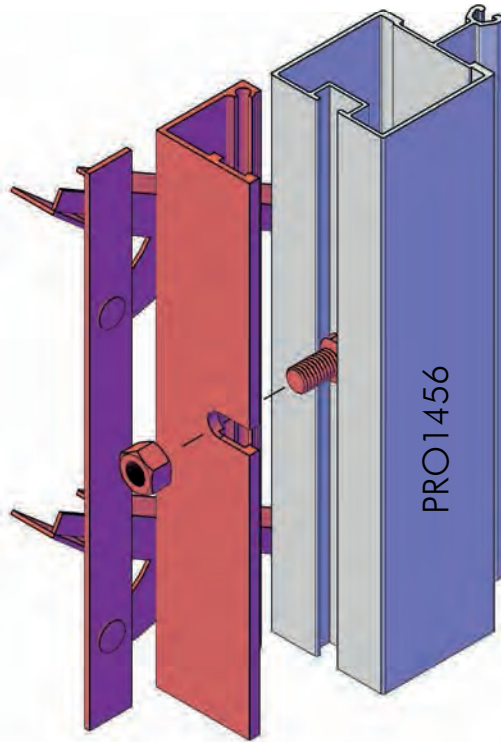


2



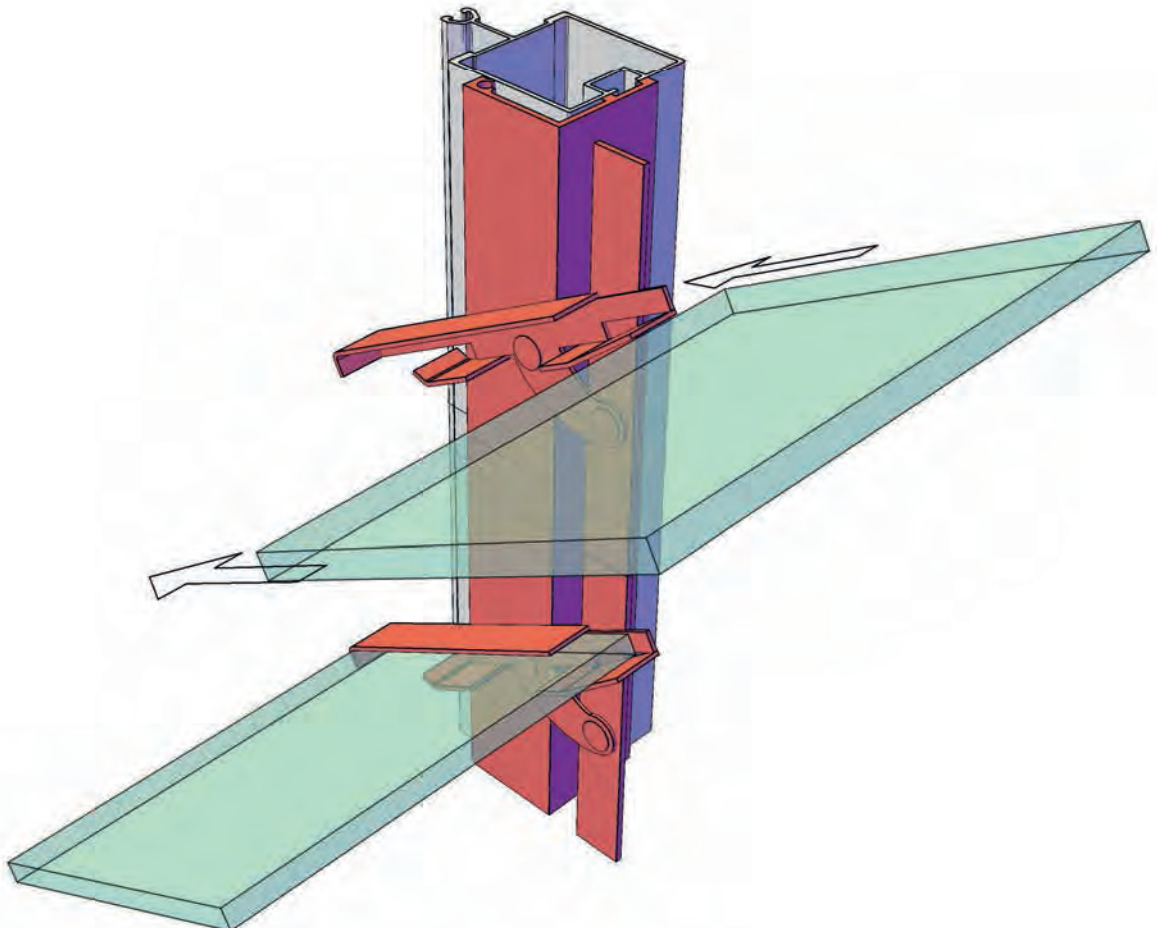
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Louvre Vent (Cont'd)

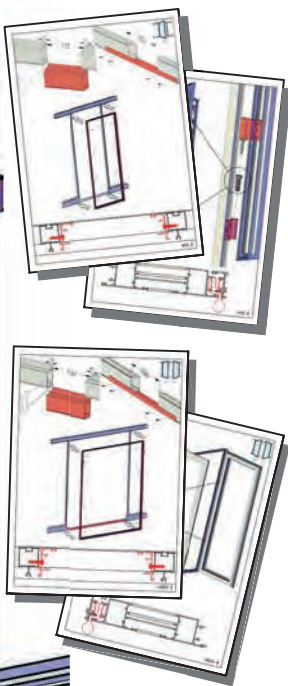
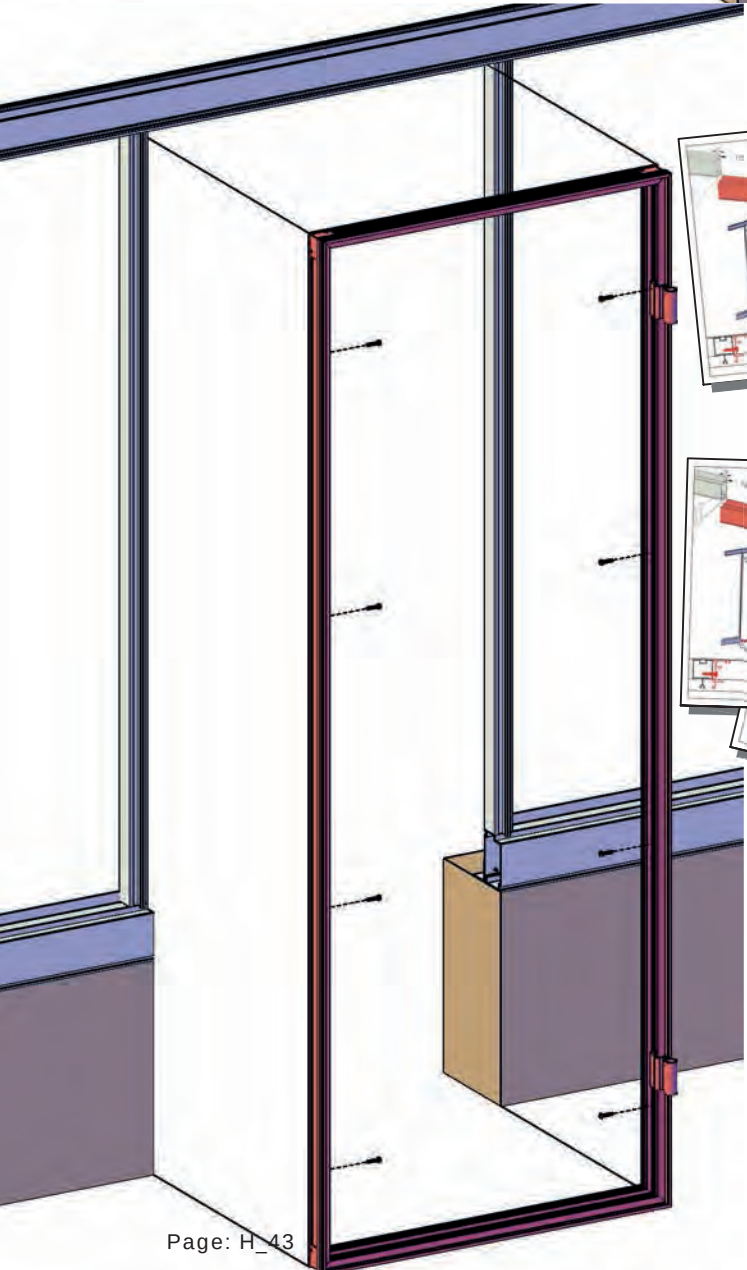
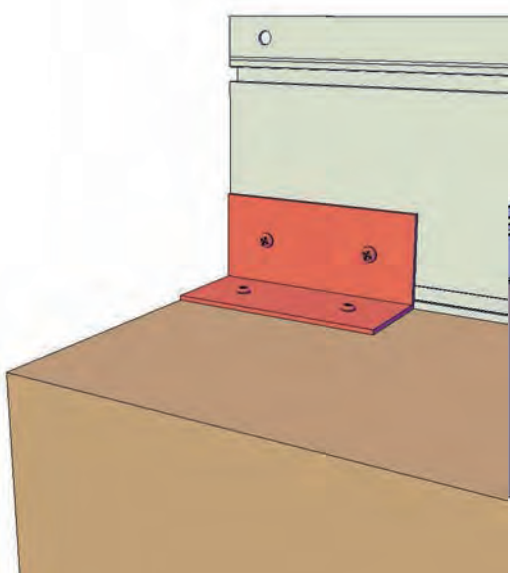
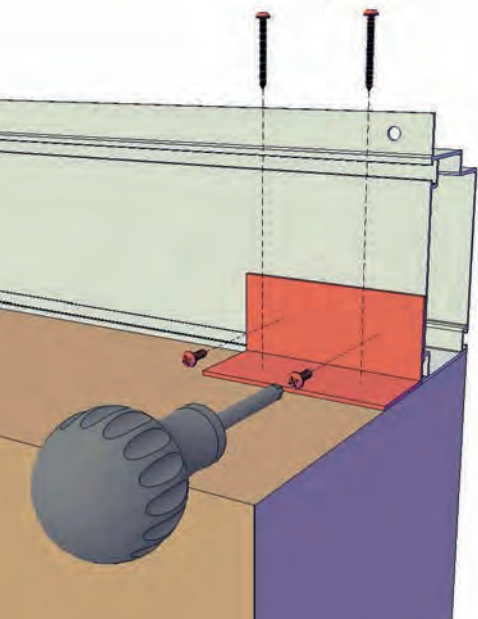
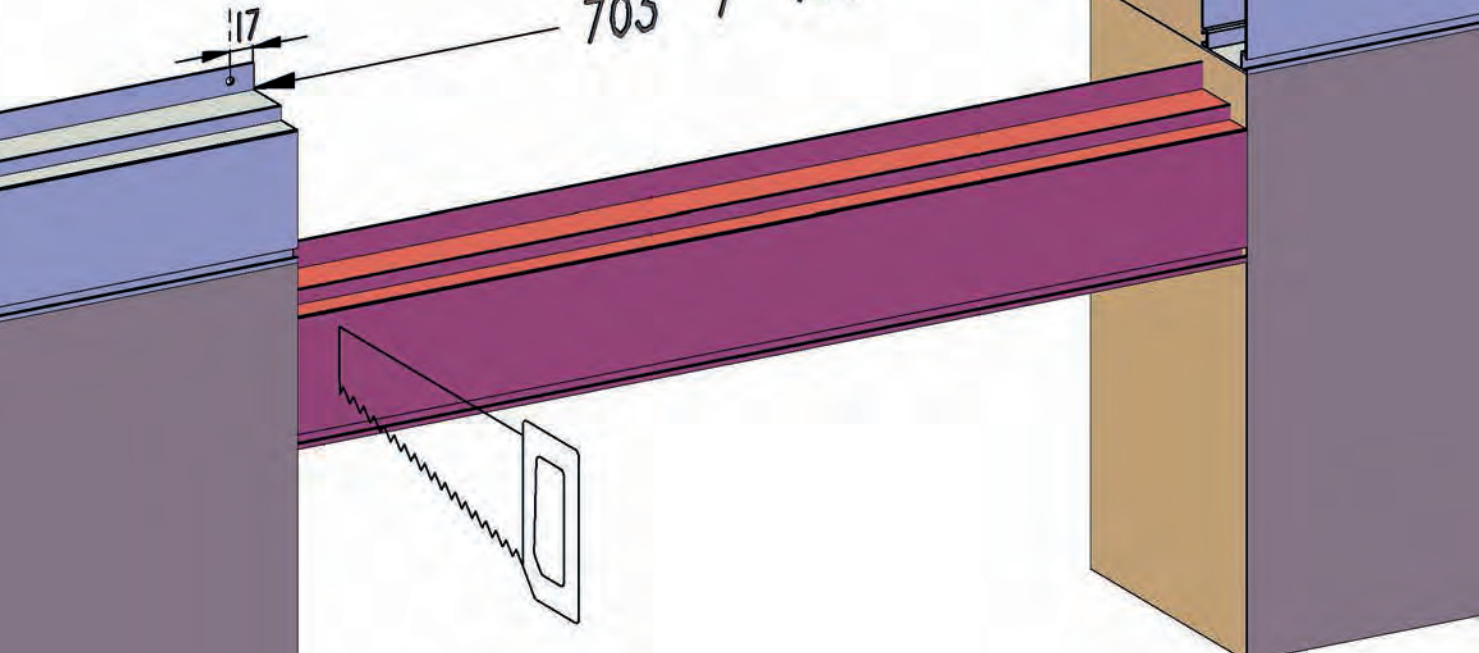
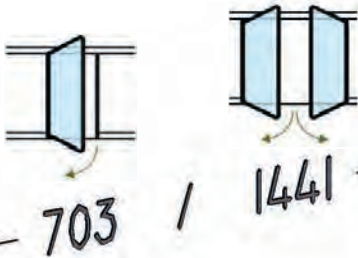


4X

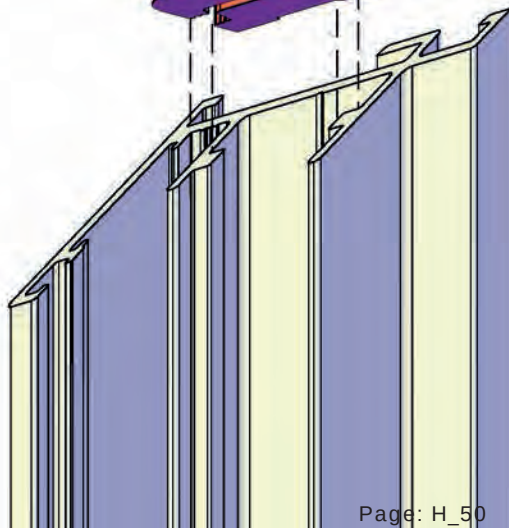
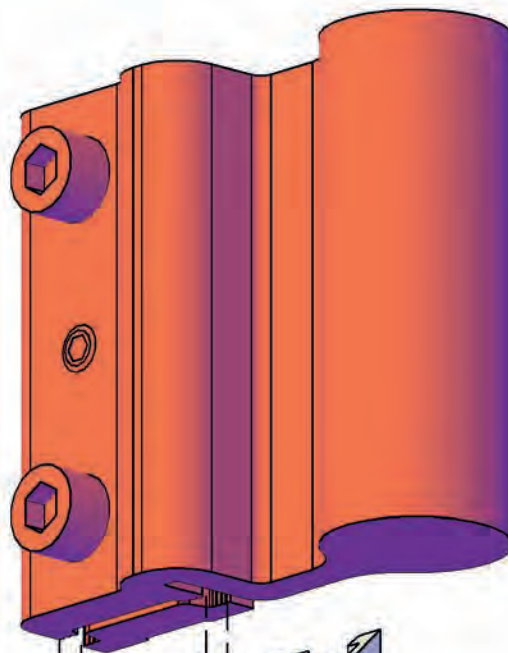
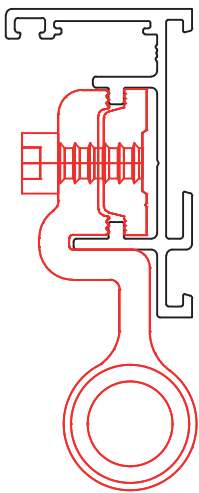
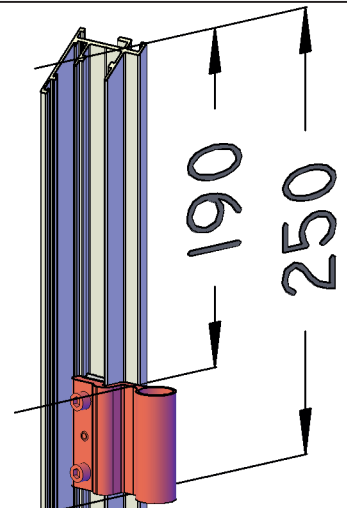
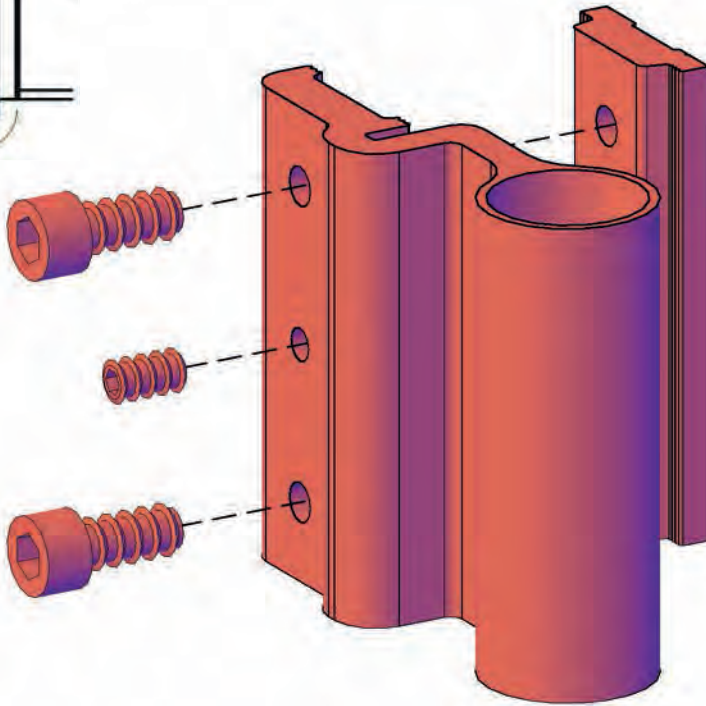
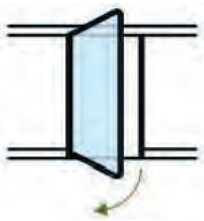
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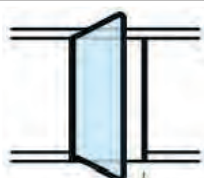
OPTION:
2020 Hinged Door



OPTION: 2020 Hinged Door



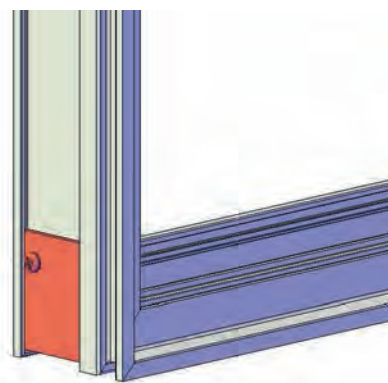
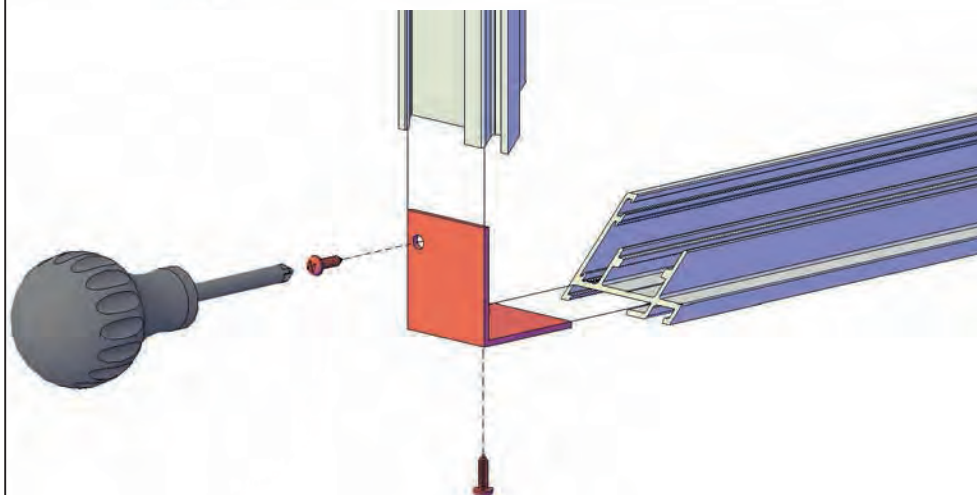
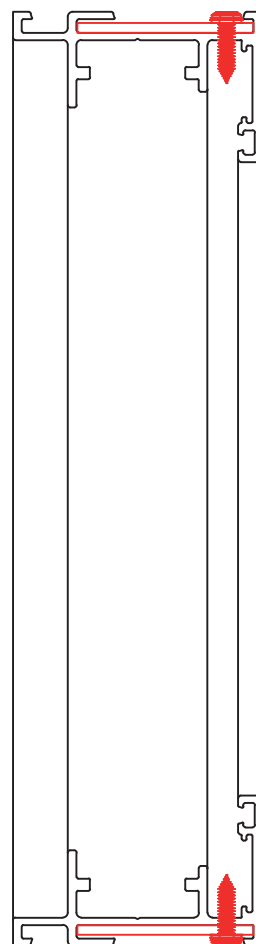
OPTION: 2020 Hinged Door

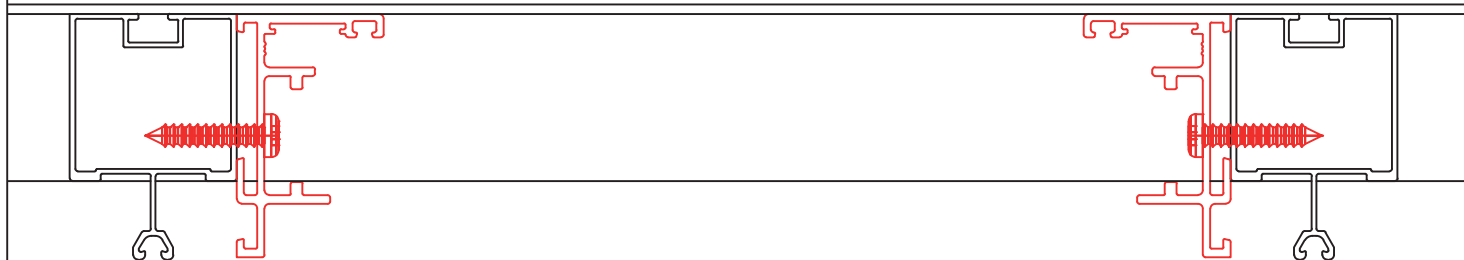
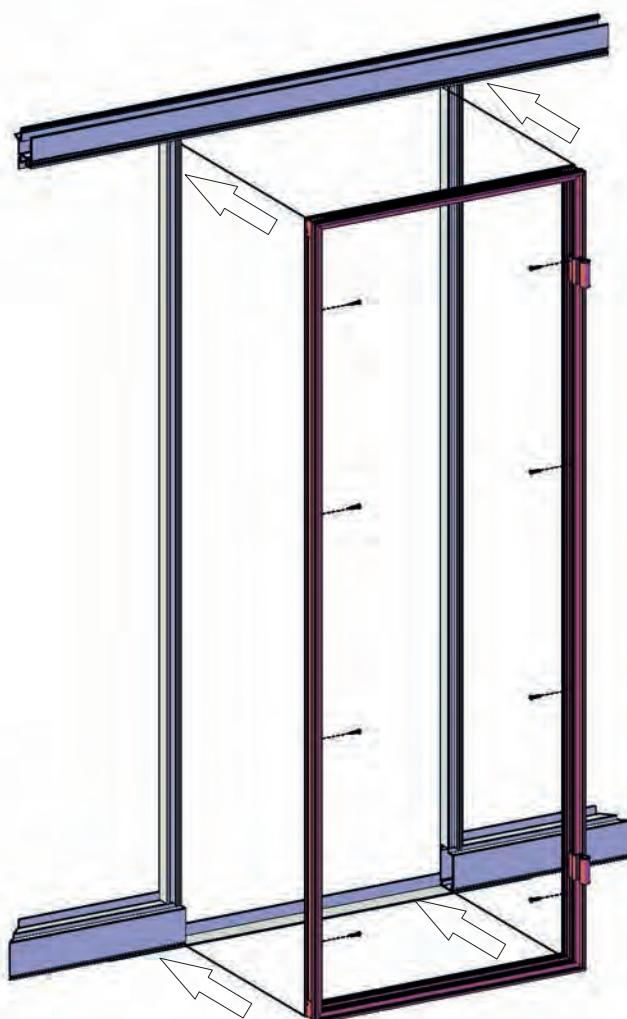
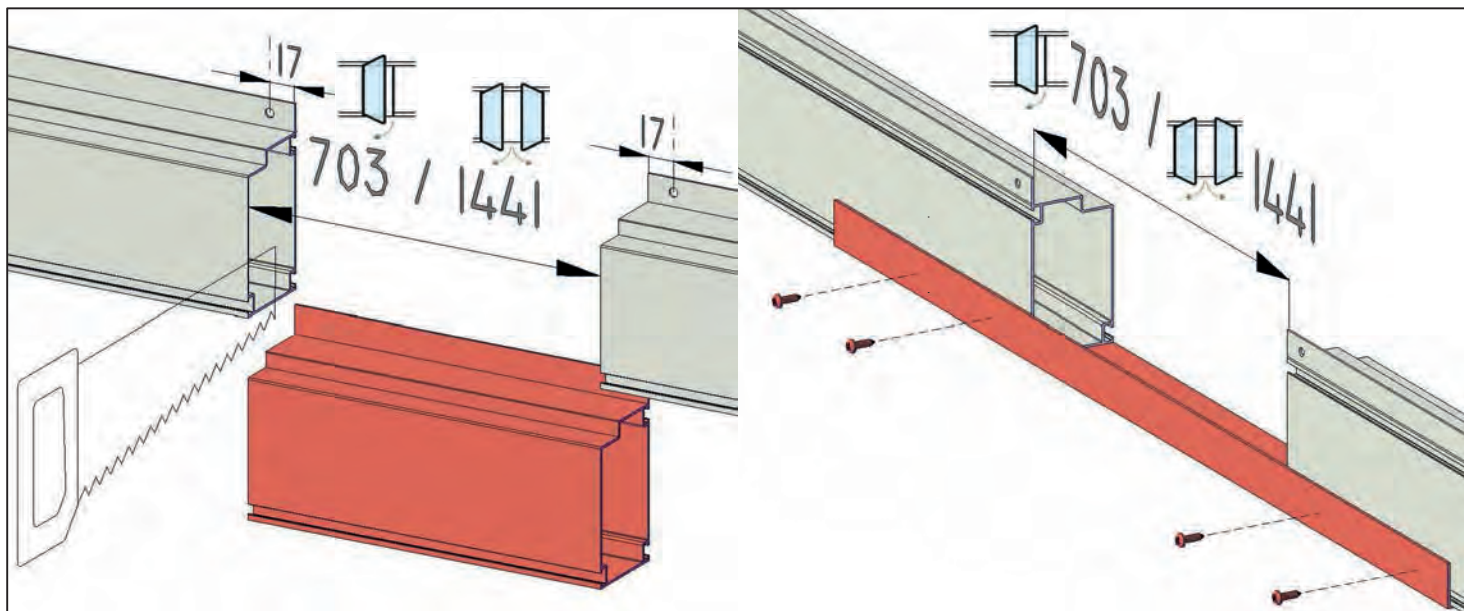


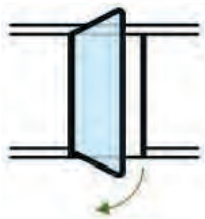
Single
Door



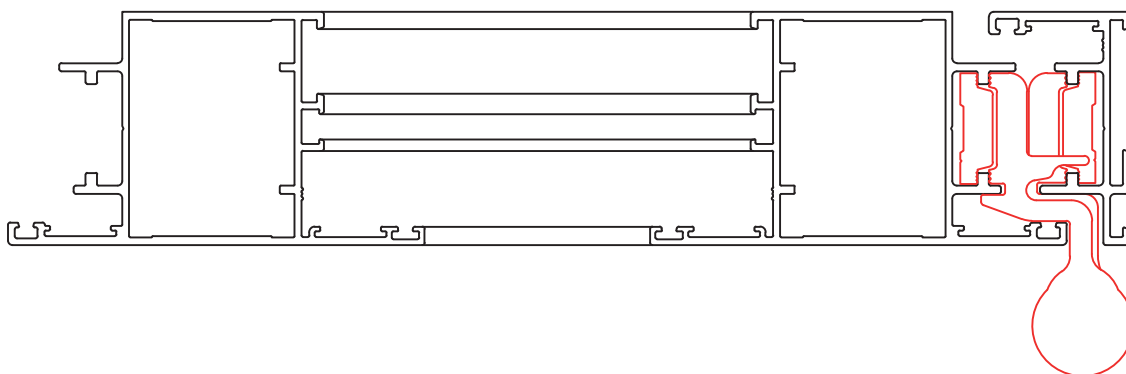
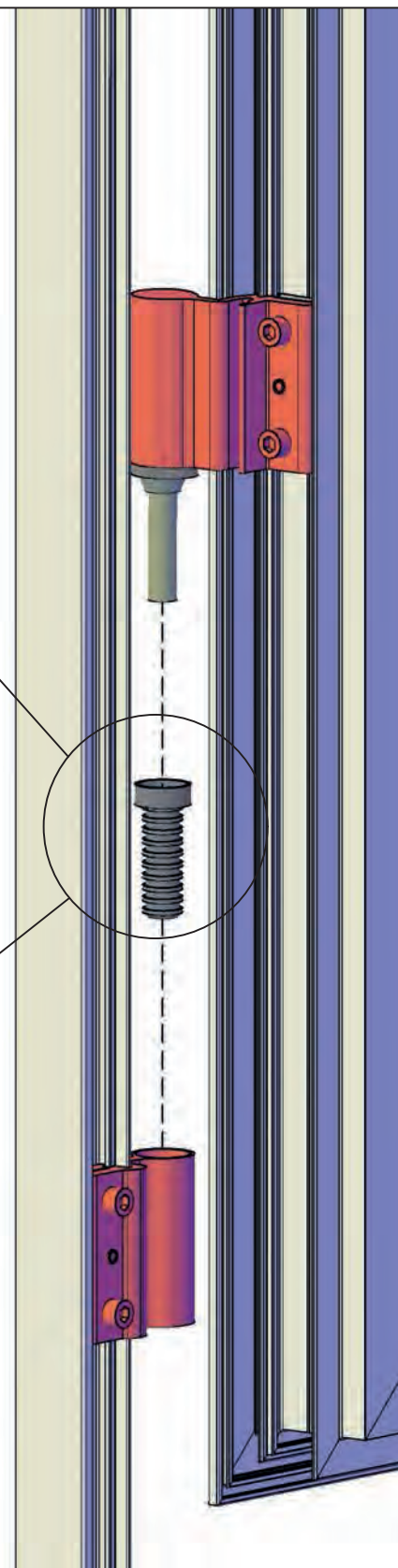
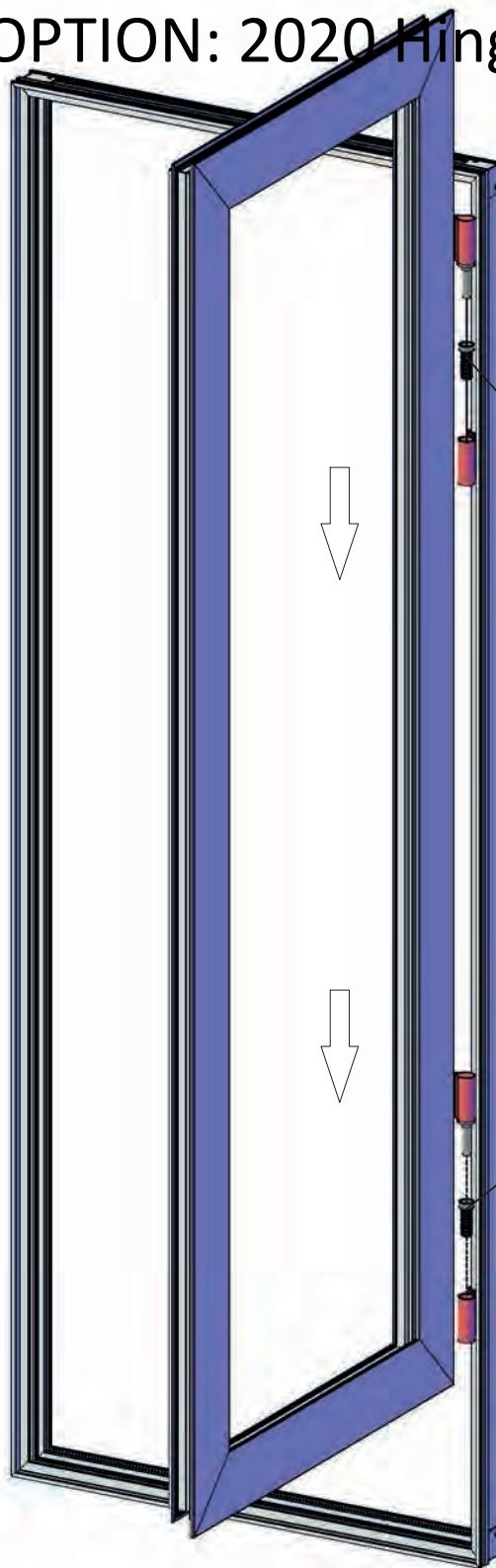
	ITEM	PC.	L
L	L 40X40	4 PC	36 MM
	PR06280	2 PC	703 MM
	PR06280	2 PC	1.441 MM
	PR06280	2 PC	1.930 MM
	4,2 x 13	8 PC	





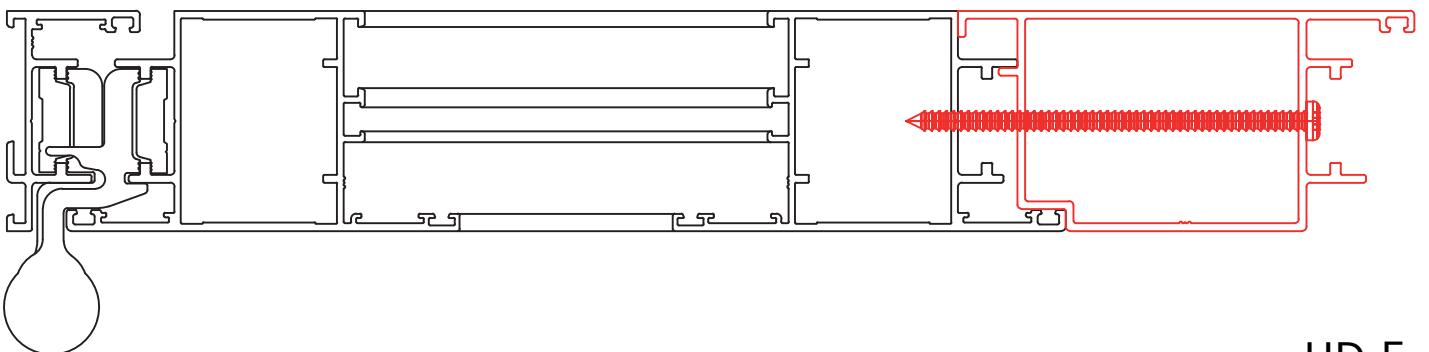


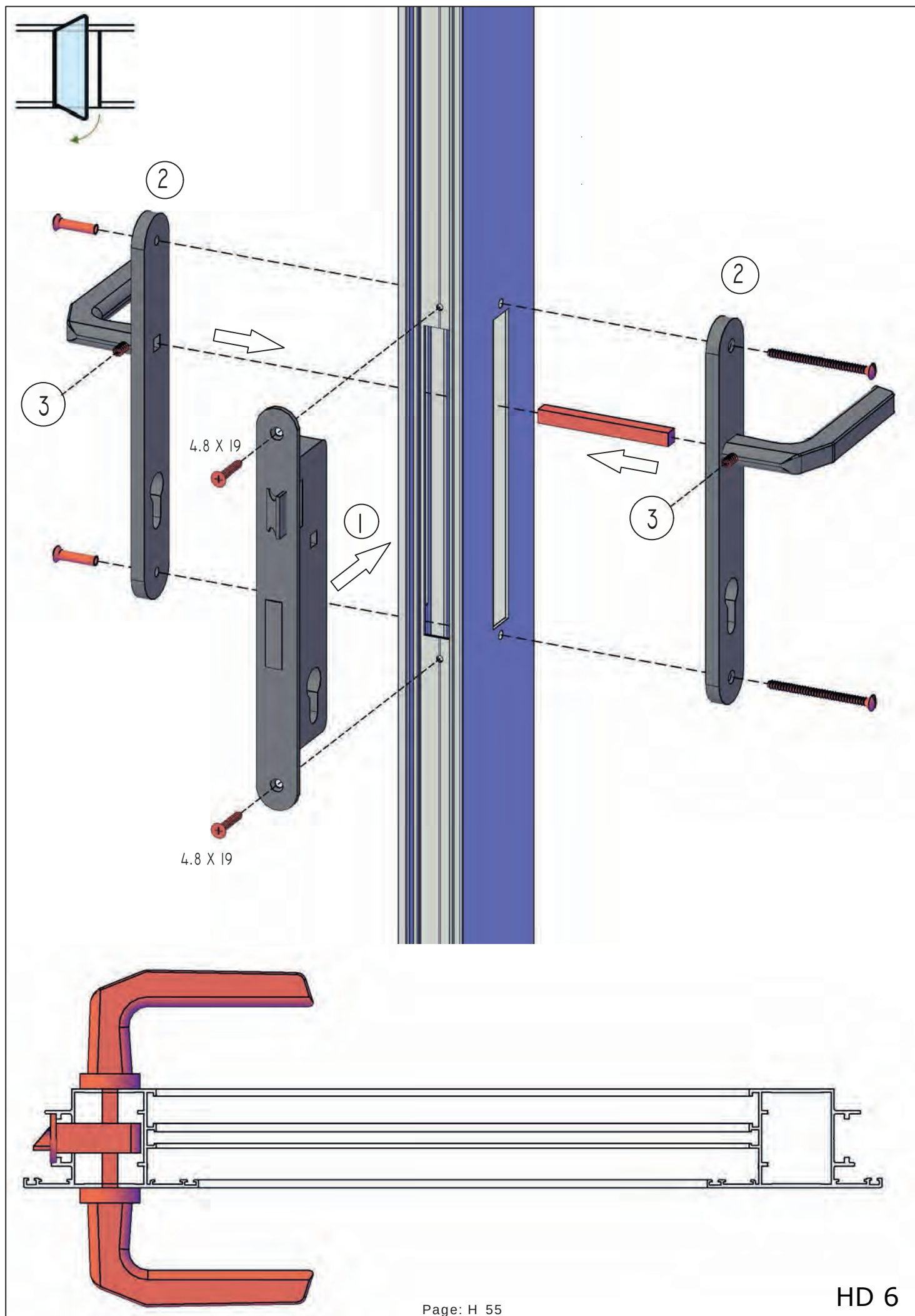
OPTION: 2020 Hinged Door

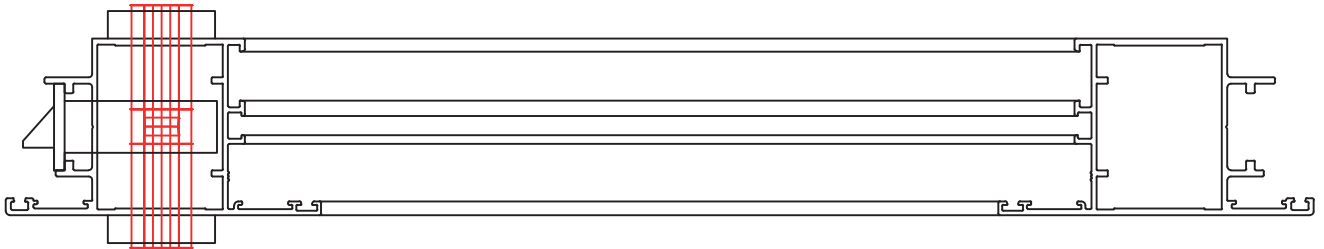
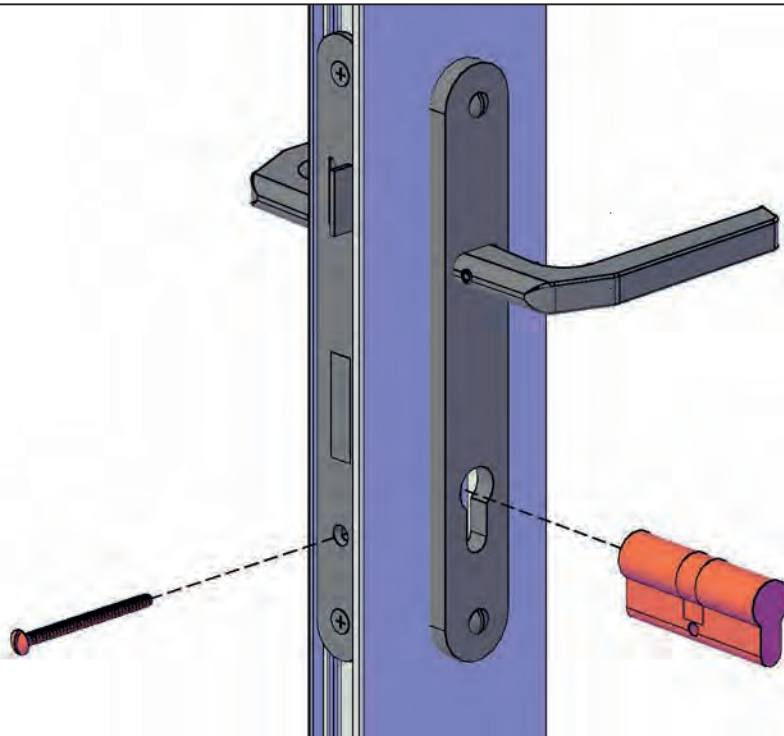
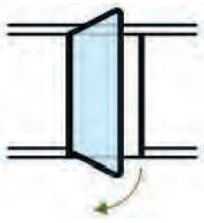




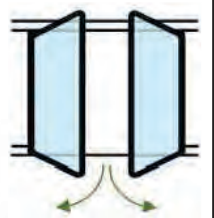
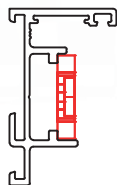
Double
Door



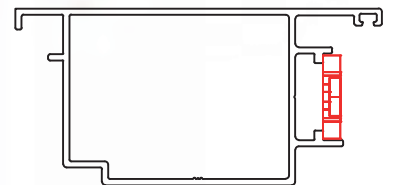


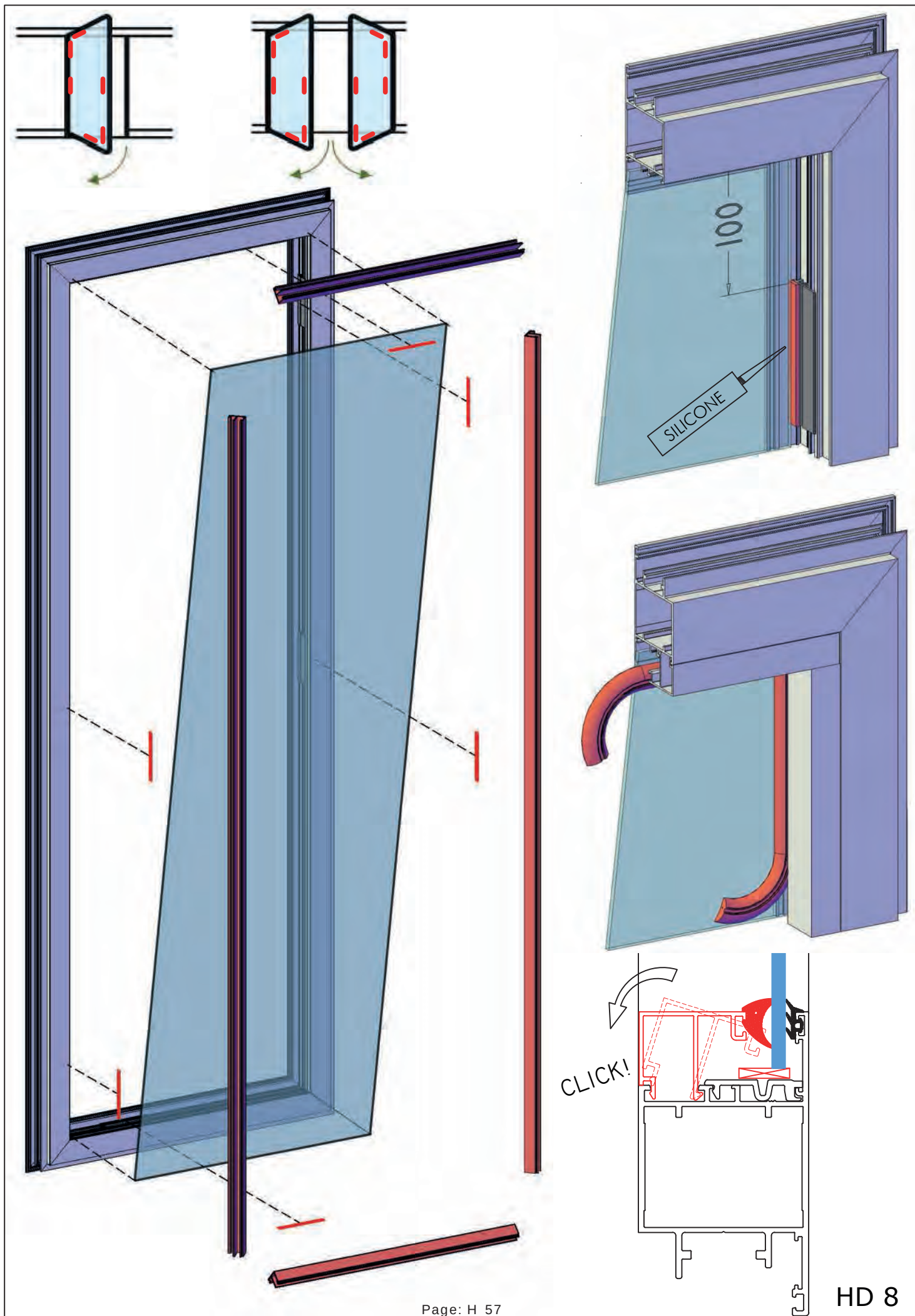


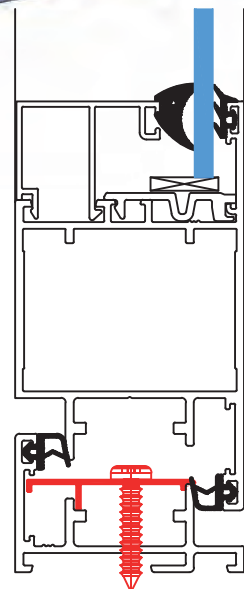
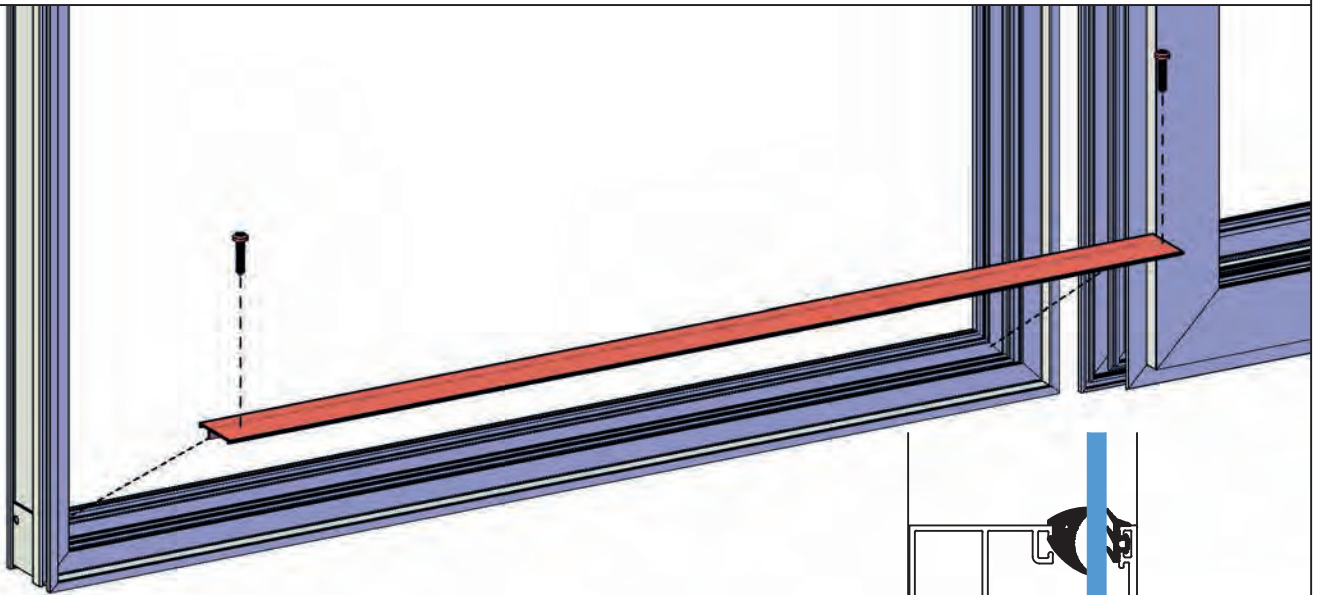
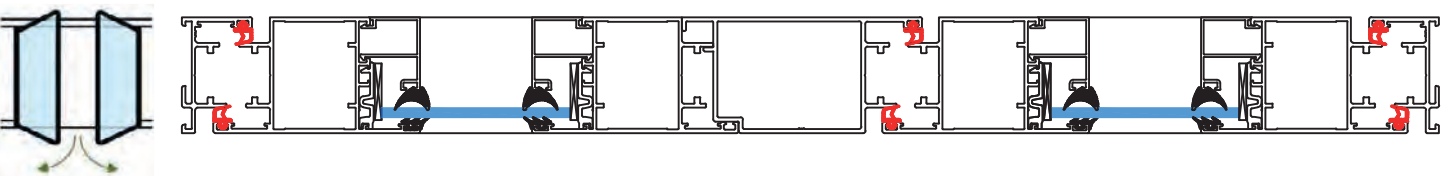
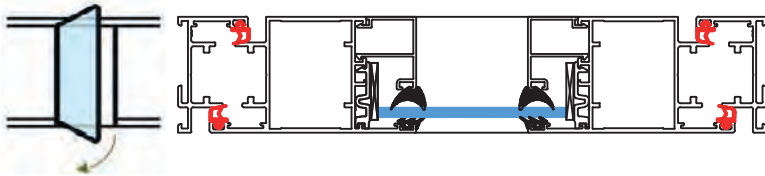
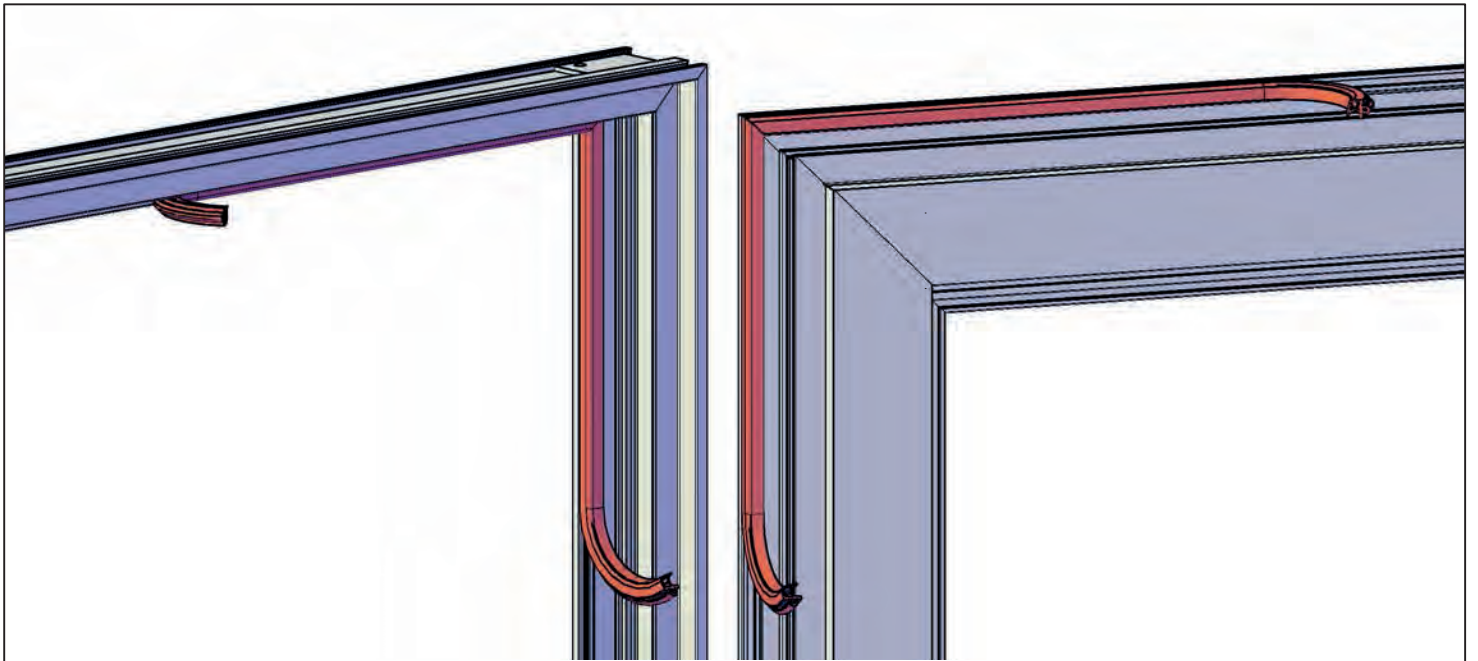
Single
Door

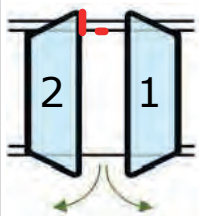


Double
Door

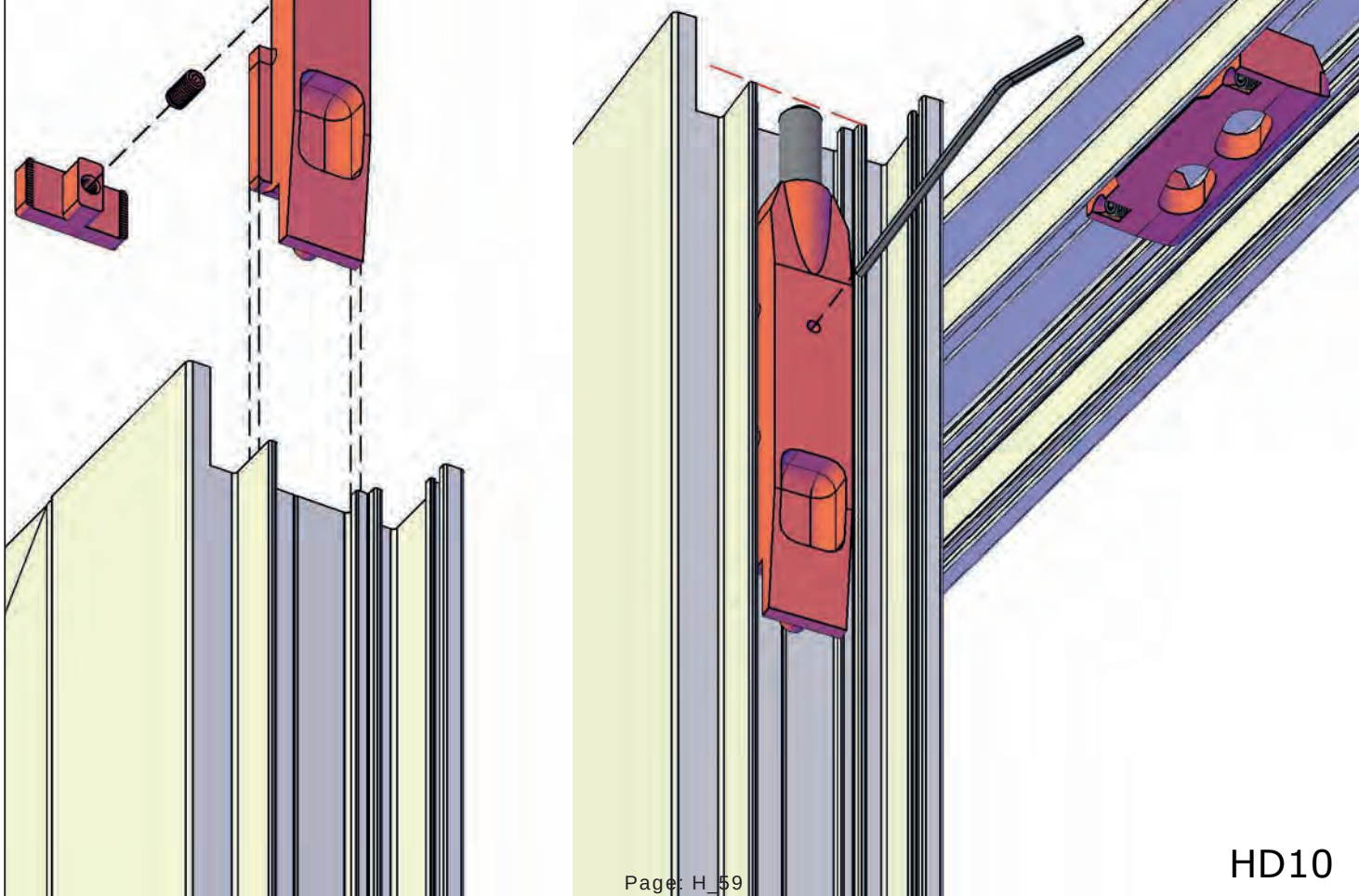
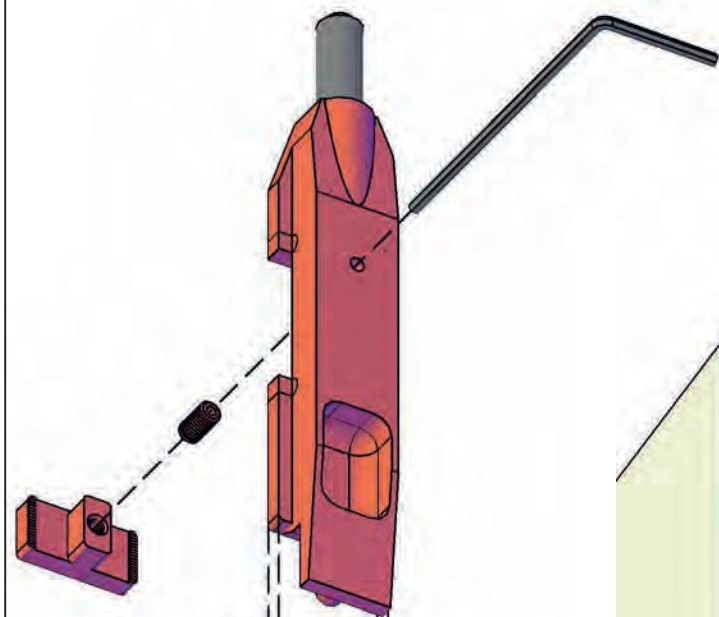
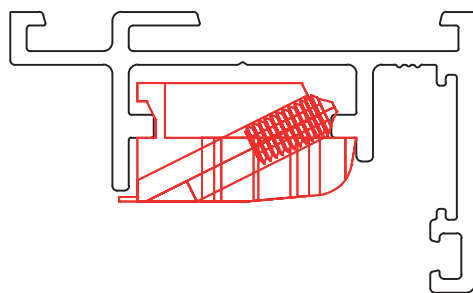
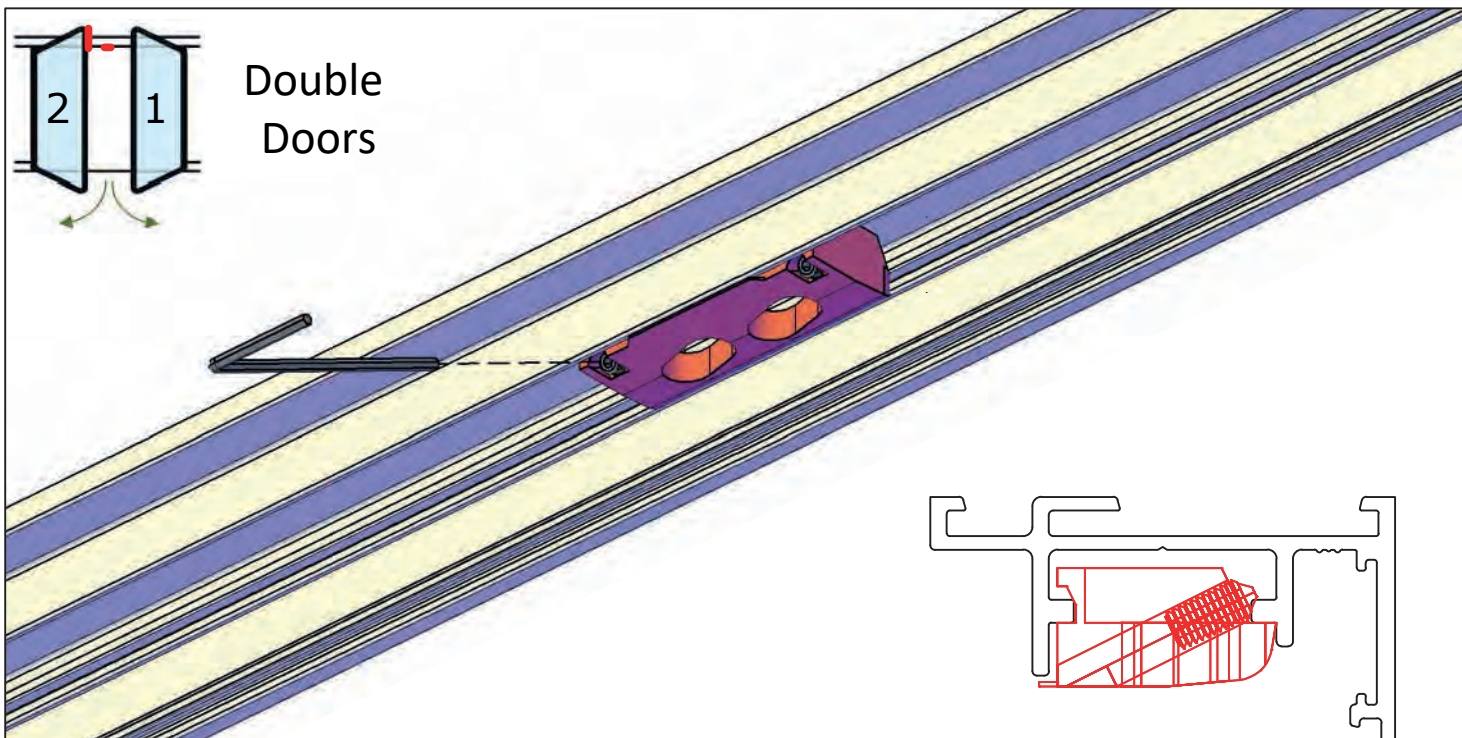




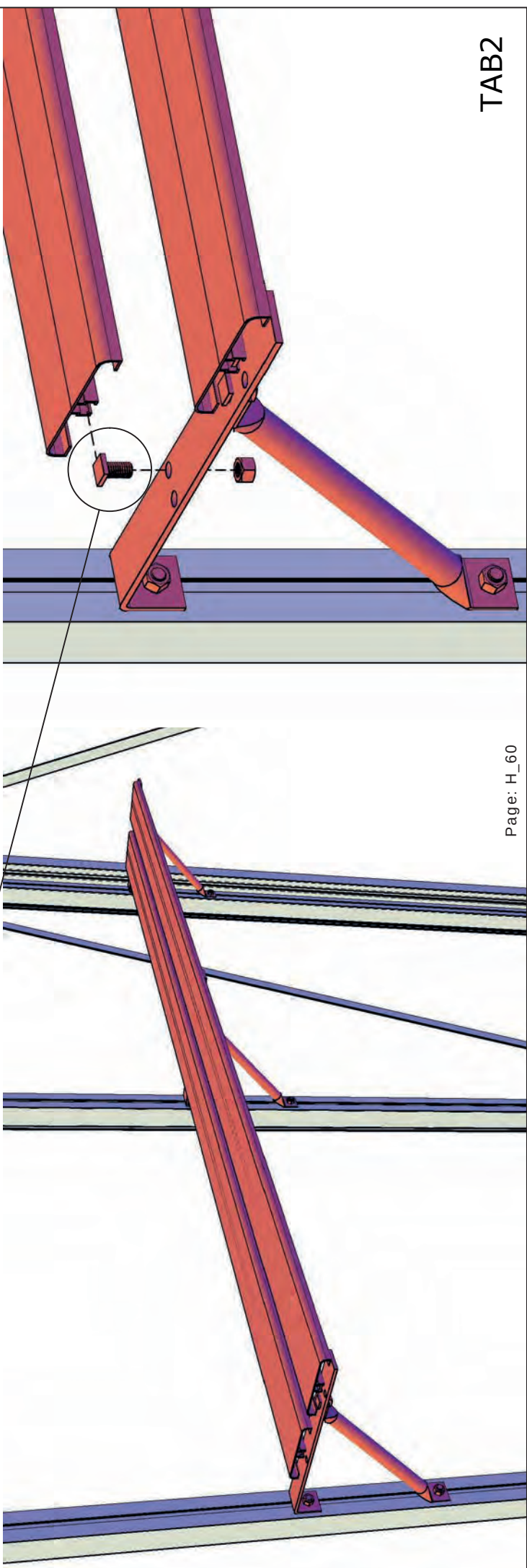
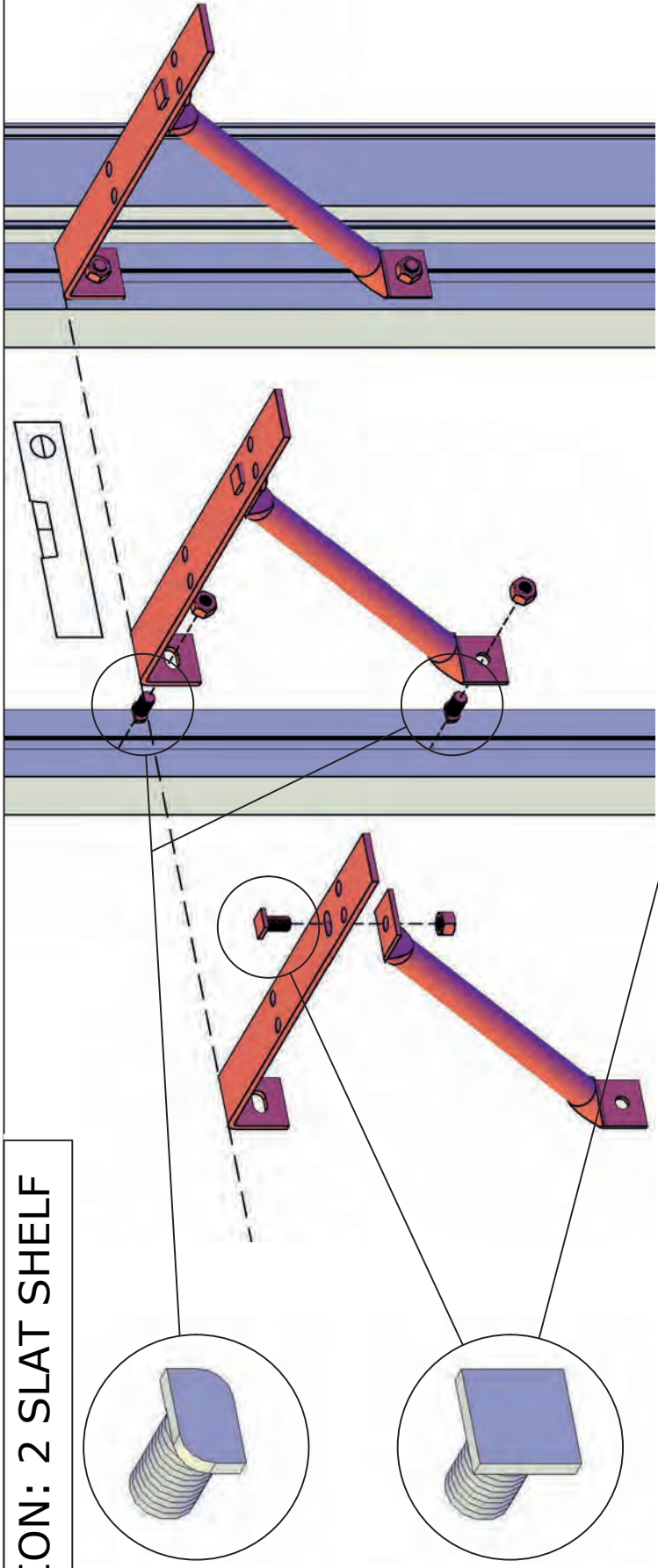




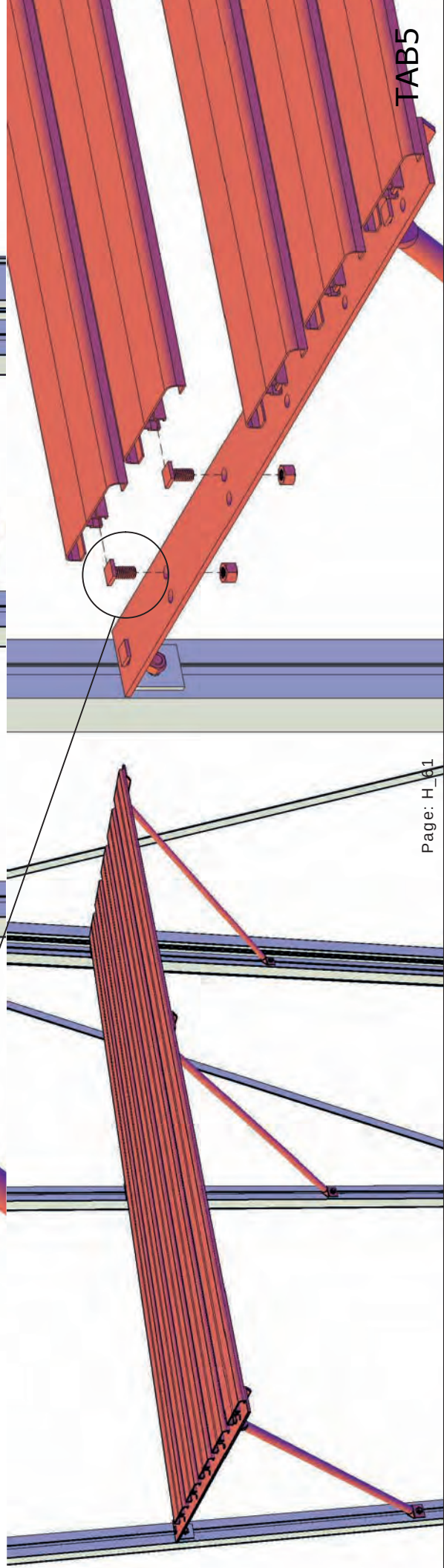
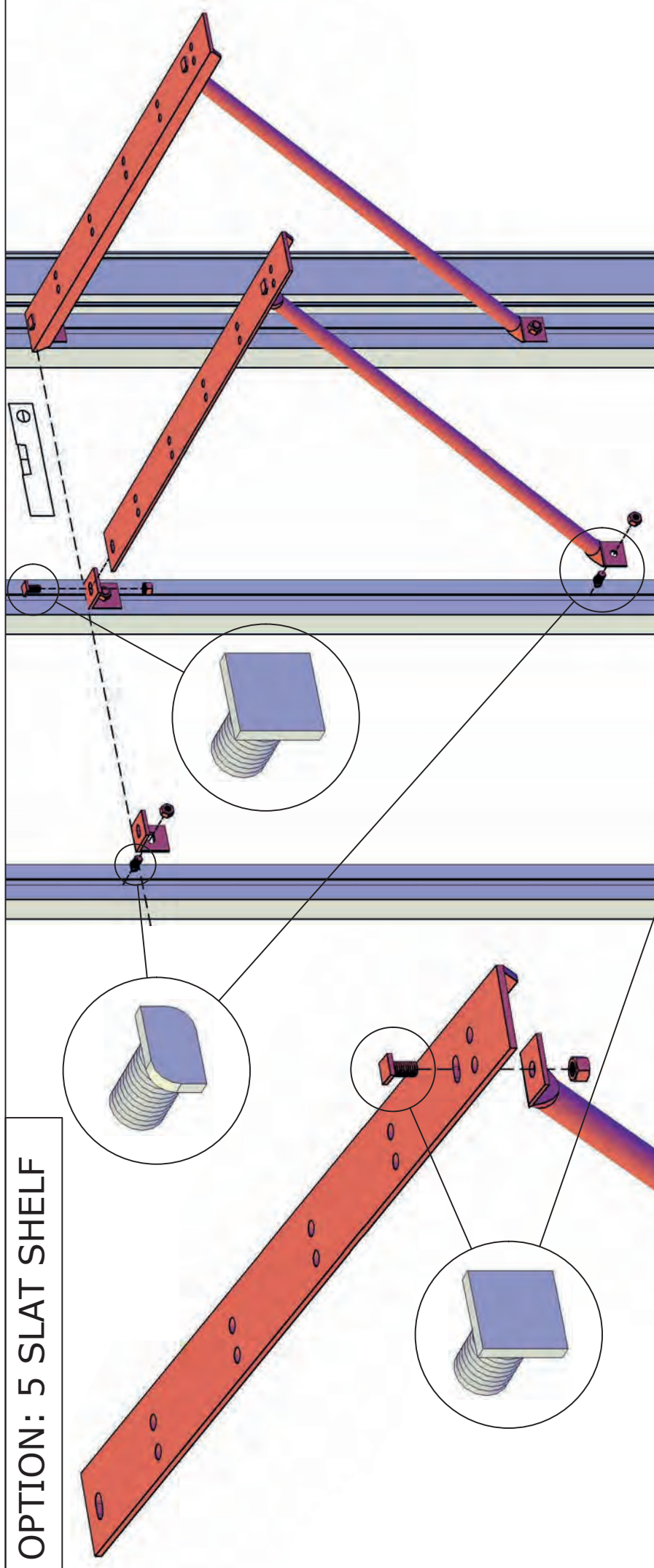
Double
Doors



OPTION: 2 SLAT SHELF

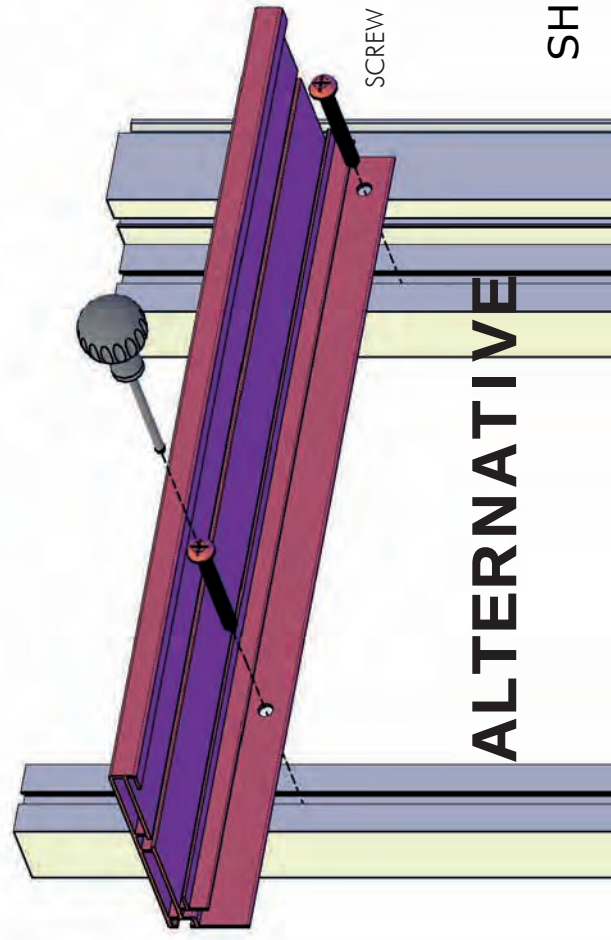
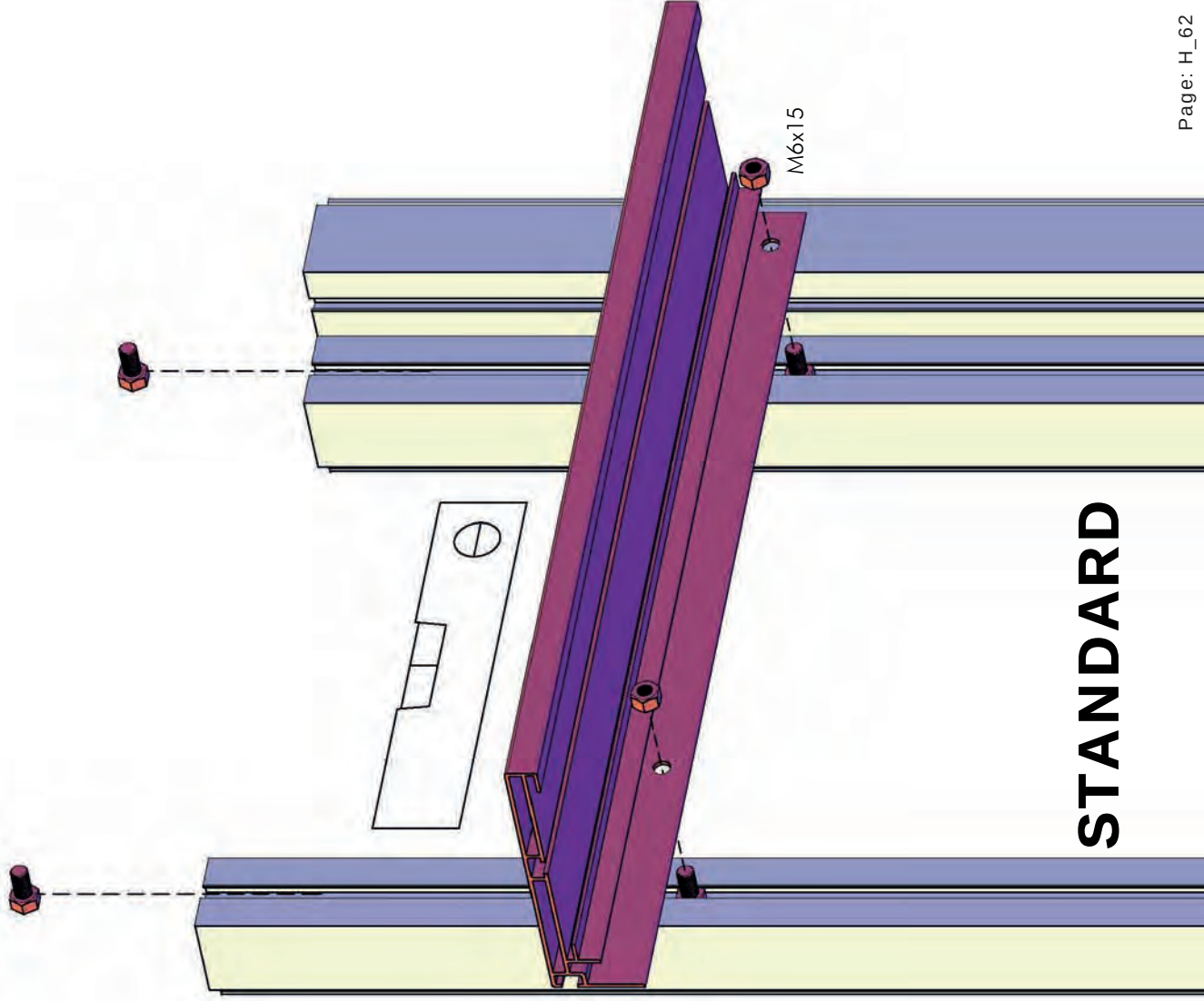
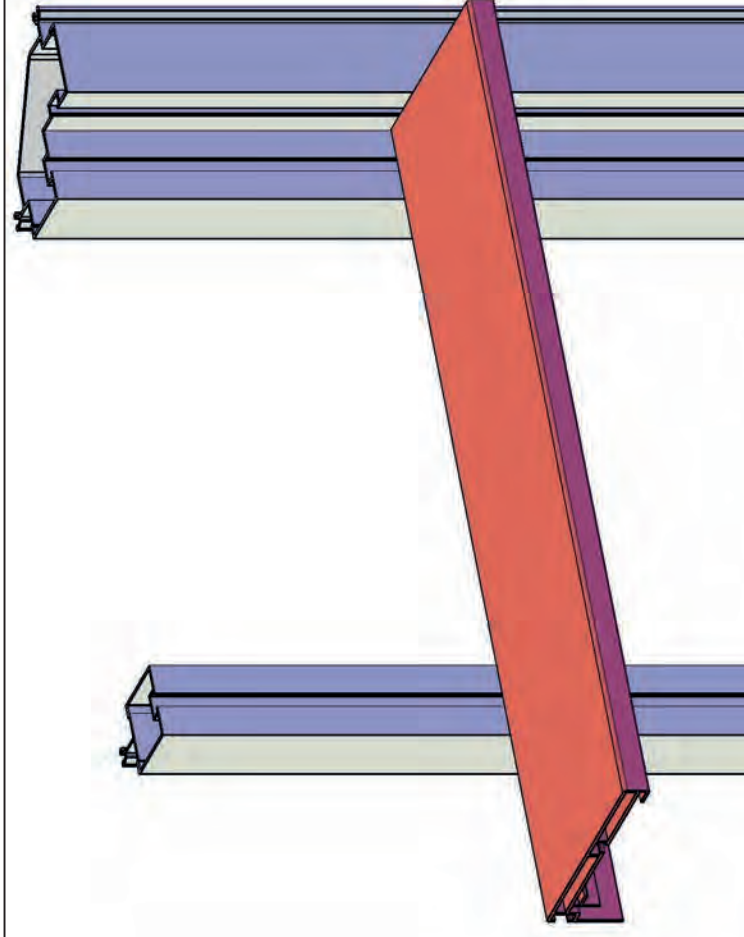


OPTION: 5 SLAT SHELF



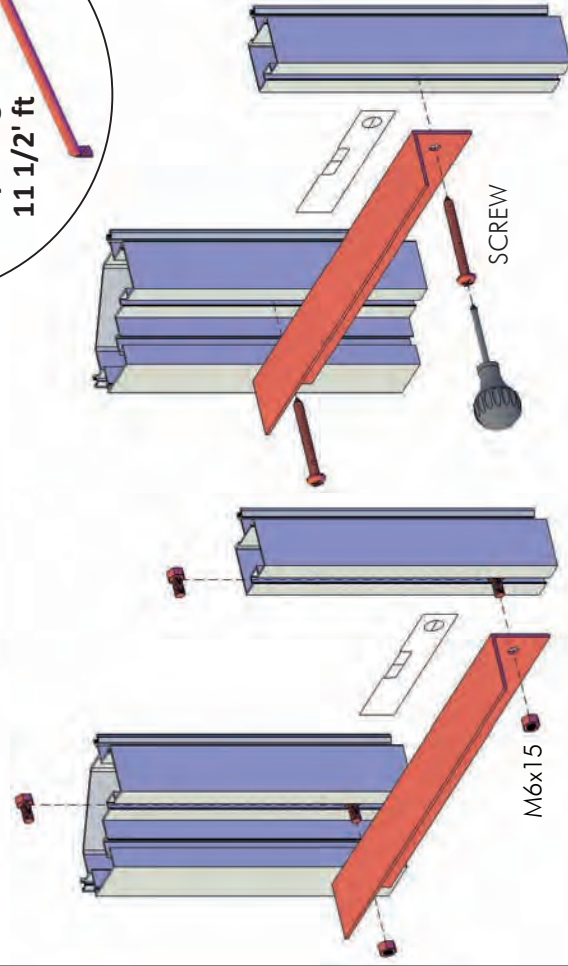
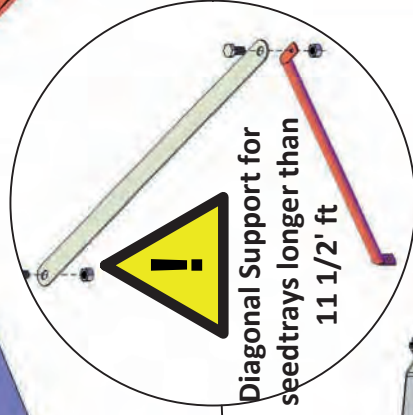
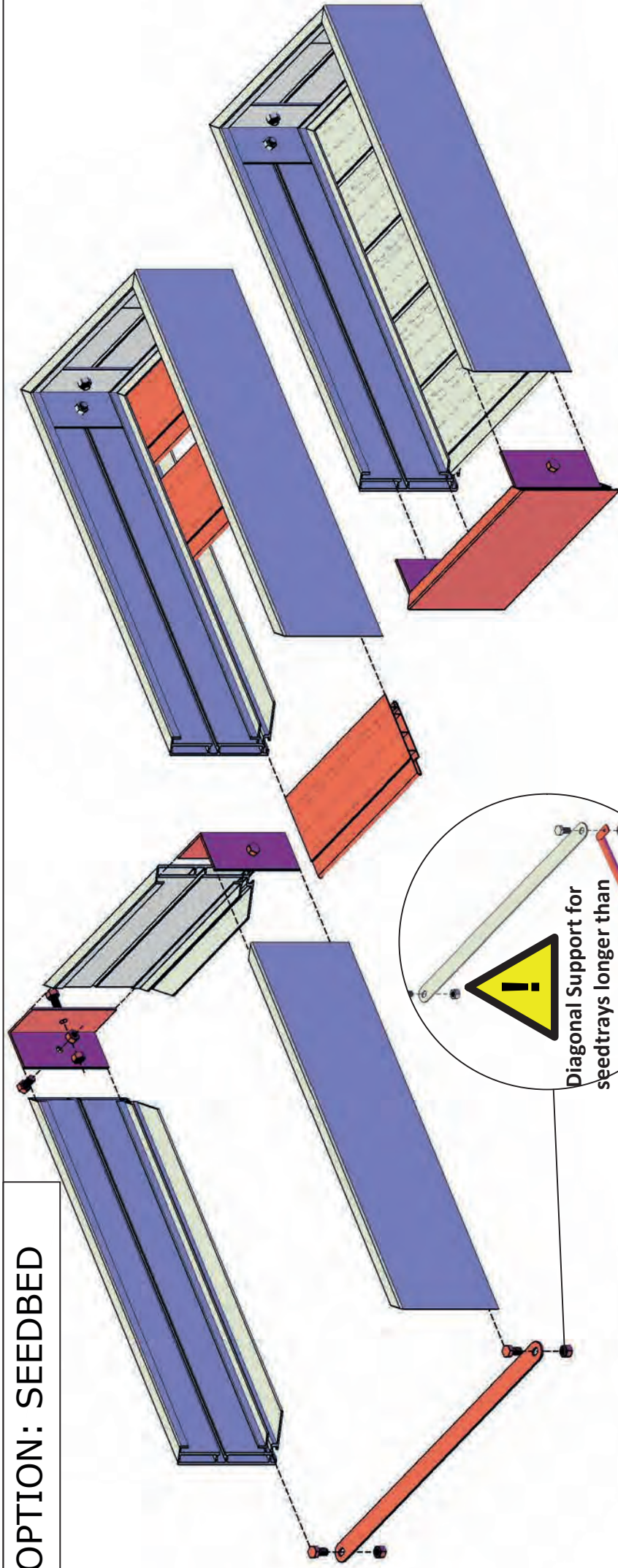
TAB5

OPTION: 4" NARROW TOP SHELF



SH

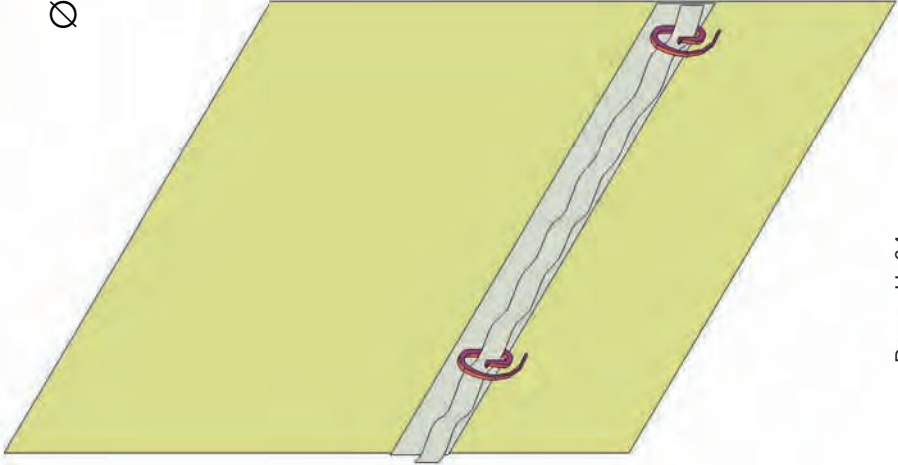
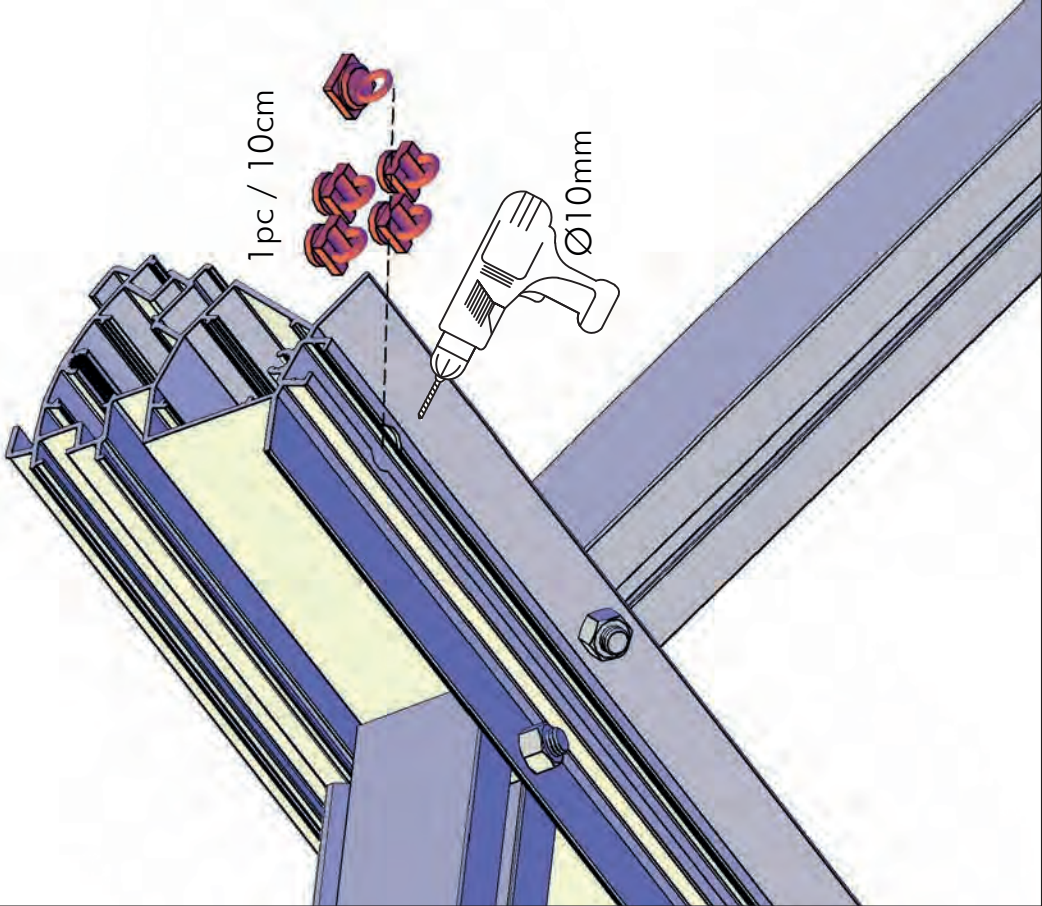
OPTION: SEEDBED



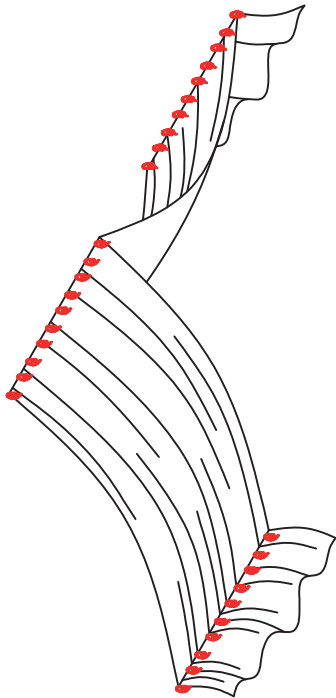
STANDARD ALTERNATIVE

OPTION: Shadecloth (please see next page as well)

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



Insert hooks every 6th loop



HELIOS

OPTIONAL ACCESSORY: SHADECLOTH

Inserting the curlicue hooks into the curtain: The curlicue hooks that insert into the curtain will go in every 6th loop in the white ribbon— look at the picture diagram to ensure you are inserting them in the correct direction so the curtain hangs well. Your curtains will have one looped ribbon running across the center (for the ridge) and 3 white looped ribbons on either side. If you have a VI23 you will use the ribbons closest to the center, the VI34 and 36 as well as the Royal Orangerie use the center ribbons. The VI46 will use the ribbons closest to the edge. Please note in the 10 ft long curtains there are 2" gaps located about 30" in from each edge along the center ridge ribbon, this is not a defect. These gaps are intentional to allow for misting system support hooks (as needed) and diagonal supports (VI 34/36/46). **Please note: if you have forgotten to insert any items during assembly, you may "notch" the channel with a ½" drill bit in an inconspicuous place. We can send a touch up paint pen if you need one.**

VI 23 (7'9" x 10'2") - One shade cloth section (SUN236-300). The misting system is best hung from one bolt/hook at one end of the shade cloth and through the intentional gap at the other side. This allows for the curtain to be gathered around one of the hooks when not needed. Insert the following in this order:

- In ridge profile:
 - o 1 bolt (for L bracket that connects at gable end)
 - o Twist lock (optional)
 - o 30 Sliding Eye Hooks
 - o Twist lock (optional)
 - o 1 bolt (for L bracket that connects at gable end)
- In each gutter profile:
 - o 1 Twist lock (optional)
 - o 30 Sliding Eye Hooks
 - o 1 Twist lock

VI 34 (10'2" x 15') - Has three separate curtains – (2) SUN310-73 (these smaller sections fit between each gable end and the diagonal support) and (1) SUN310-300 (placed in the longer middle section). The misting system is best hung from 2 bolts/hooks placed next to each diagonal support so the larger curtain moves freely in the middle. Insert the following in this order:

- In ridge profile:
 - o 1 bolt (for L bracket that connects at gable end)
 - o 9 Sliding Eye Hooks
 - o 1 bolt for diagonal support
 - o 1 bolt for hook for misting system
 - o Twist lock (optional)
 - o 30 Sliding Eye Hooks
 - o Twist lock (optional)
 - o 1 bolt for hook for misting system
 - o 1 bolt for diagonal support
 - o 9 Sliding Eye Hooks
 - o 1 bolt (for L bracket that connects at gable end)
- In each gutter profile:
 - o 1 Twist lock (optional)
 - o 48 Sliding Eye Hooks
 - o 1 Twist lock

VI 36 (10'2" x 19'11") and VI 46 (12'7" x 19'11") -Shade cloths are (2) SUN310-300. The diagonal supports at the gable ends will be inserted through the intentional gaps in the shade cloth. The misting system is best supported by (3) bolts/hooks: one by each of the diagonal supports and one in the center. The VI 36 and VI 46 have additional "scroll" supports that are placed across the gutter and ridge profiles in the middle of the greenhouse – there is no hardware inserted in these profiles for the supports, but they will be mentioned. Insert the following in this order:

- In ridge profile:
 - o 1 bolt (for L bracket that connects at gable end)
 - o 9 Sliding Eye Hooks
 - o 1 bolt for diagonal support
 - o 1 bolt for hook for misting system
 - o 20 Sliding Eye Hooks
 - o Twist lock (optional)
 - o 1 bolt for hook for misting system
 - o Space for "scroll" support
 - o 1 Twist lock (optional)
 - o 20 Sliding Eye Hooks
 - o 1 bolt for hook for misting system
 - o 1 bolt for diagonal support
 - o 9 Sliding Eye Hooks
 - o 1 bolt (for L bracket that connects at gable end)
- In each gutter profile:
 - o 1 Twist lock (optional)
 - o 30 Sliding Eye Hooks
 - o Space for "scroll" support
 - o 30 Sliding Eye Hooks
 - o 1 Twist lock (optional)

TYPE	Vi23 310	Vi34/36 458
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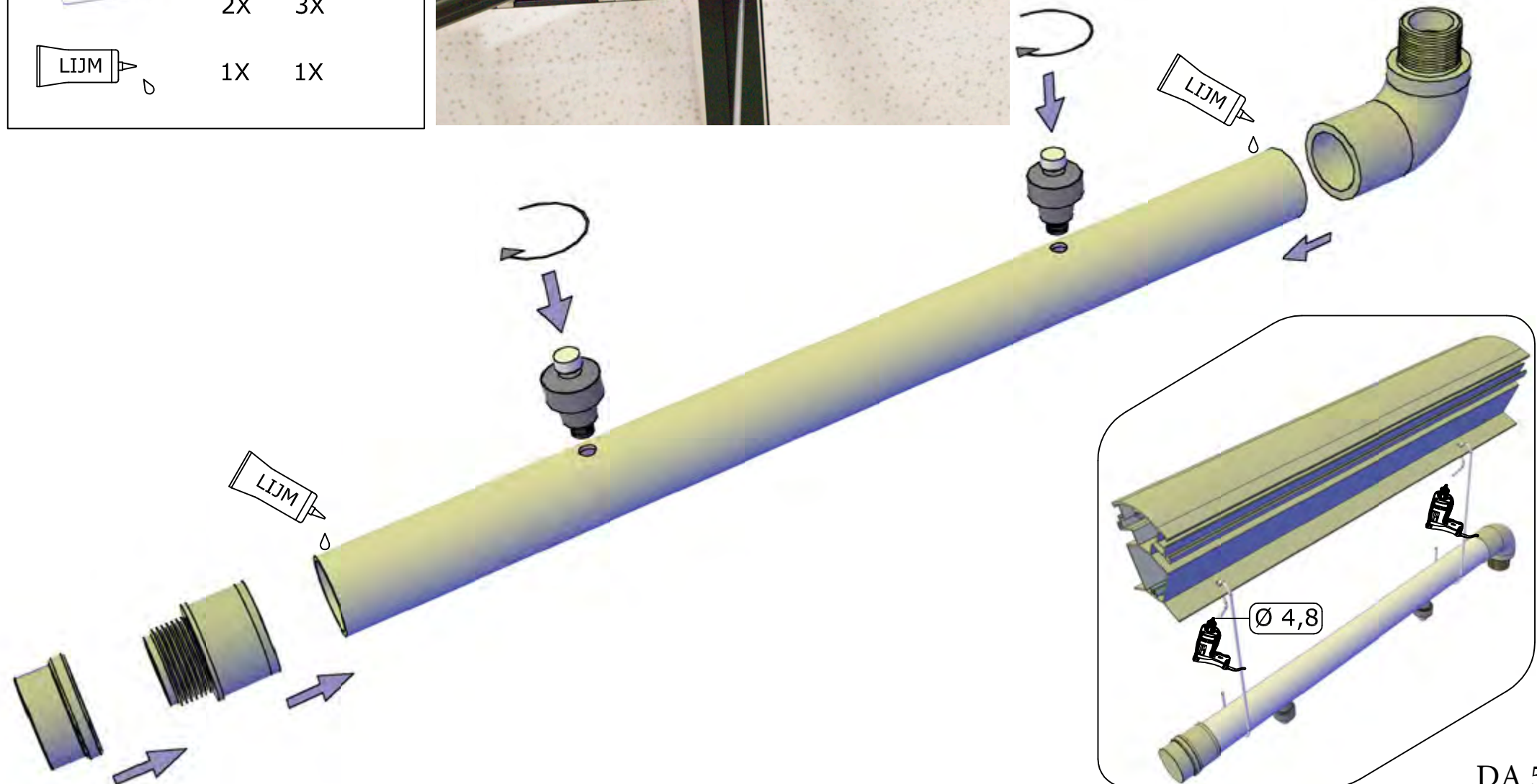
Misting System (If Equipped)

Note: If curtains are going to be installed, the misting system should be hung with bolts as shown to the left. The hangers will need to be bent into position.

If there are no curtains it can be hung by drilling holes and hooking the hangers through them. (Shown below)



	3X	4X
	1X	1X
	1X	1X
	2300	3300
	2X	3X
	1X	1X





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Assembly Questions?

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Exaco Trading
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video on our Exaco Tracing Co
YouTube Channel.
Find the link at www.exaco.com*

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