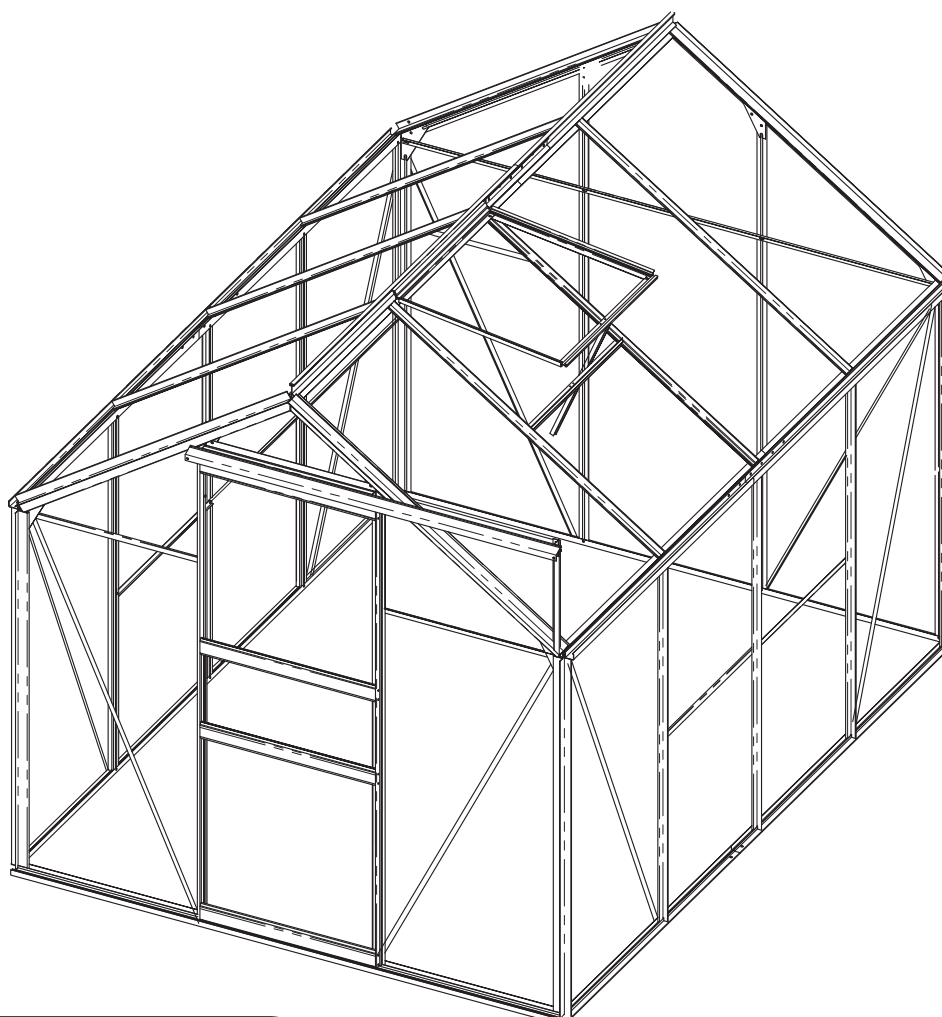




OGAL-866A

GREENHOUSE ASSEMBLY

INSTRUCTIONS



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TO PREVENT INJURY, READ AND UNDERSTAND THE GREENHOUSE ASSEMBLY INSTRUCTIONS BEFORE USE.

Notes:

1. It takes about 2-3 hours to assemble the greenhouse by 2-3 persons.
2. The UV-protected side of the sheet is covered with opal white film and must face towards the sun.
3. Remove approximately 2 inches of film from all sheet edges before installing. Removing all film immediately after the construction is completed
4. Make sure the greenhouse is located on a flat, level surface.

GENERAL SAFETY, WARNINGS AND PRECAUTIONS

KEEP WORK AREA CLEAN AND DRY.

Cluttered, damp or wet work areas invite injuries.

STAY ALERT. Watch what you are doing at all times. Use common sense. Do not use the greenhouse when you are tired or distracted from the job at hand. It is recommended to use gloves for assembling the greenhouse.

MAINTAIN THIS PRODUCT WITH CARE.

Keep the greenhouse clean and dry for better performance: maintenance should be performed regularly.

USE THE RIGHT PRODUCT FOR THE JOB.

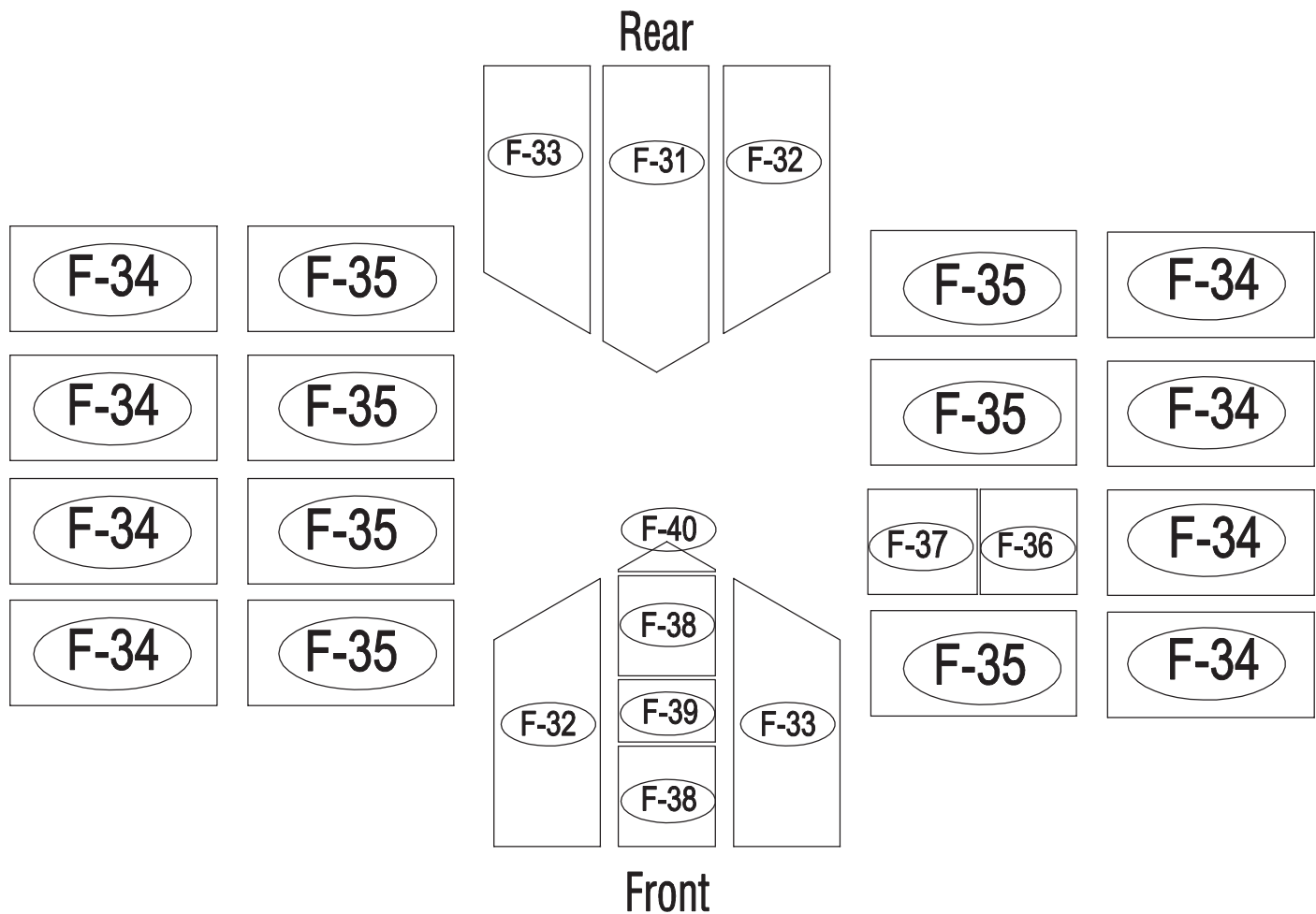
Do not attempt to force a small product to do the work of a larger industrial product. There are certain applications for which the greenhouse was designed. It will do the job better and more safely in the manner for which it was intended. Do not modify the greenhouse and do not use the greenhouse for a purpose for which it was not intended.

MAINTAIN A SAFE WORKING ENVIRONMENT.

Keep the work area tidy. Make sure there is adequate surrounding workspace. Avoid high traffic areas. Always keep the work area free of obstructions, grease, oil, trash and other debris.

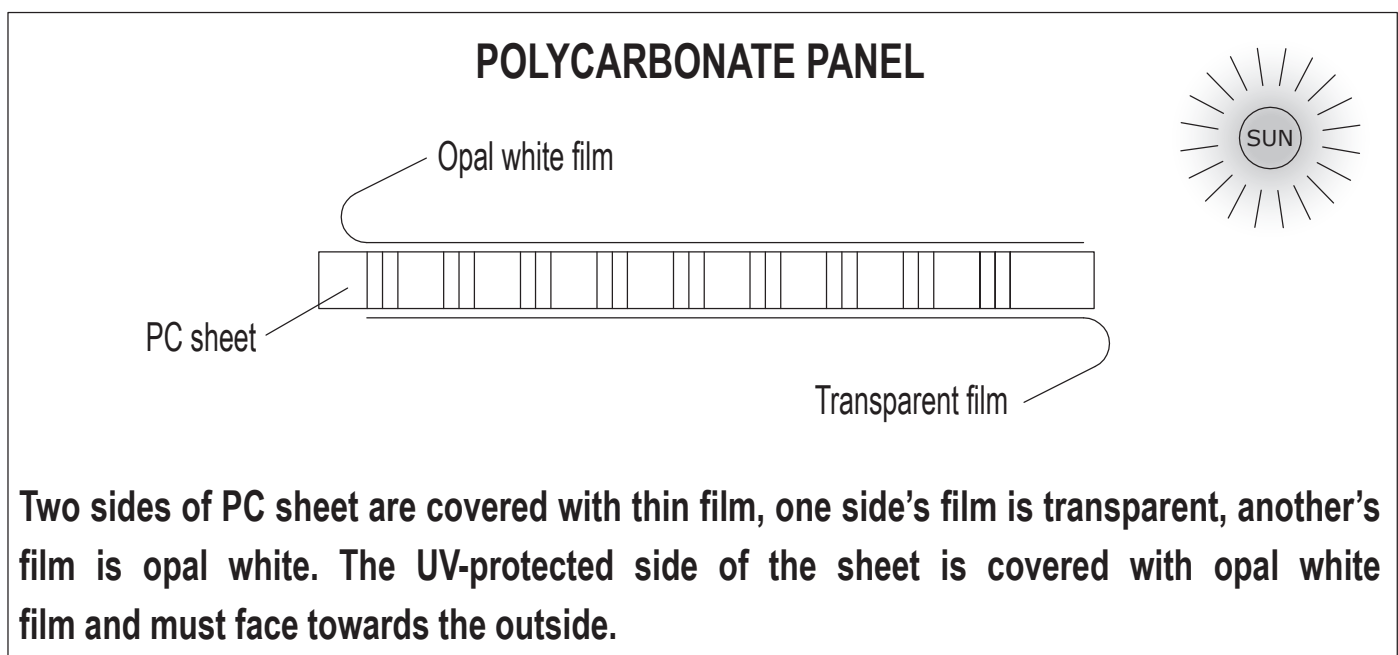
PROPER GREENHOUSE LOCATION.

Make sure the greenhouse is located on a flat, level surface.

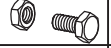


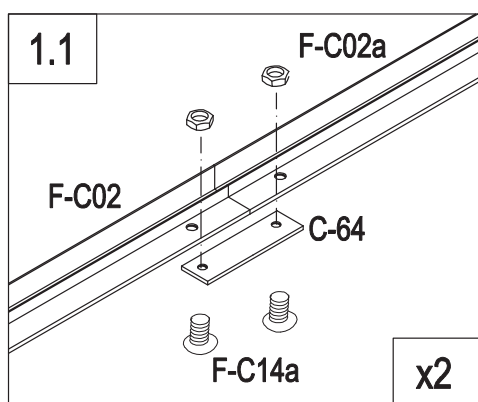
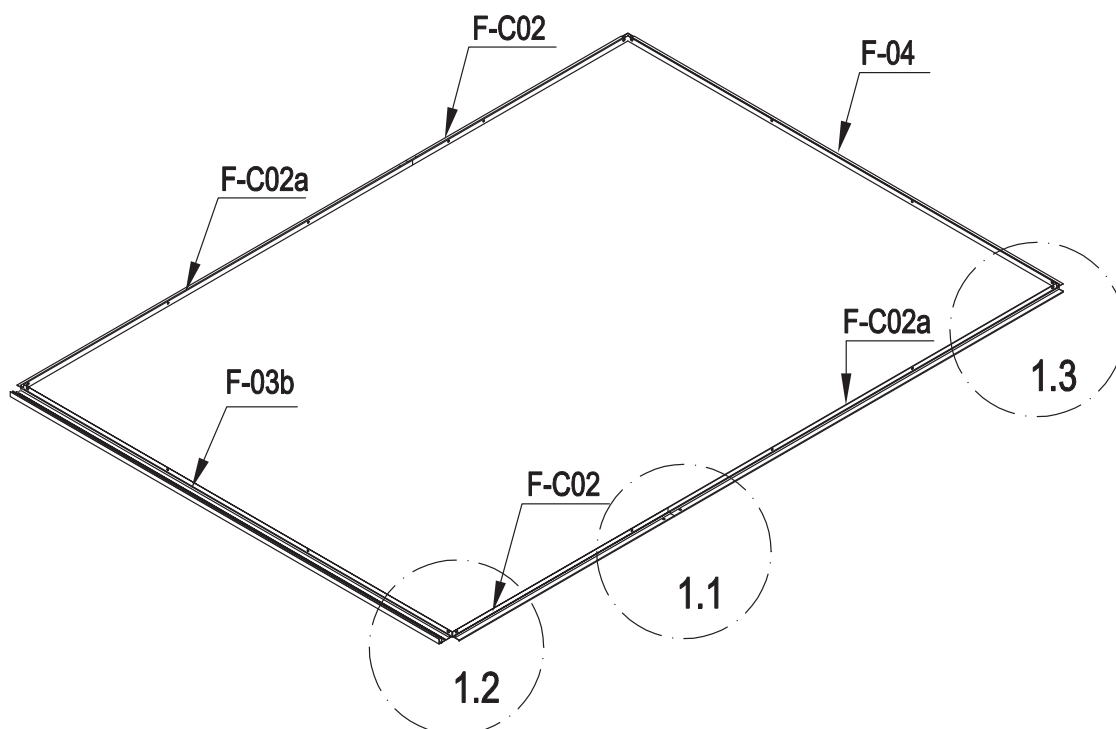
Notes.

1. Remove approximately 5mm of film from all sheet edges before installing.
Remove all film immediately after the construction completed.
2. The UV-protected side of the sheet is covered with opal white film and must face towards the sun.

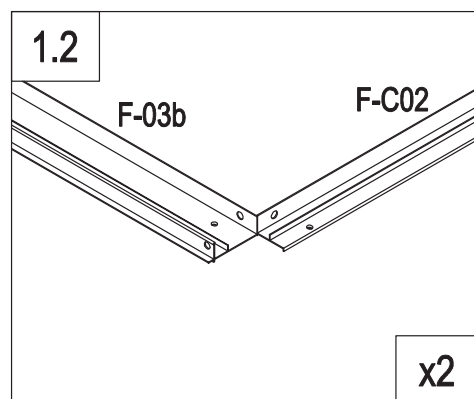


PARTS LIST

BASE					WINDOW				
IMAGE	NO.	L.	QTY	SKU #	IMAGE	NO.	L.	QTY	SKU #
	F-03b	1833	1	OGRPT-F-03b		F-20	360	1	OGRPT-F-20
	F-04	1833	1	OGRPT-F-04		F-25	580	1	OGRPT-F-25
	F-C02	1070	2	OGRPT-F-C02		F-26	550	2	OGRPT-F-26
	F-C02a	1362	2	OGRPT-F-C02a		F-27	580	1	OGRPT-F-27
	C-64		2	OGRPT-C-64		F-28	620	1	OGRPT-F-28
WALL AND ROOF						F-37	577x583	1	OGRPT-F-37
IMAGE	NO.	L.	QTY	SKU #	DOOR				
	F-05	1240	4	OGRPT-F-05	IMAGE	NO.	L.	QTY	SKU #
	F-06	1105	2	OGRPT-F-06		F-12	572.5	1	OGRPT-F-12
	F-07	1105	2	OGRPT-F-07		F-13	1240	1	OGRPT-F-13
	F-08	1650	1	OGRPT-F-08		F-14b	600	2	OGRPT-F-14b
	F-09	1650	1	OGRPT-F-09		F-15	600	2	OGRPT-F-15
	F-23	1240	6	OGRPT-F-23		F-16b	1615	2	OGRPT-F-16b
	F-24	1100	6	OGRPT-F-24		F-21	376	1	OGRPT-F-21
	F-10	1644	1	OGRPT-F-10		F-22b		4	OGRPT-F-22b
	F-11	1644	1	OGRPT-F-11		F-38	590x598	2	OGRPT-F-38
	F-C05	1286	2	OGRPT-F-C05		F-39	251x598	1	OGRPT-F-39
	F-C05a	1150	2	OGRPT-F-C05a	PLASTIC				
	F-C06	1288	2	OGRPT-F-C06	IMAGE	NO.	L.	QTY	SKU #
	F-C06a	1144	2	OGRPT-F-C06a		G-P1		4	OGRPT-G-P1
	F-17	618	6	OGRPT-F-17		G-P2		2	OGRPT-G-P2
	F-18	1815	1	OGRPT-F-18		G-P3L		1	OGRPT-G-P3L
	F-29	1360	4	OGRPT-F-29		G-P3R		1	OGRPT-G-P3R
	F-30	1328	4	OGRPT-F-30	SCREW				
	F-41	1216	2	OGRPT-F-41	IMAGE	NO.	L.	QTY	SKU #
	F-C07	1432	1	OGRPT-F-C07		F-C14		142	OGRPT-F-C14
	F-C07a	1000	1	OGRPT-F-C07a		F-C14a		4	OGRPT-F-C14a
	F-31	1850x585	1	OGRPT-F-31		F-C15a		12	OGRPT-F-C15a
	F-32	1644x585	2	OGRPT-F-32		F-C16		6	OGRPT-F-C16
	F-33	1644x585	2	OGRPT-F-33					
	F-34	1238x585	8	OGRPT-F-34					
	F-35	1110x585	7	OGRPT-F-35					
	F-36	540x585	1	OGRPT-F-36					
	F-40		1	OGRPT-F-40					
	F-19		4	OGRPT-F-19					
	F-19b		4	OGRPT-F-19b					
	F-43	390	2	OGRPT-F-43					



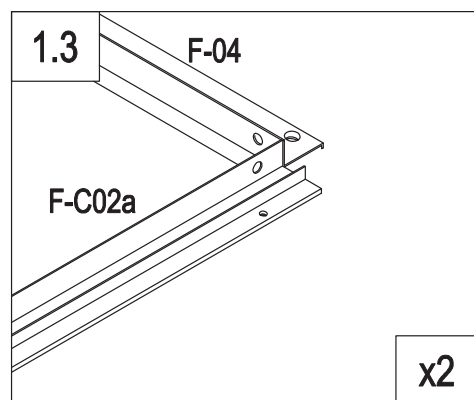
1.1 Connect F-C02 & F-C02a by C-64, fix the bolts and nuts.



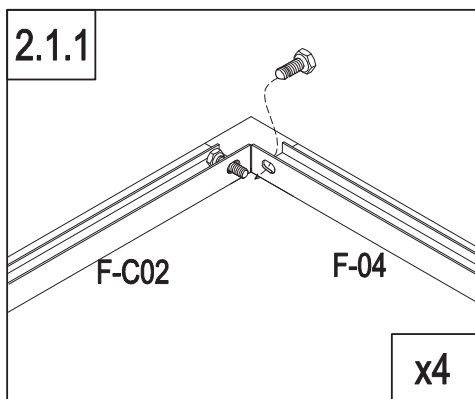
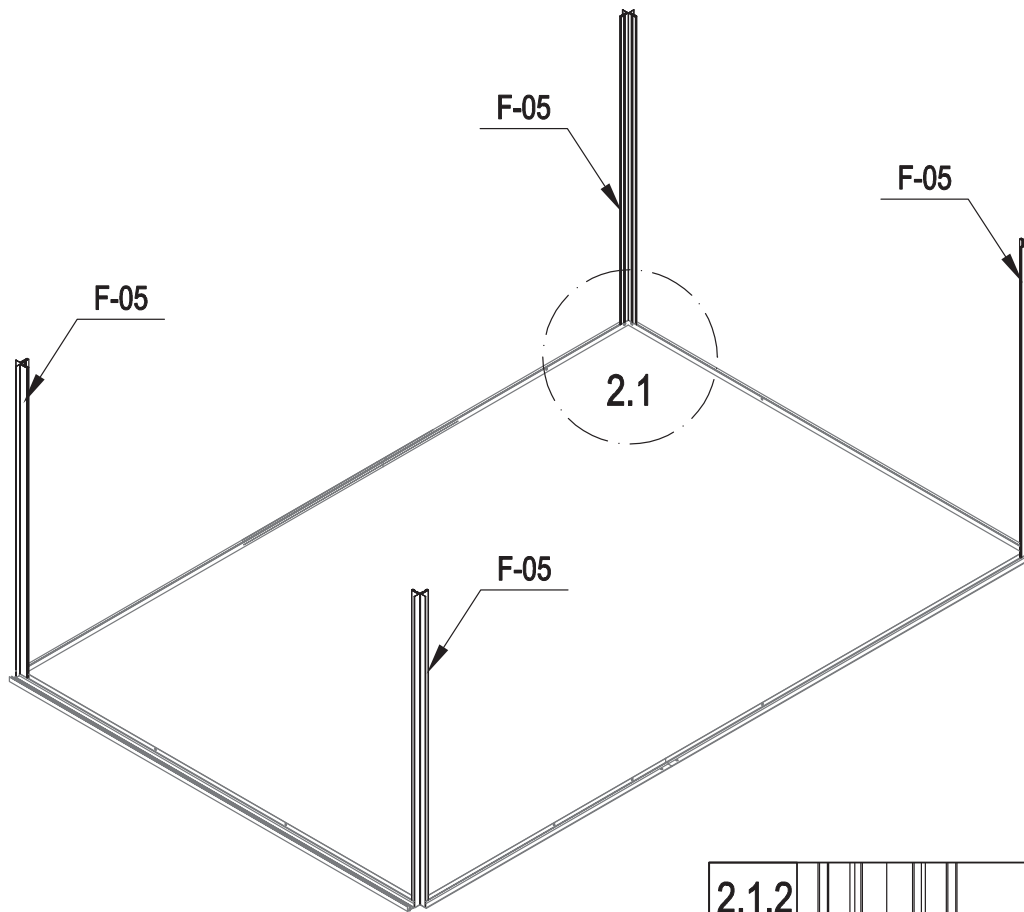
1.2 Lay parts F-03b & F-C02 to a right-angle, make sure the grooves of F-03b & F-C02 are on the outside.

Parts used in this section.

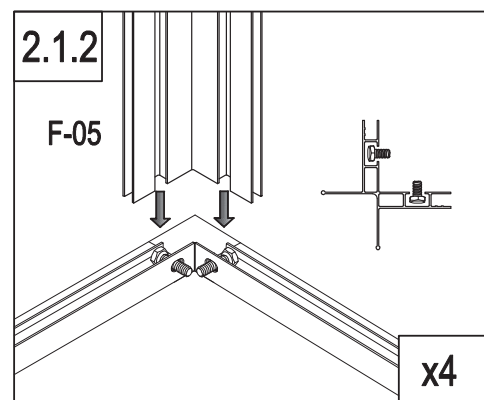
Image	Item #	Quantity
	C-64	2
	F-C02	2
	F-C02a	2
	F-04	1
	F-03b	1
	F-C14a	4



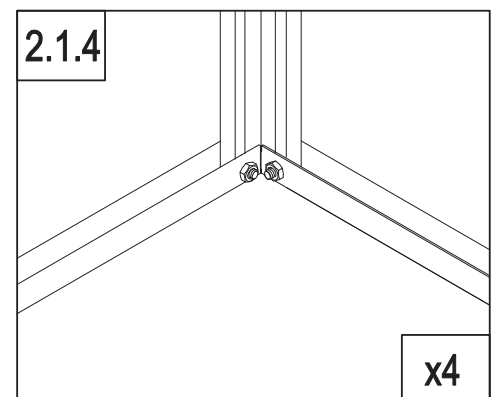
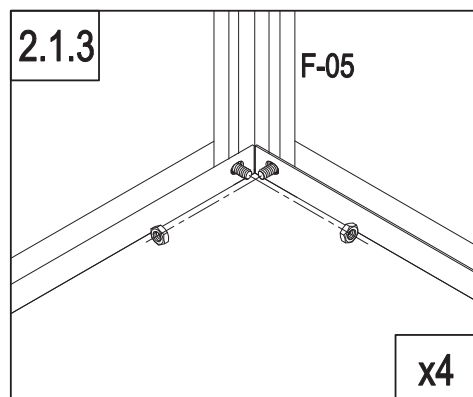
1.3 Lay F-04 & F-C02a to a right-angle, make sure the grooves of F-04 & F-C02a are on the outside.



2.1.1 Insert the bolts (F-C14) into the holes.



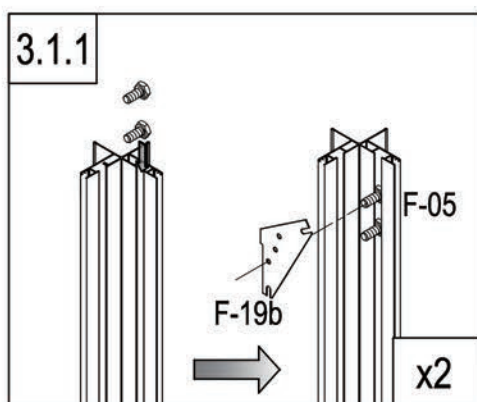
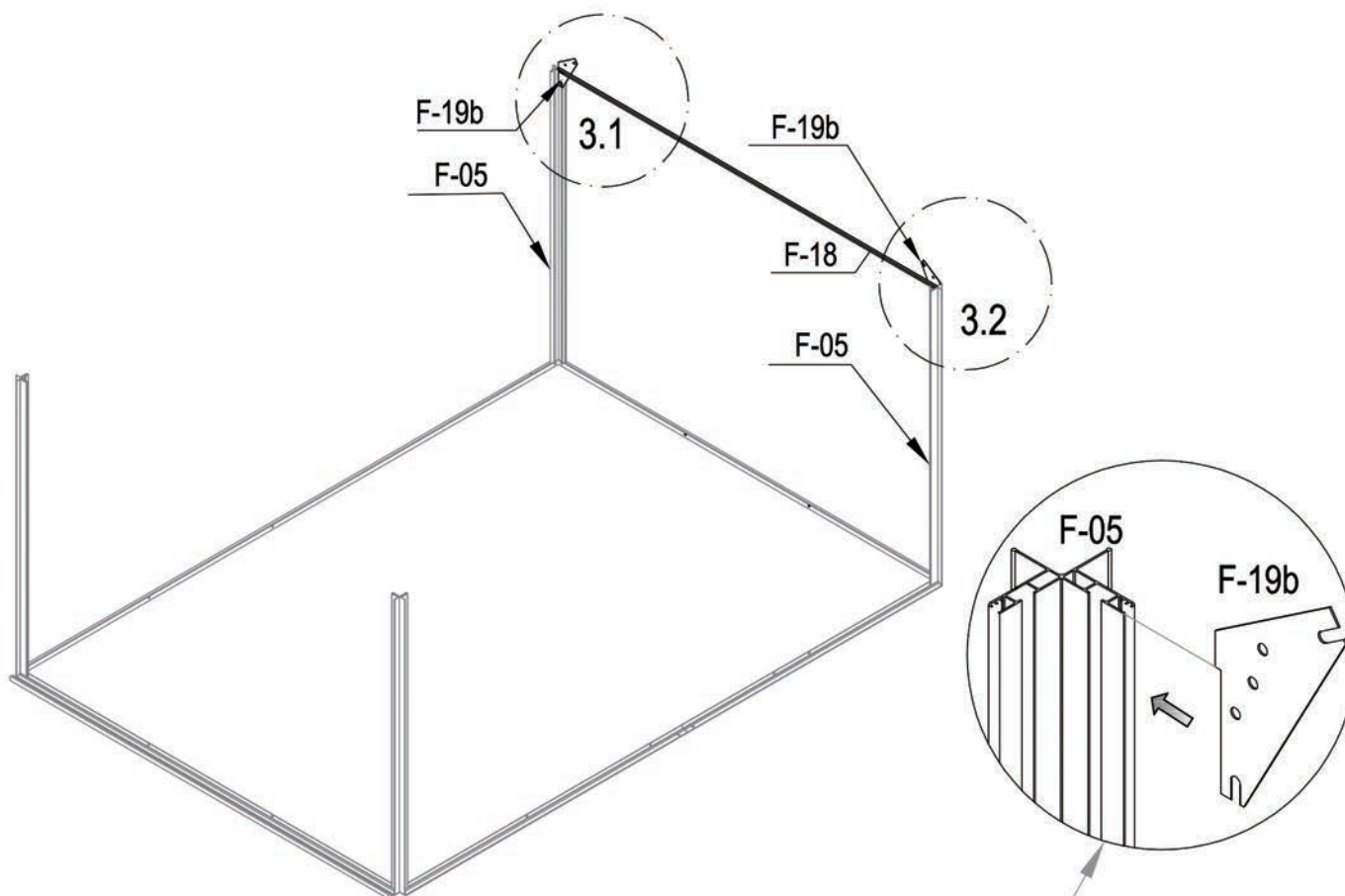
2.1.2 Insert F-05 into the bolts.



2.1.3 and 2.1.4 Put on the nuts and tighten.

Parts used in this section.

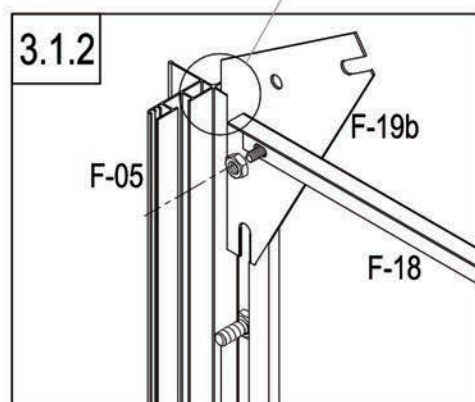
Image	Item #	Quantity
	F-05	4
	F-C14	8



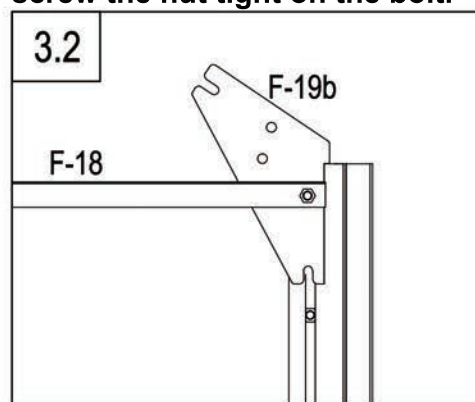
3.1.1 Insert two bolts into F-05. Align the upper bolt with the lower hole in F-19b.

Parts used in this section.

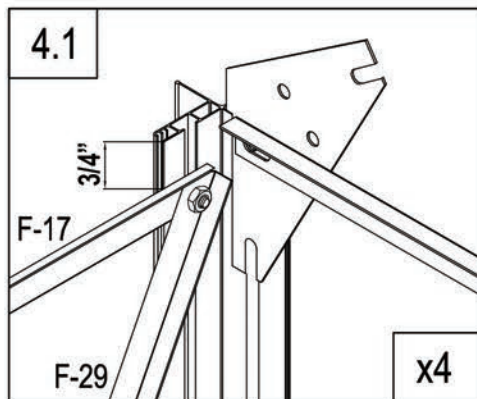
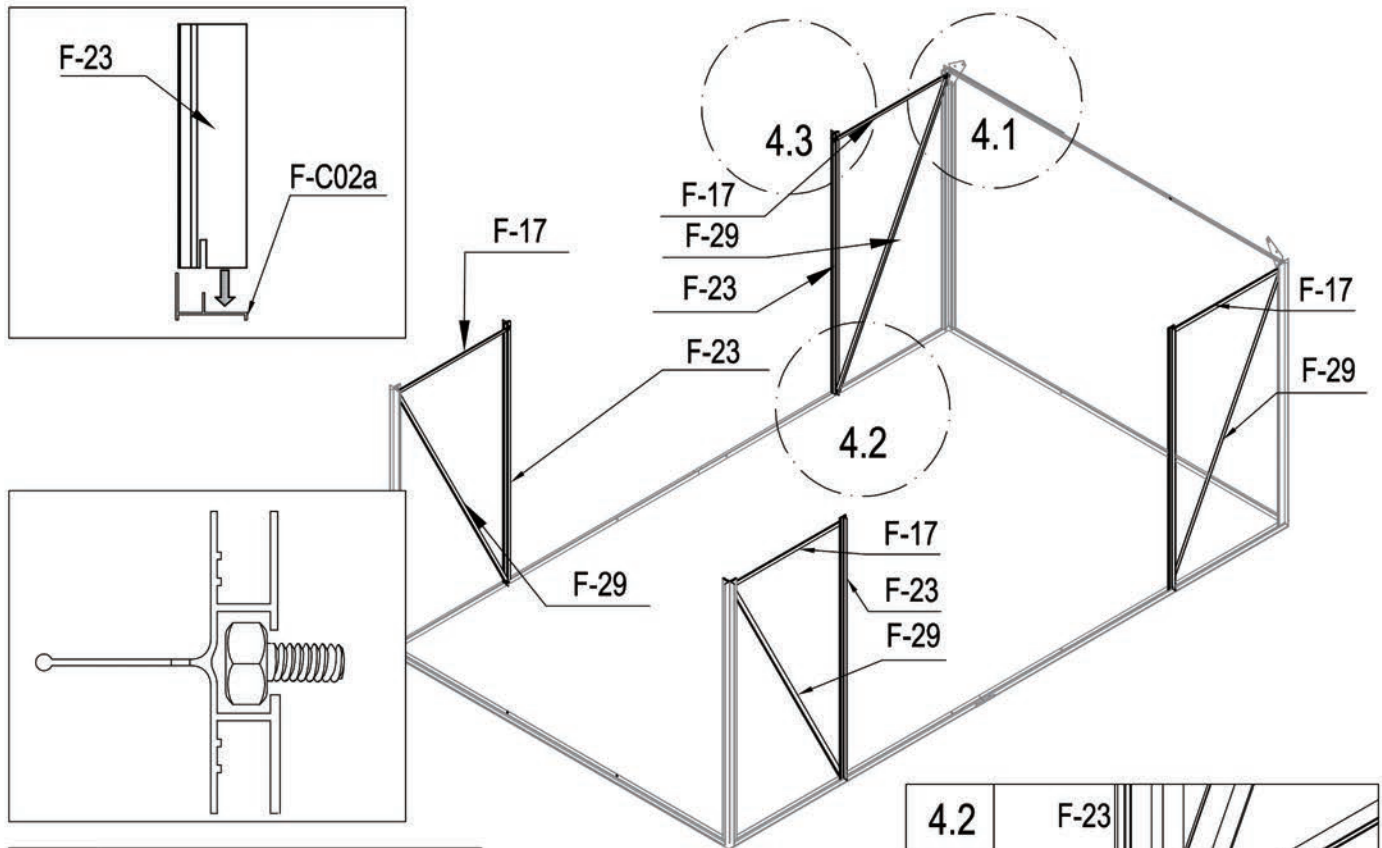
Image	Item #	Quantity
	F-18	1
	F-19b	2
	F-C14	4



3.1.2 Connect F-05, F-19b, F-18 by the upper bolt. Once the notch on F-19b is aligned with the top of F-05, you can screw the nut tight on the bolt.



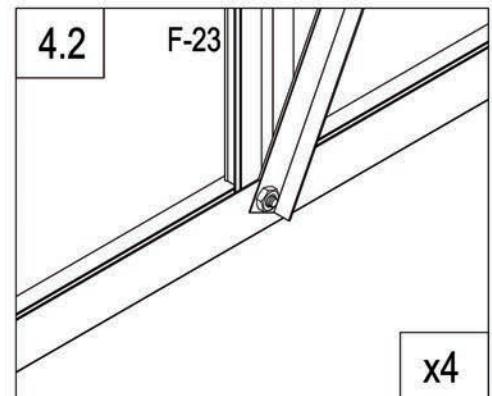
3.2 The same process as 3.1.



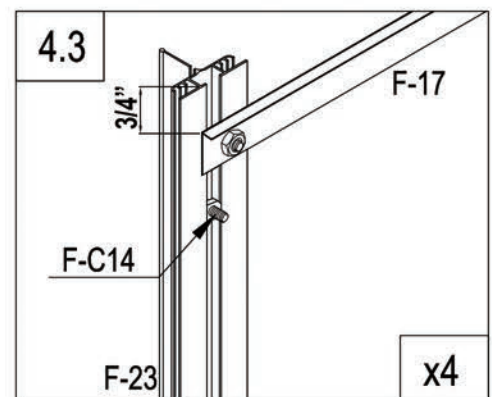
4.1 Connect F-29 and F-17 to F-05 with bolts and nuts, maintaining 3/4 of an inch distance from the top of F-05 to the bolt.

Parts used in this section.

Image	Item #	Quantity
	F-17	4
	F-23	4
	F-29	4
	F-C14	16
	F-C14	12

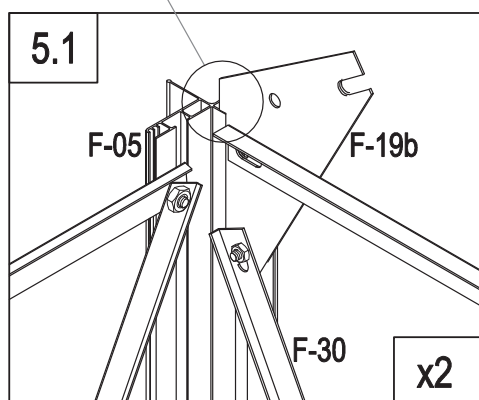
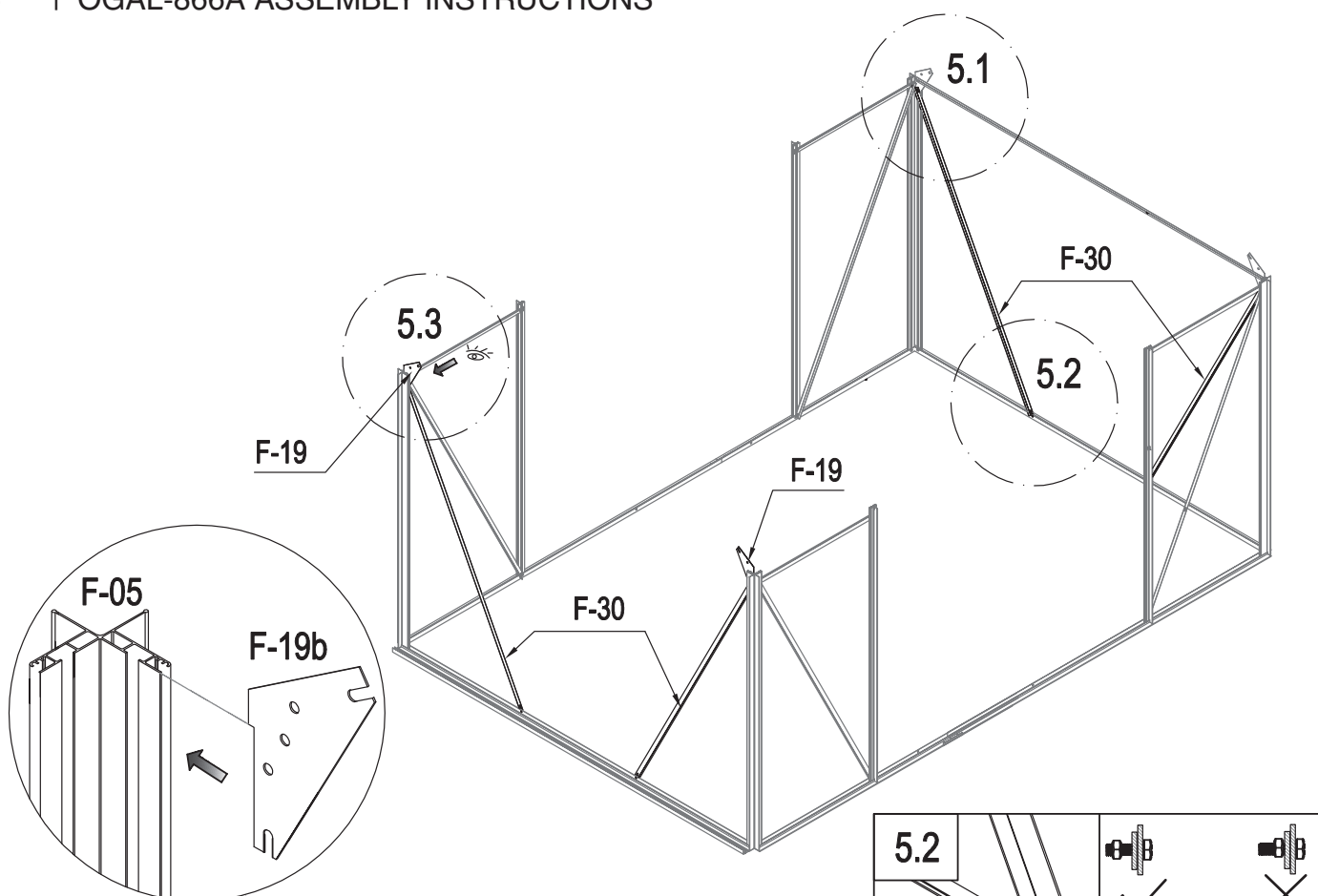


4.2 Connect with F-29 and F-C02 with bolts and nuts, then insert F-23 into the bolts and tighten the nuts.

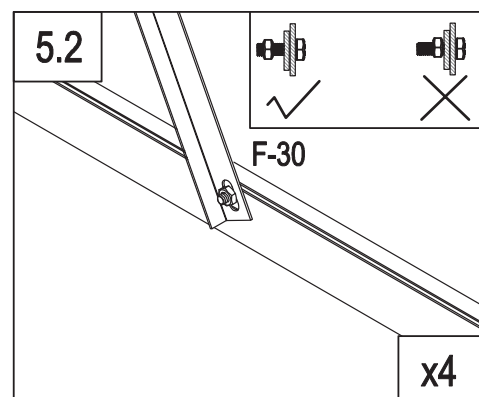


4.3 Insert two bolts into F-23, connect F-23 & F-17 by the upper bolt and tighten the nut.

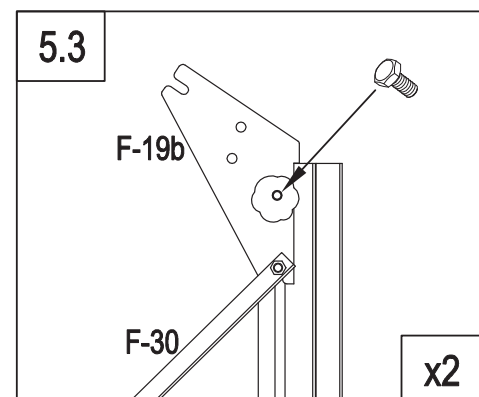
NOTICE: Maintain a 3/4 of an inch distance from the to edge of F-17 to the top of F-23.



5.1 Connect F-30 and F-05 to the lower notch of F-19b with bolts and nuts.
NOTICE: The notch of F-19b **MUST** be aligned with the top of F-05.



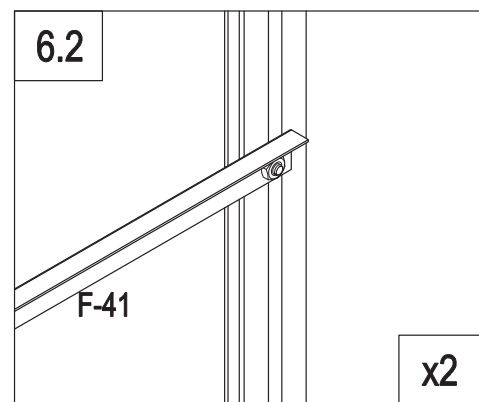
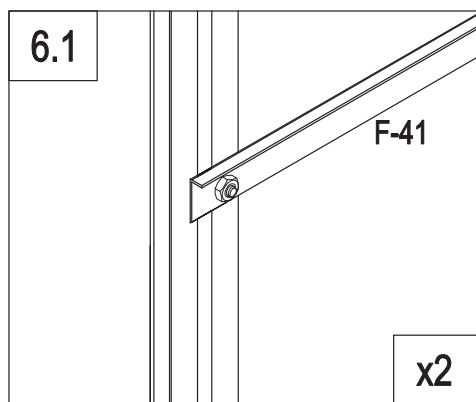
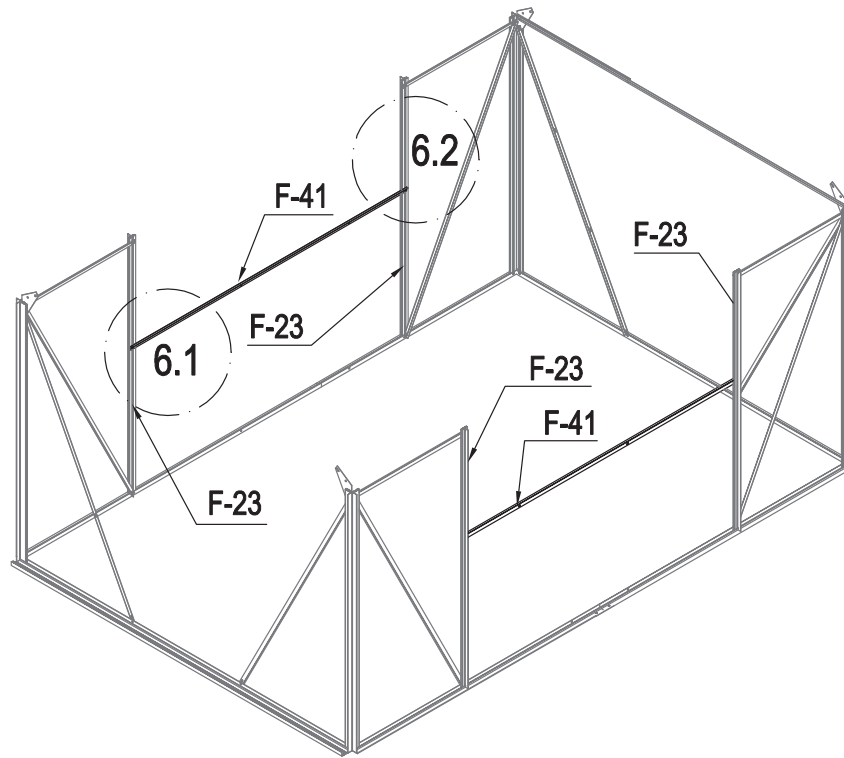
5.2 Connect F-30 and F-04 with bolts and nuts.
NOTICE: Don't tighten nuts yet.



5.3 Insert two bolts into F-05. Connect F-30 and F-05 to the lower notch of F-19b, using the lower bolt and nut. Insert the top bolt into the lower hole of F-19b.
NOTICE: The notch of F-19 **MUST** be aligned with the top of F-05.

Parts used in this section.

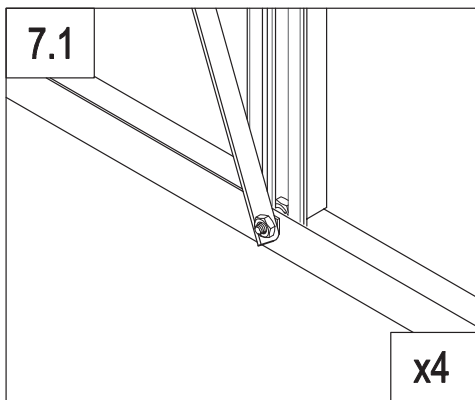
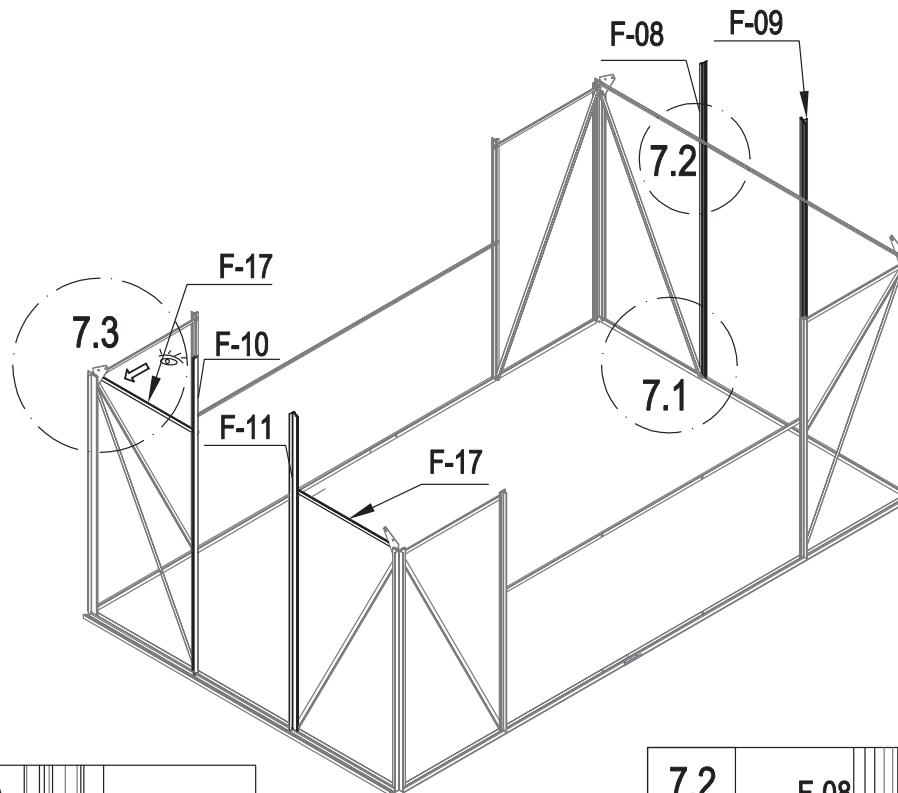
Image	Item #	Quantity
	F-30	4
	F-19b	2
	F-C14	8



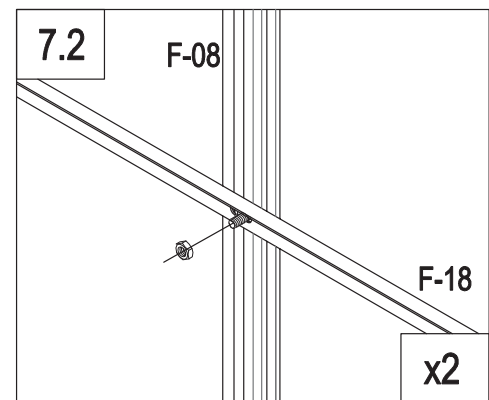
6.1 and 6.2 Connect F-41 with F-23 by bolts and nuts. Make sure the shelf part is facing upward

Parts used in this section.

Image	Item #	Quantity
	F-41	2
	F-C14	4



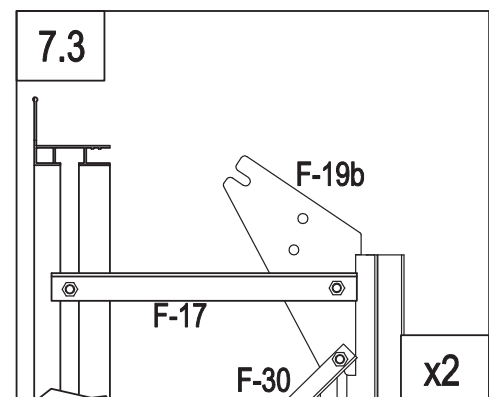
7.1 Insert F-08, F-09, F-10, and F-11 into the bolts at each location.



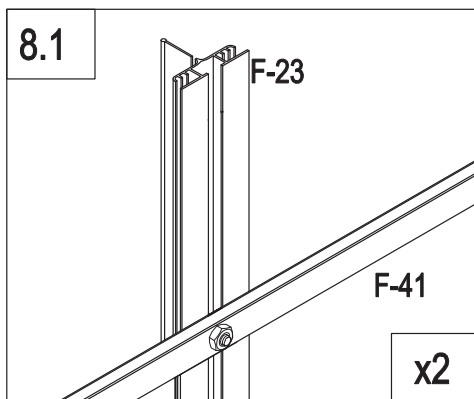
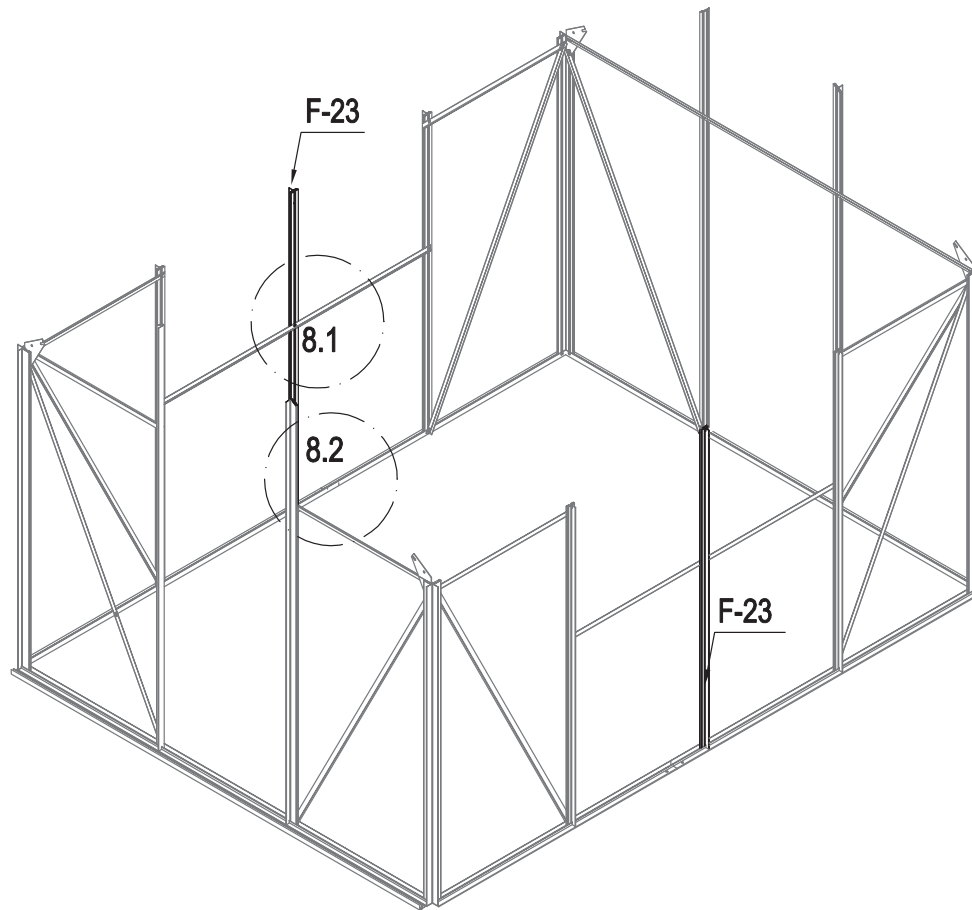
7.2 Insert one bolt into F-08/09, connect F-18 and F-08/09 with the bolt & nut and tighten.

Parts used in this section.

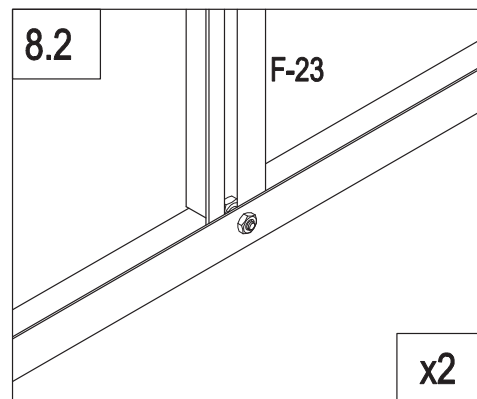
Image	Item #	Quantity
	F-08	1
	F-09	1
	F-10	1
	F-11	1
	F-17	2
	F-C14	4



7.3 Insert bolt into F-10/11, connect F-17 and F10/11 with bolt & nut, connect F-17 to F-05 by the hole of the bolt & nut in step 5.3



8.1 Slide one bolt into F-23, and attach F-41 at its center, tightening the nut.



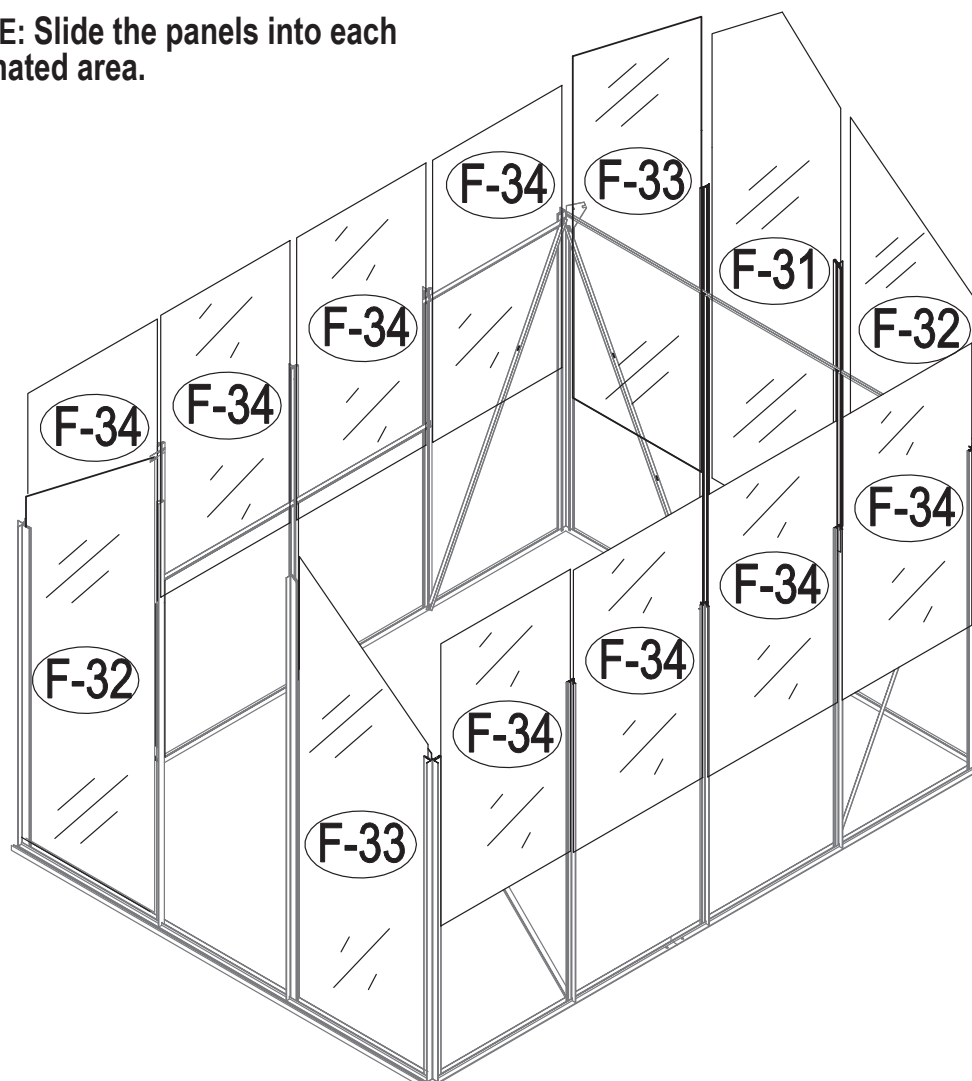
8.2 Insert F-23 into the bolt to connect to base part and tighten the nuts.

Parts used in this section.

Image	Item #	Quantity
	F-23	2
	F-C14	4

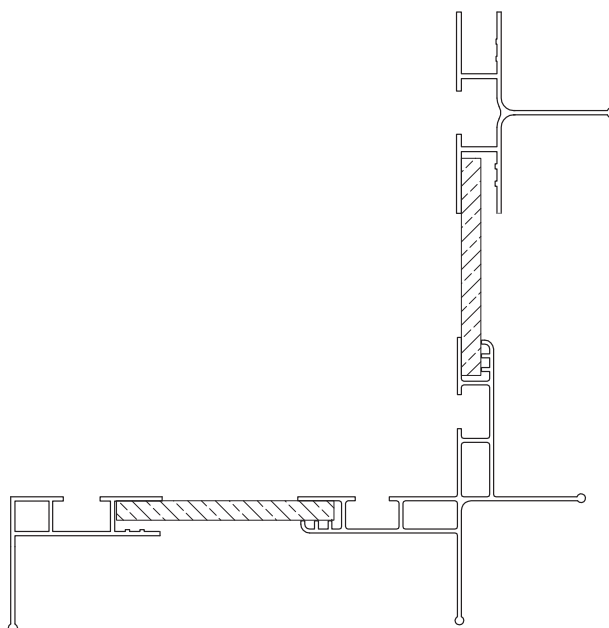


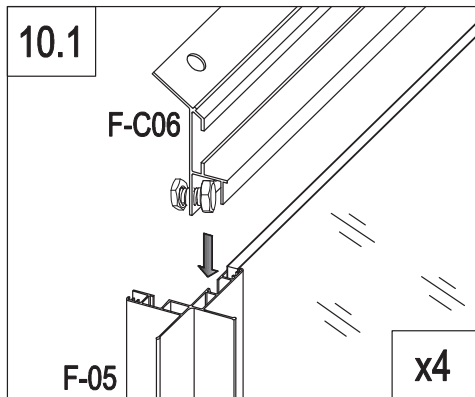
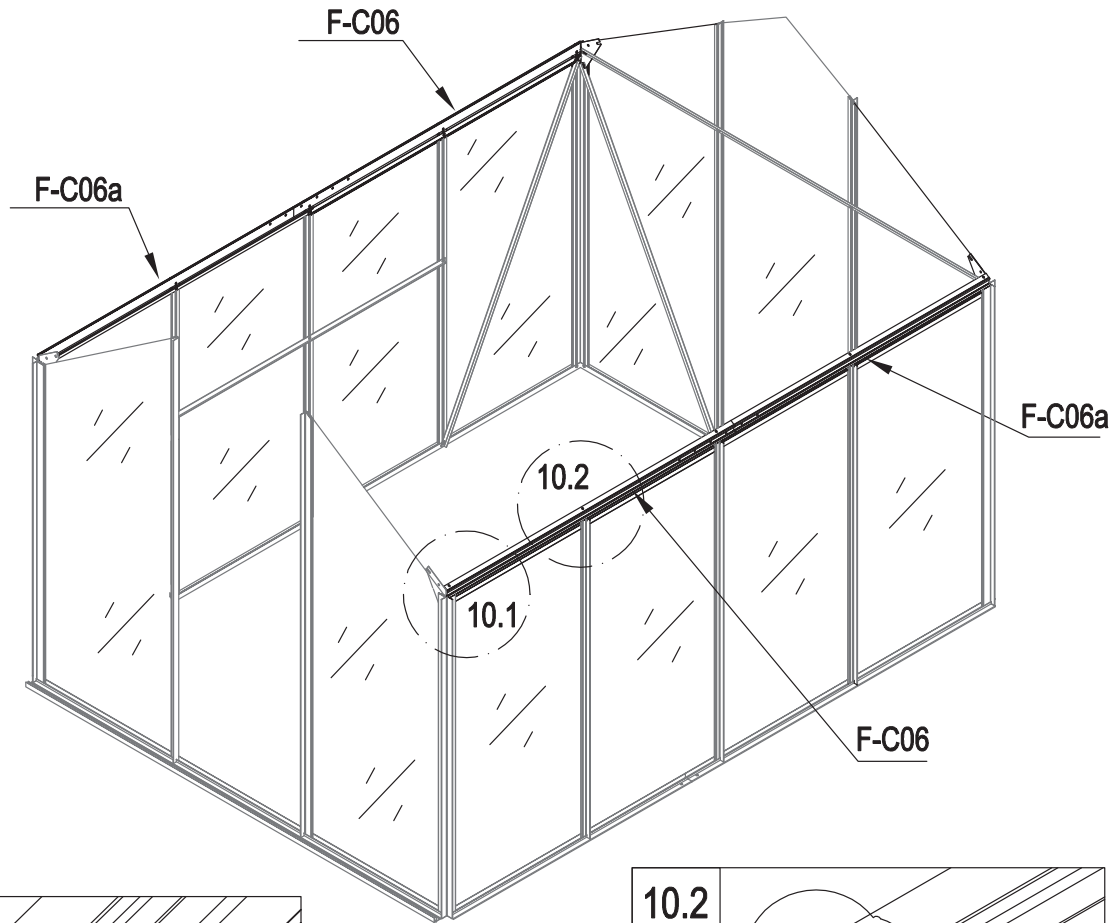
NOTICE: Slide the panels into each designated area.



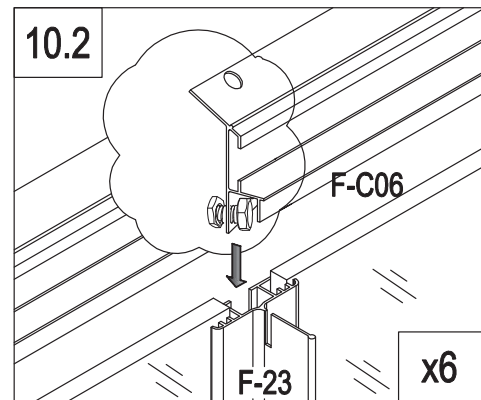
Parts used in this section.

Image	Item #	Quantity
	F-31	1
	F-32	2
	F-33	2
	F-34	8





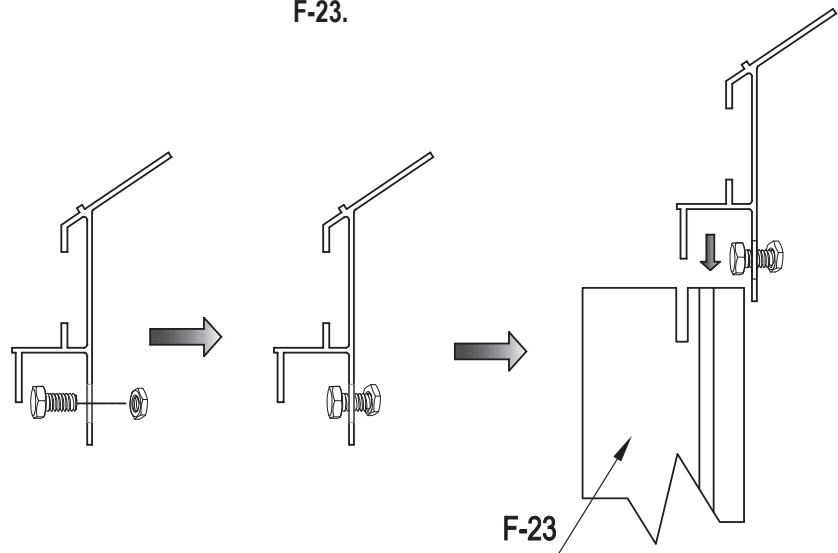
10.1 Insert the bolts and nuts into each hole of F-C06, don't tighten the nuts yet. Slide the bolts into the grooves of F-05.

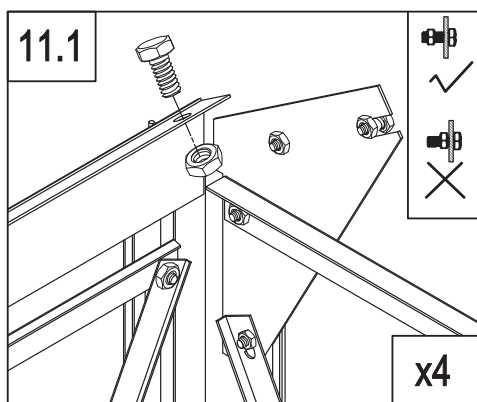
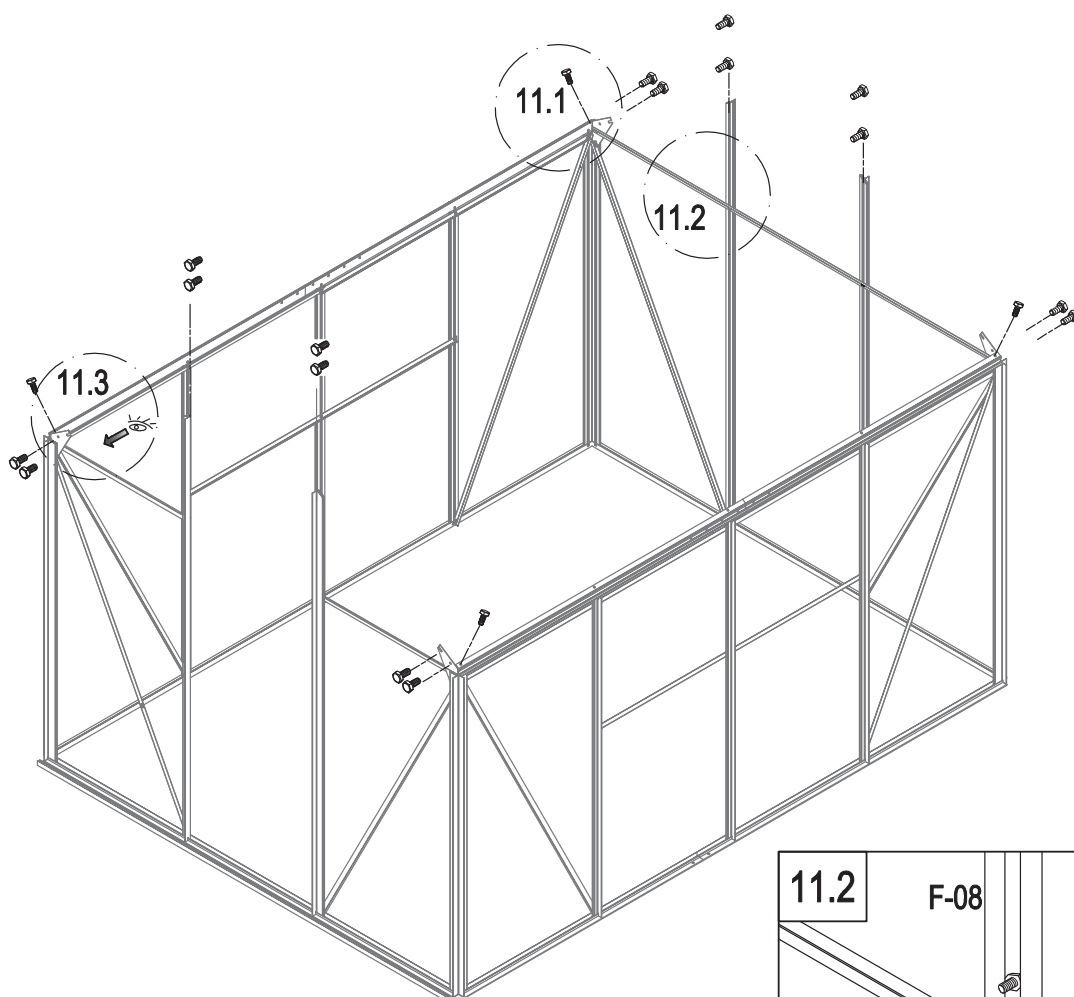


10.2 Slide the bolts into the grooves of F-23.

Parts used in this section.

Image	Item #	Quantity
	F-C06	2
	F-C06a	2
	F-C14	10

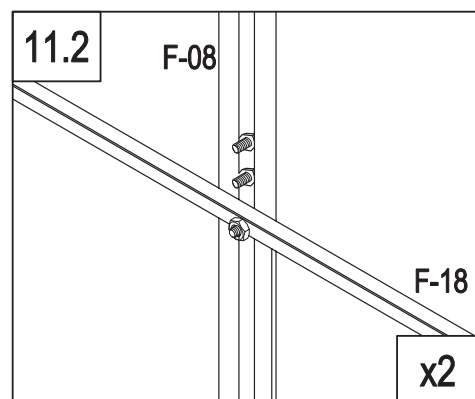




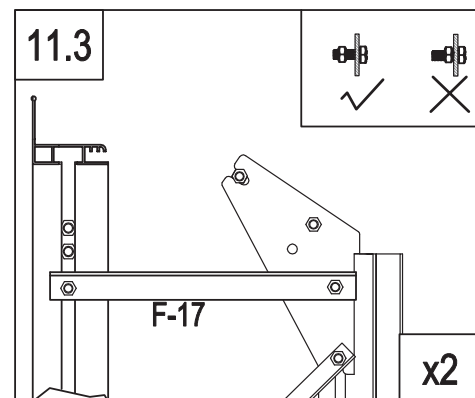
11.1 Insert bolt and nut into the hole of F-B06. Don't tighten the nuts yet.

Parts used in this section.

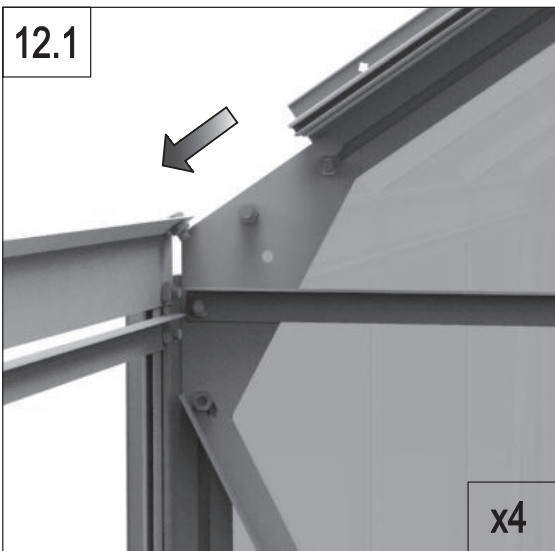
Image	Item #	Quantity
	F-C14	20



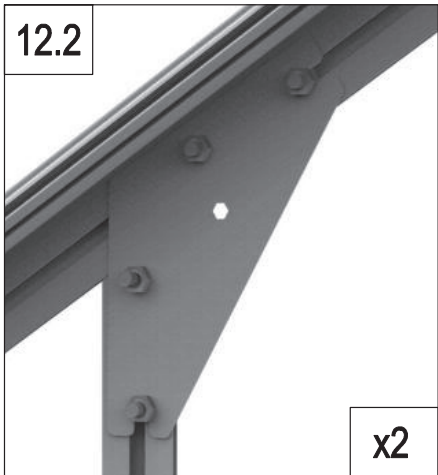
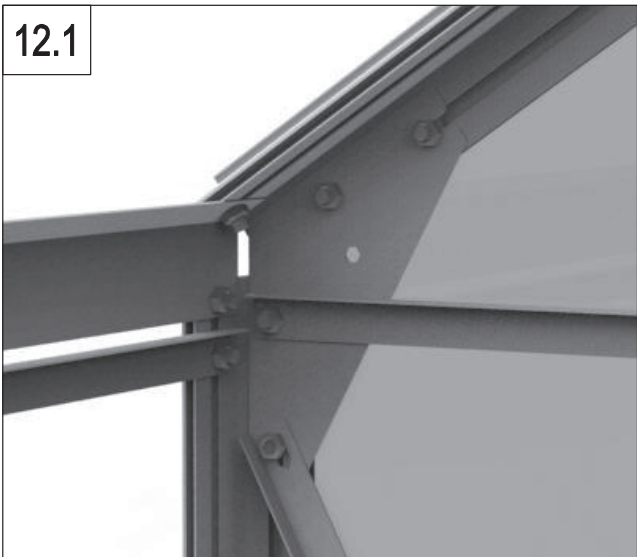
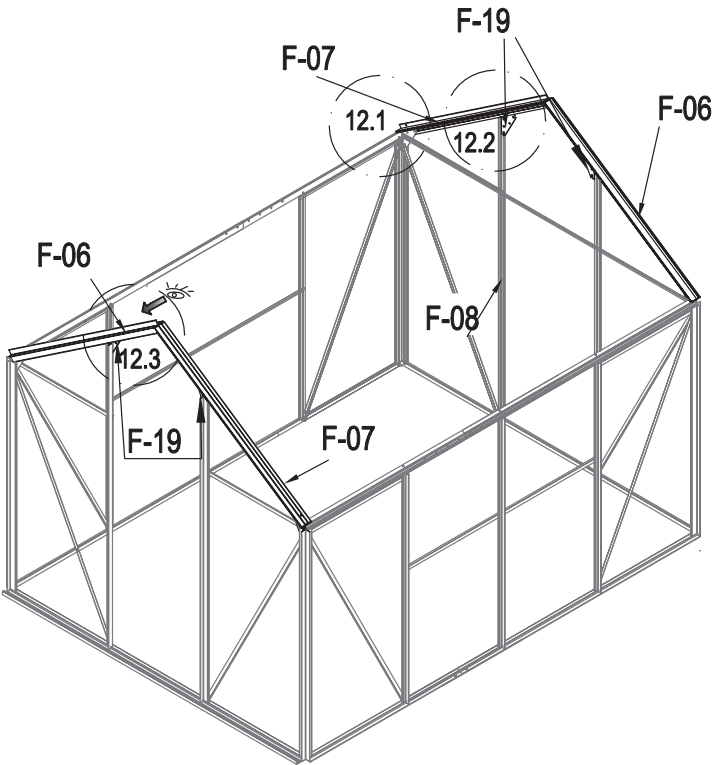
11.2 Slide two bolts each into F-08, F-09, F-10, and F-11.



11.3 Insert two bolts and nuts into the holes on the top edge of F-19b as shown. Do not tighten the nuts yet.

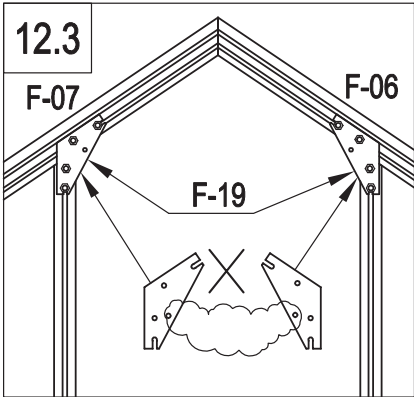
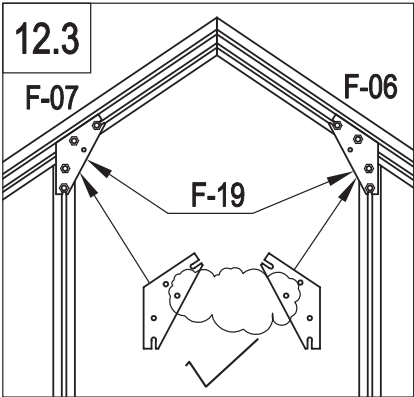


12.1 Insert F-06/07 through the bolts in F-19b and F-C06a/C06. Tighten the nuts.

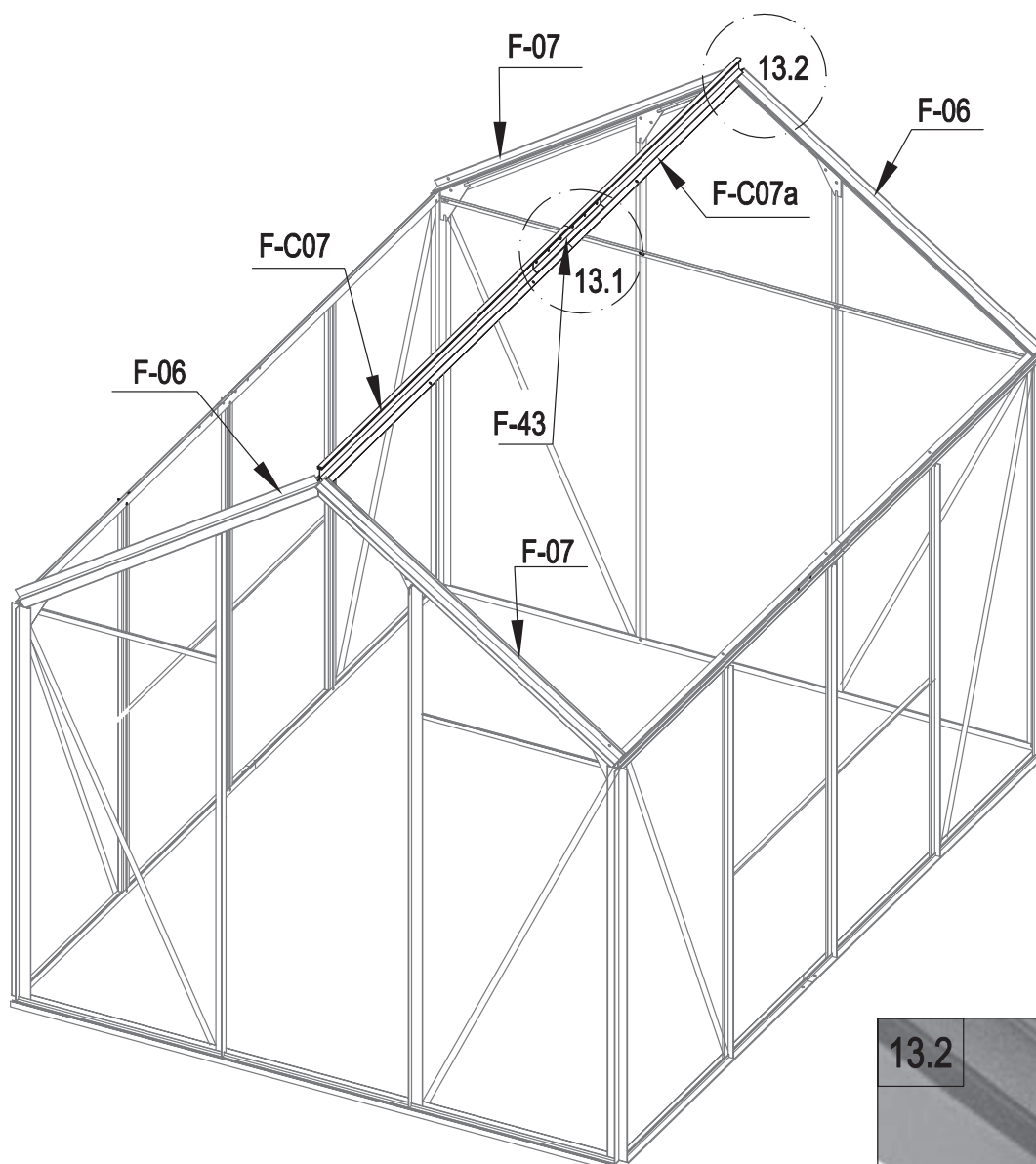


Parts used in this section.

Image	Item #	Quantity
	F-06	2
	F-07	2
	F-19	4
	F-C14	8

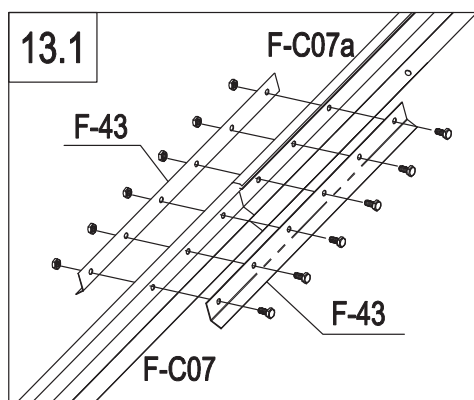


12.2 & 12.3 Slide two bolts into the grooves of F-06 and F-07. Then insert those bolts into the corresponding holes in F-19 and tighten.
NOTICE: Ensure that both units of F-19 are replaced with the side which has three holes vs 2 holes, facing upward.



Parts used in this section.

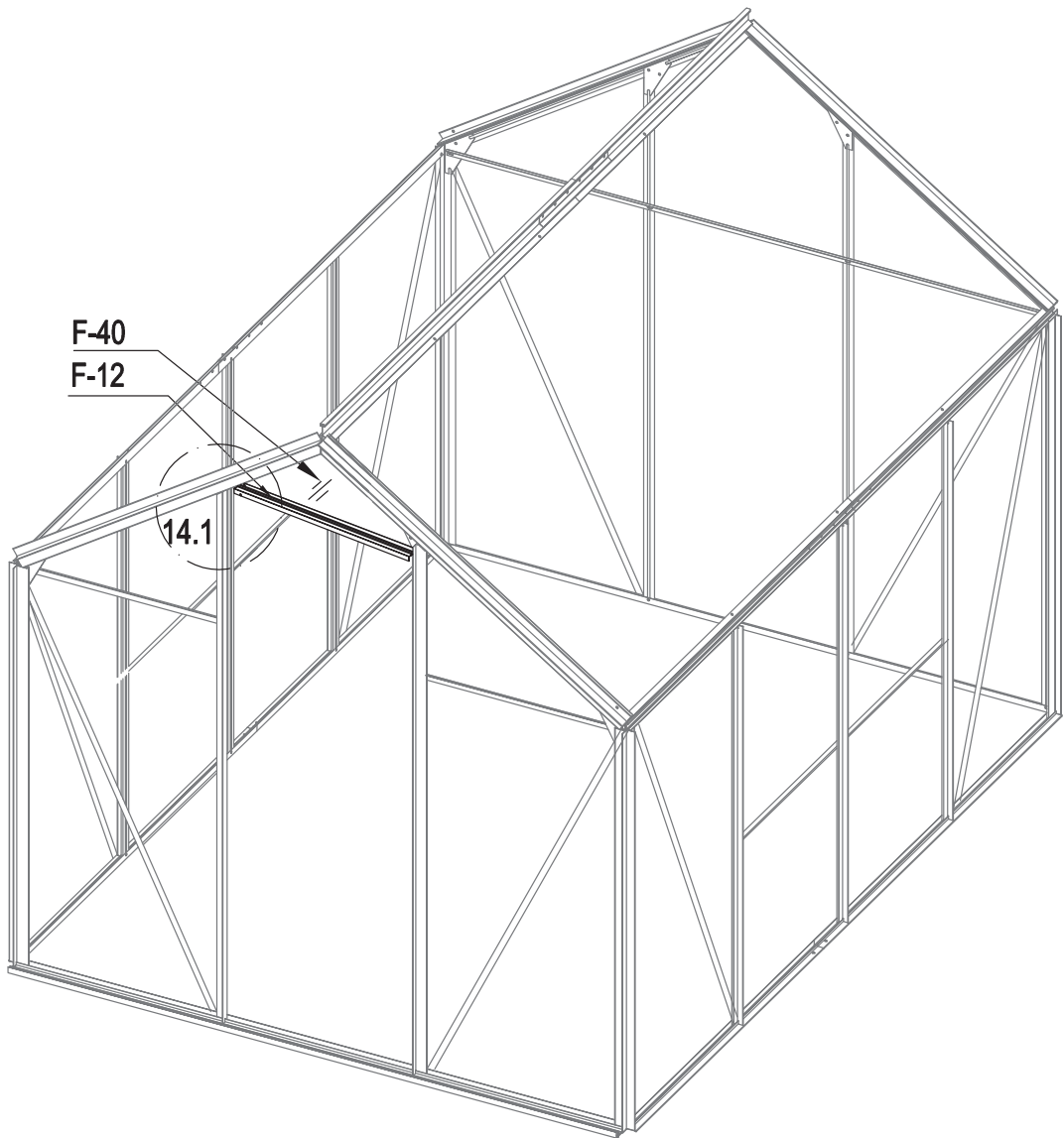
Image	Item #	Quantity
	F-C07	1
	F-C07a	1
	F-43	2
	F-C14	10



13.1 Connect F-C07 & F-C07a with F-43 by bolts and nuts.

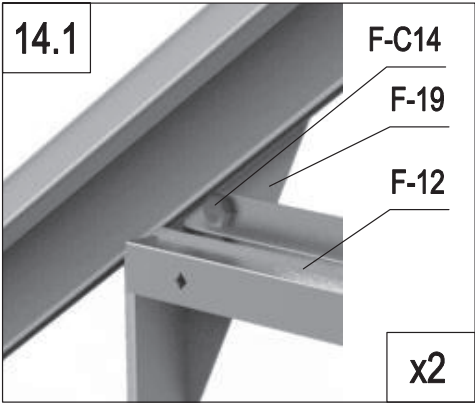
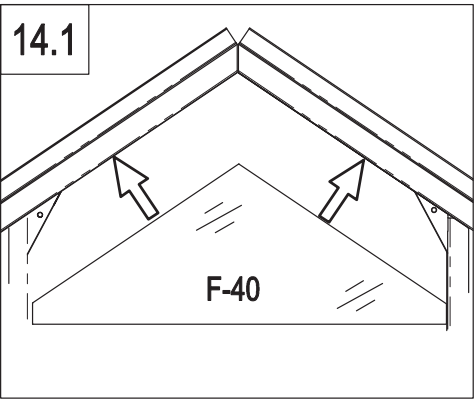


13.2 Insert one bolt each into F-06 and F-07, to secure to F-C07 and F-C07a, respectively.



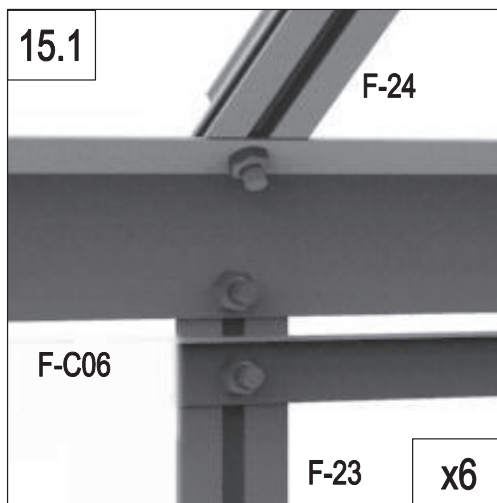
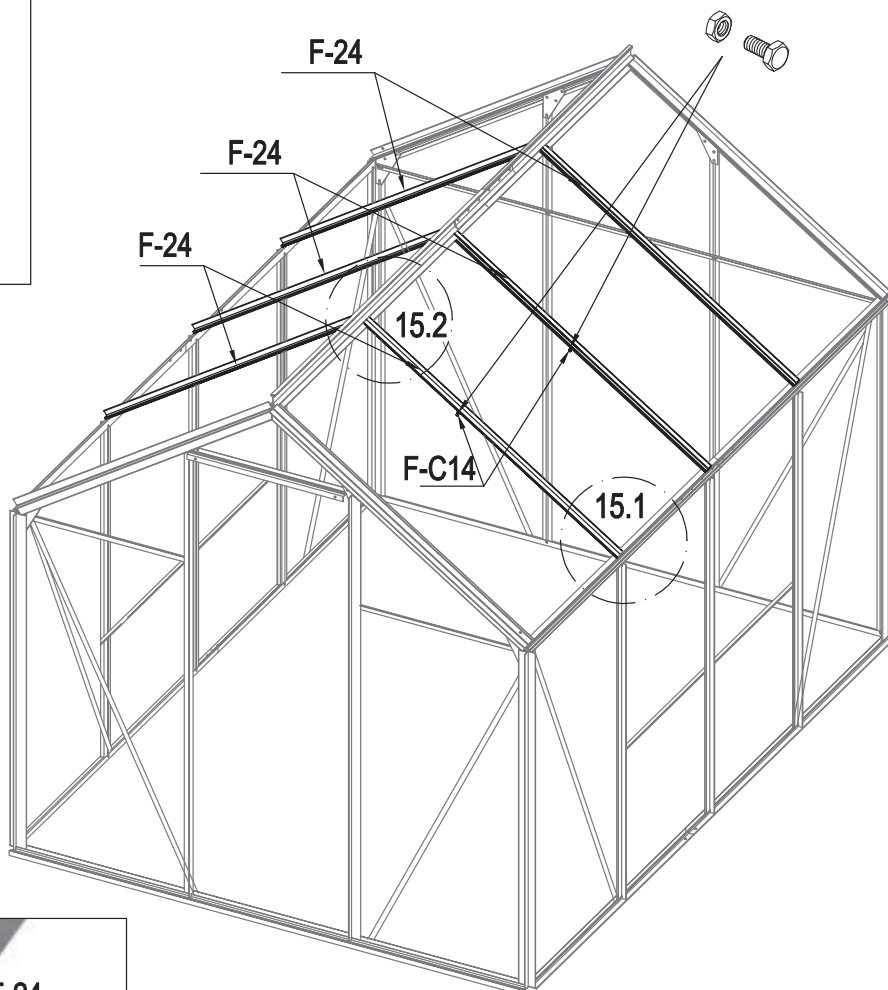
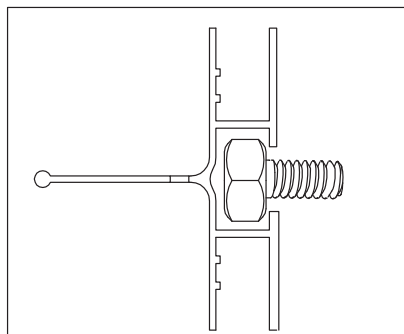
Parts used in this section.

Image	Item #	Quantity
	F-12	1
	F-40	1
	F-C14	2



14.1 Insert F-40 into the angle joining F-06 and F-07. Connect F-12 and F-19 by bolt & nut.

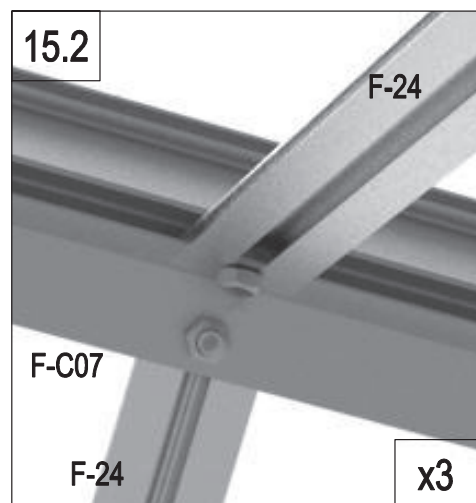
NOTICE: Insert one bolt into the two pieces of F-24, as shown on the diagram.



15.1 Insert F-24 to the bolt in F-C06 and F-C06a and tighten the nut.

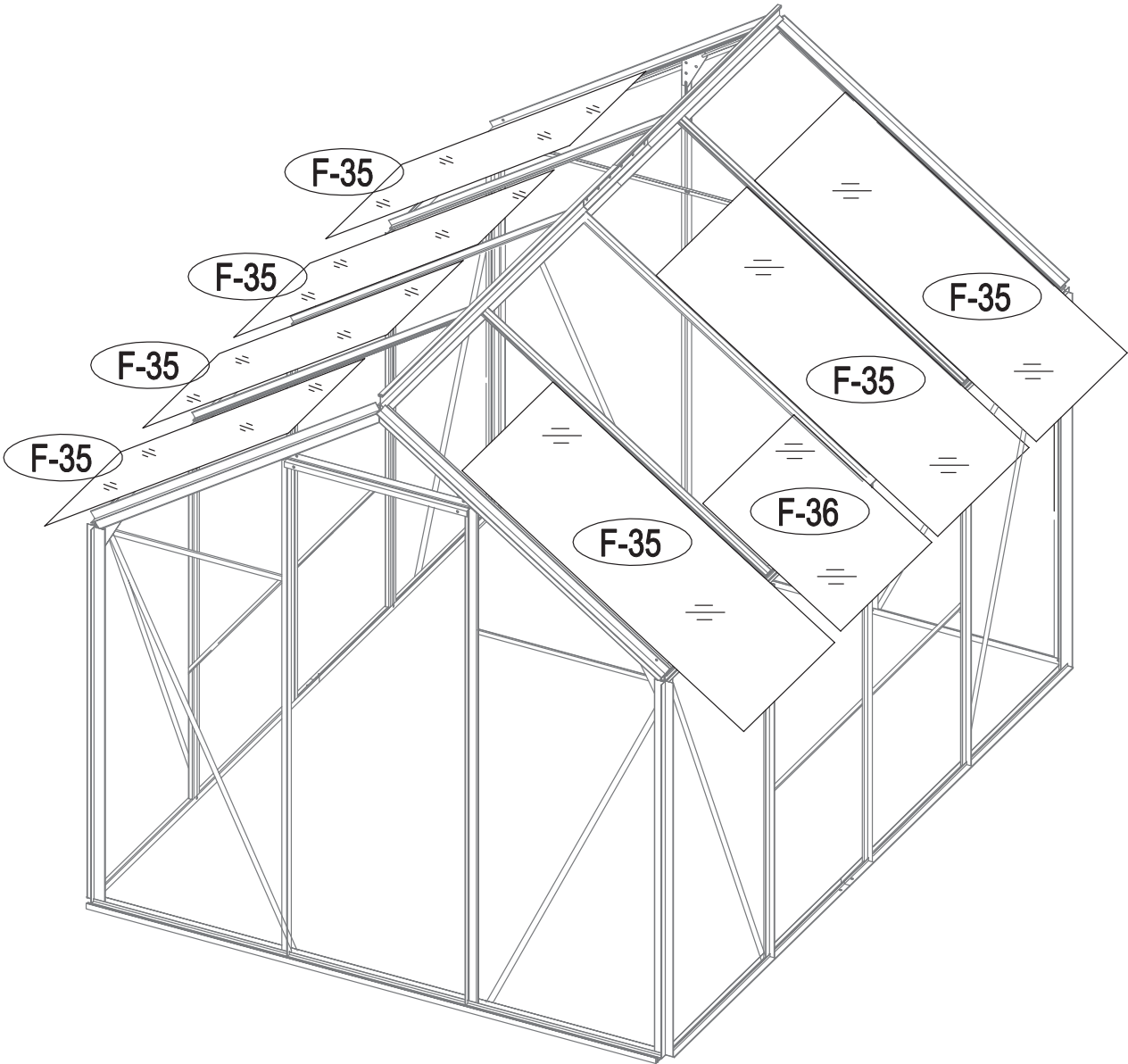
Parts used in this section.

Image	Item #	Quantity
	F-24	6
	F-C14	14

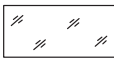


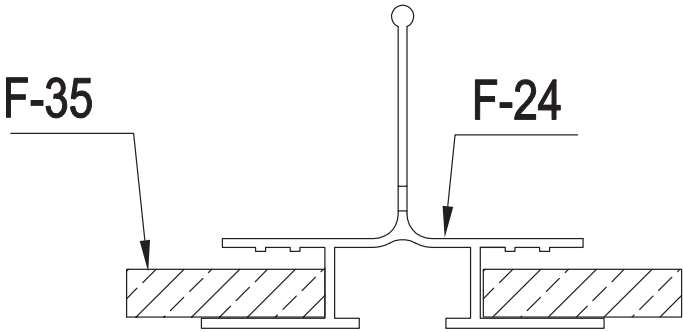
15.2 Slide a bolt into each of the six units of F-24 and insert those bolts into the holes of F-C07 and F-C07a and tighten.

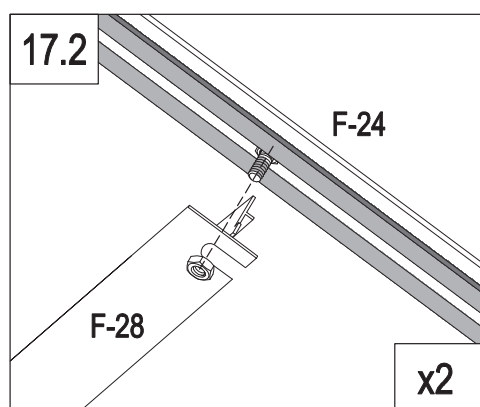
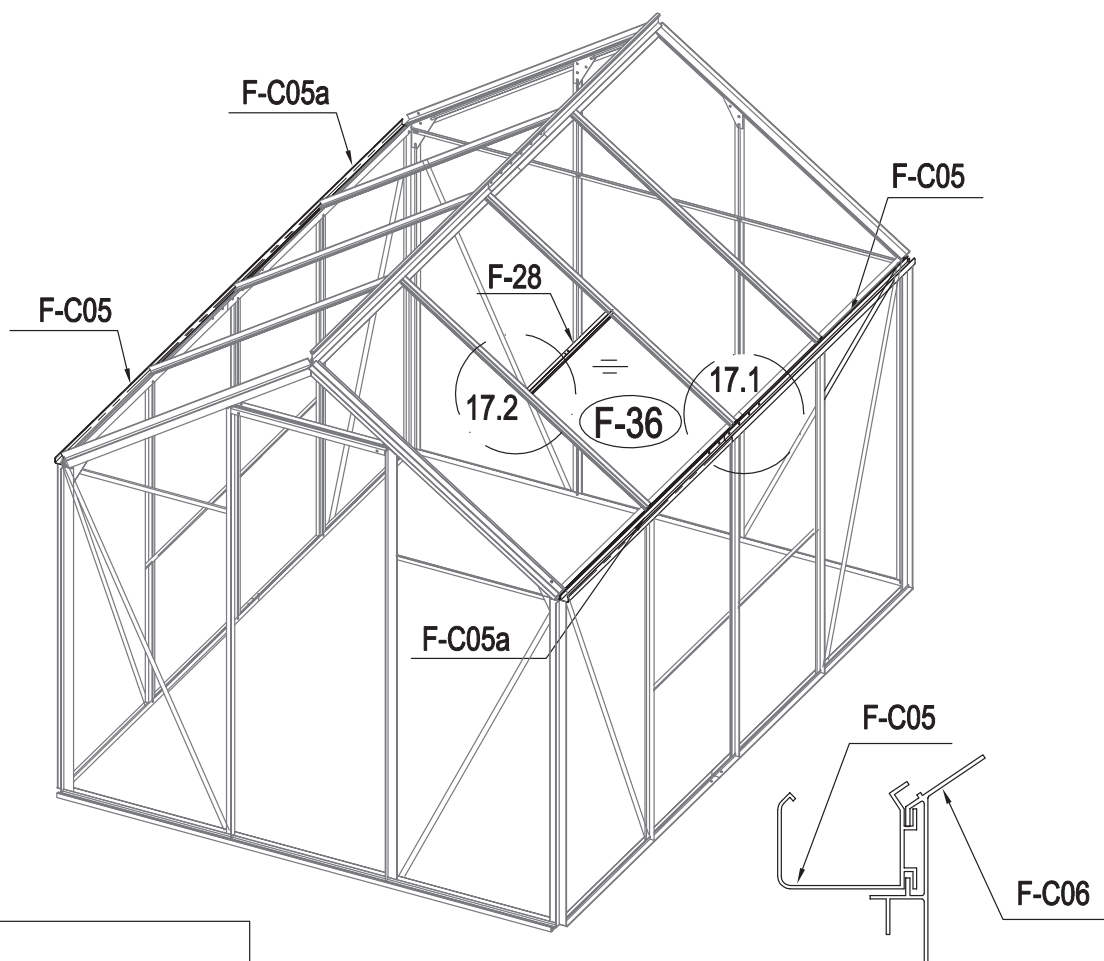
 **NOTICE:** Insert the panels into each designated section.



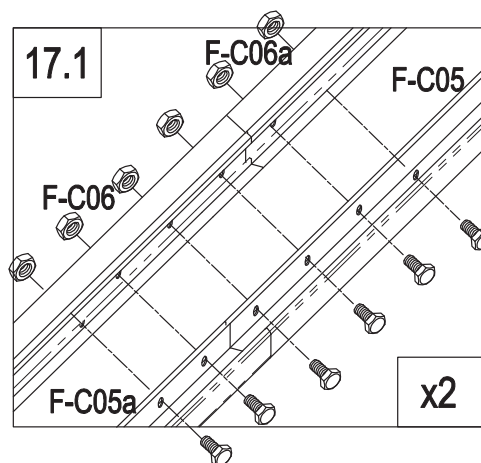
Parts used in this section.

Image	Item #	Quantity
	F-36	1
	F-35	7





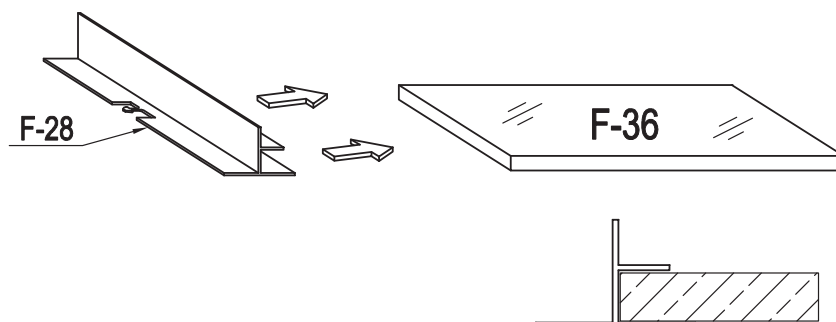
17.2 Insert F-28 with notch through the bolt in F-24 and tighten the nut.

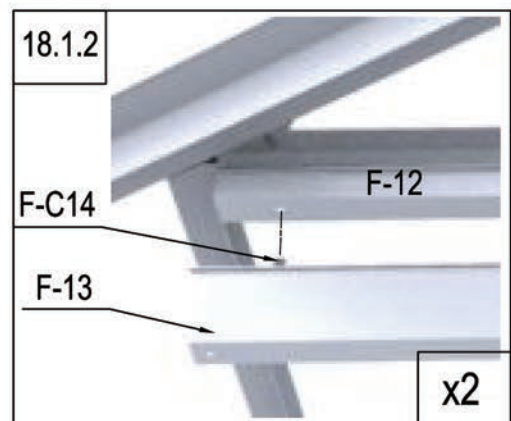
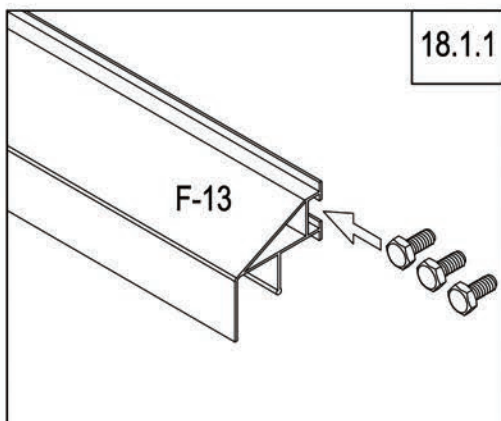
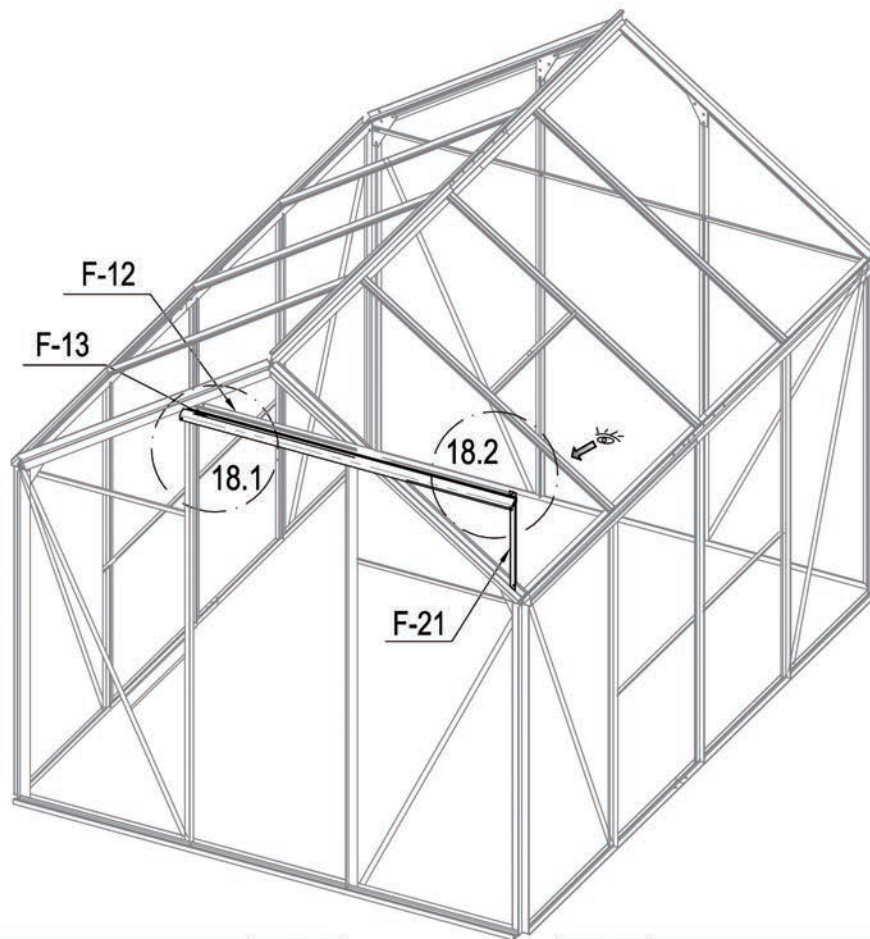


17.1 Slide F-C05 and F-C05a into F-C06 & F-C06a, then connect F-C05, F-C05a, F-C06 & F-C06a with bolts and nuts.

Parts used in this section.

Image	Item #	Quantity
	F-28	1
	F-C05	2
	F-C05a	2
	F-C14	12

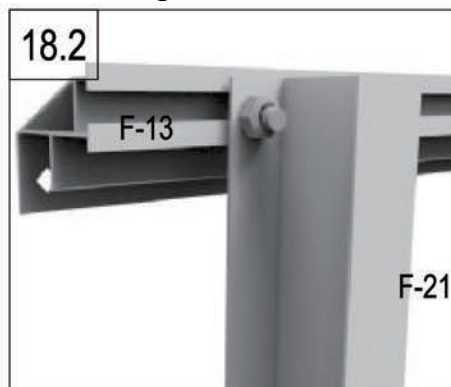




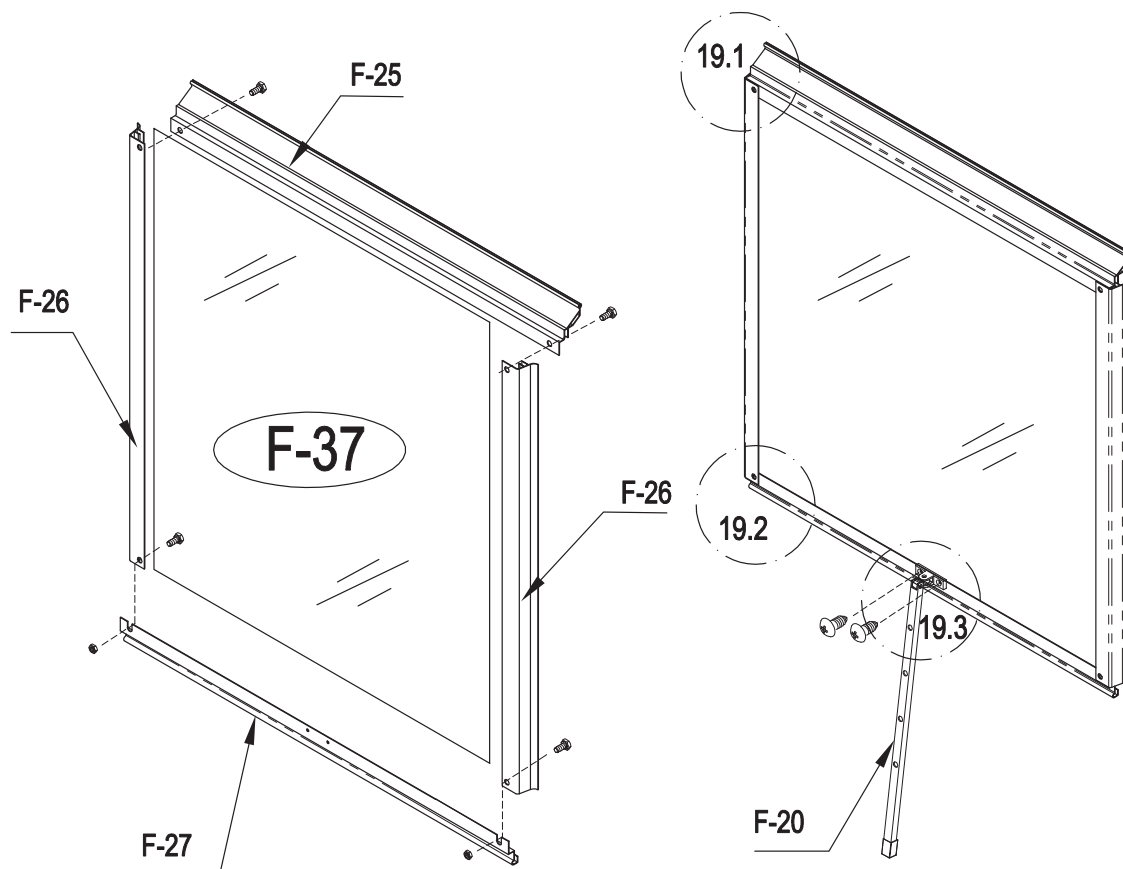
18.1 Slide three bolts into the grooves of F-13, then insert those same bolts through the holes in F-12, and tighten the nuts.

Parts used in this section.

Image	Item #	Quantity
	F-13	1
	F-21	1
	F-C14	4



18.2 Connect F-21 to F-13 and F-07 by bolts and nuts.



19.1 Slide two units F-26 over the sides of the F-37 window panel.

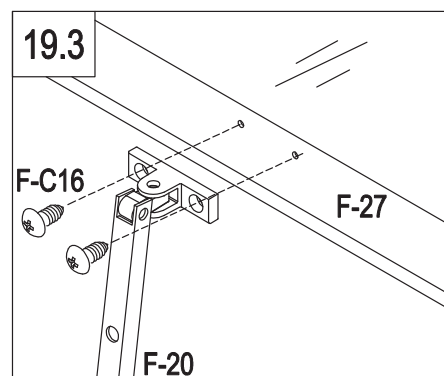
19.2 Slide F-27 over the bottom of the F-37 window panel.

Slide F-25 over the top edge of the window panel.

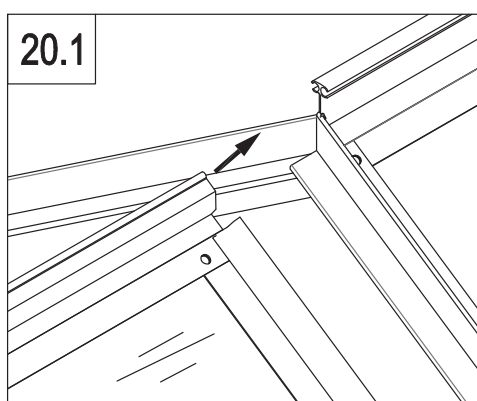
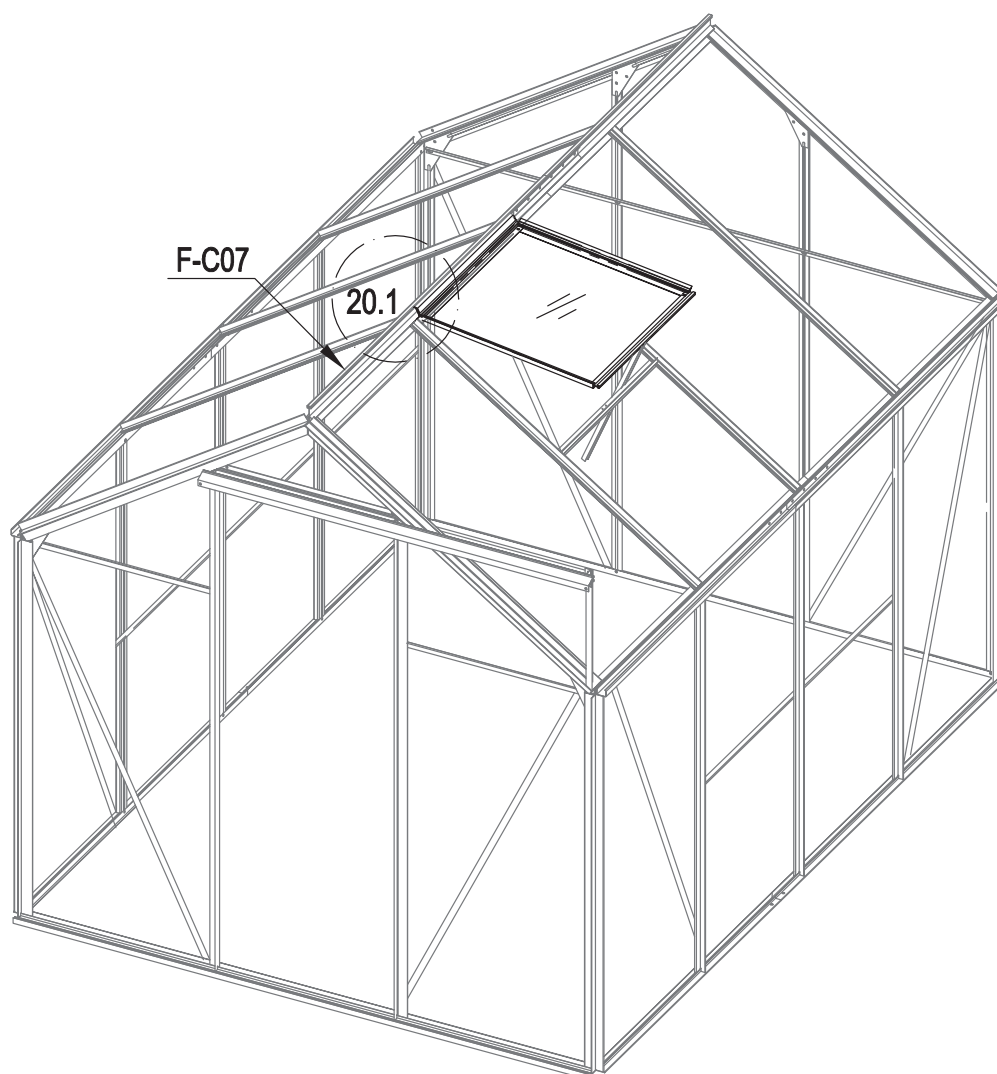
Secure with F-C14 nuts and bolts at all four corners.

Parts used in this section.

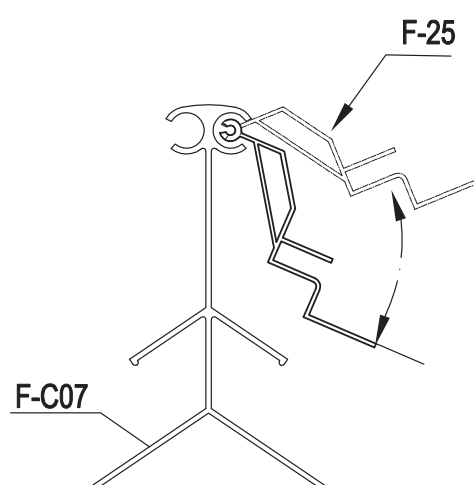
Image	Item #	Quantity
	F-25	1
	F-26	2
	F-27	1
	F-20	1
	F-37	1
	F-C16	2
	F-C14	4

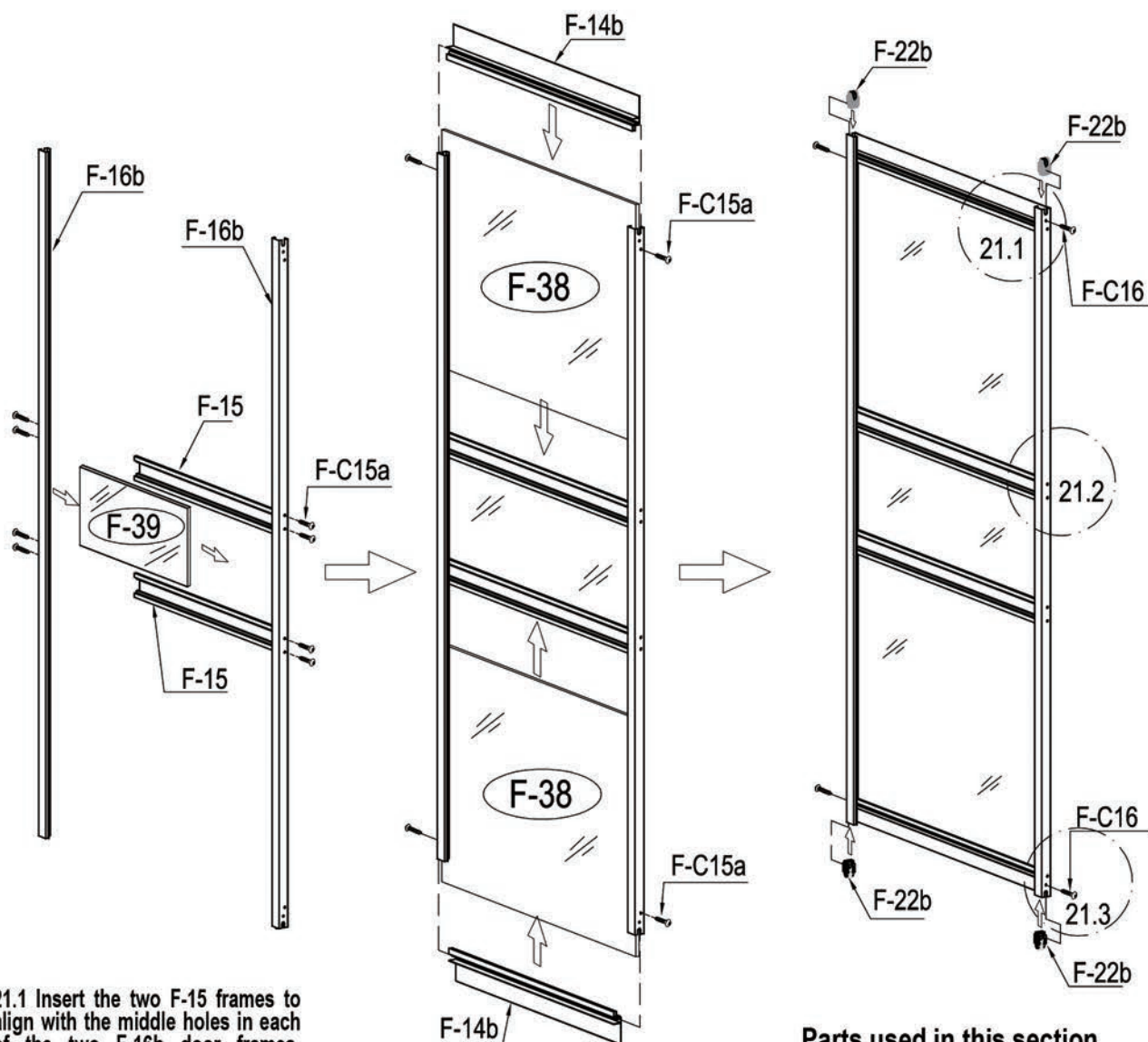


19.3 Attach F-20 to F-27 using two F-C16 screws.



20.1 Slide the window into F-C07, as shown above. You should be able to pivot it up and down.





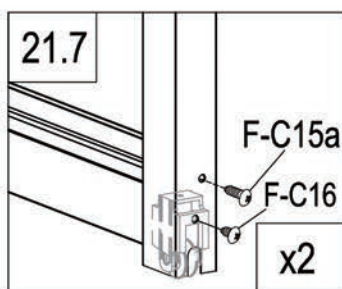
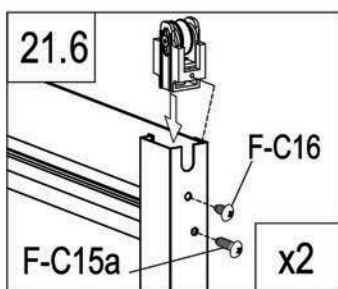
21.1 Insert the two F-15 frames to align with the middle holes in each of the two F-16b door frames. Secure with F-C15a screws to one side only for now.

21.2 Slide F-39 panel in the middle slot.

21.3 Slide F-38 panels in the top and bottom slots.

21.4 Secure the remaining F-16b using four F-C15a screws into the two F-15s.

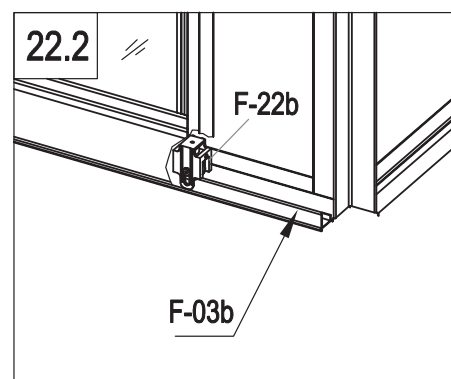
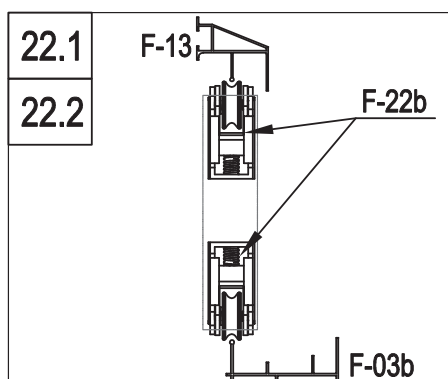
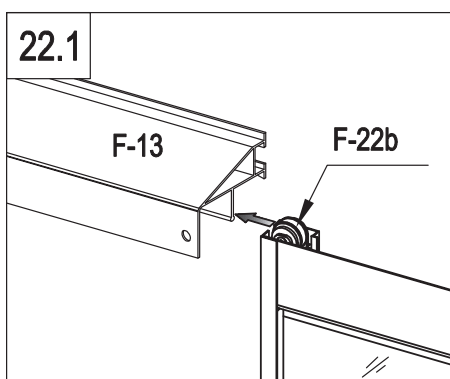
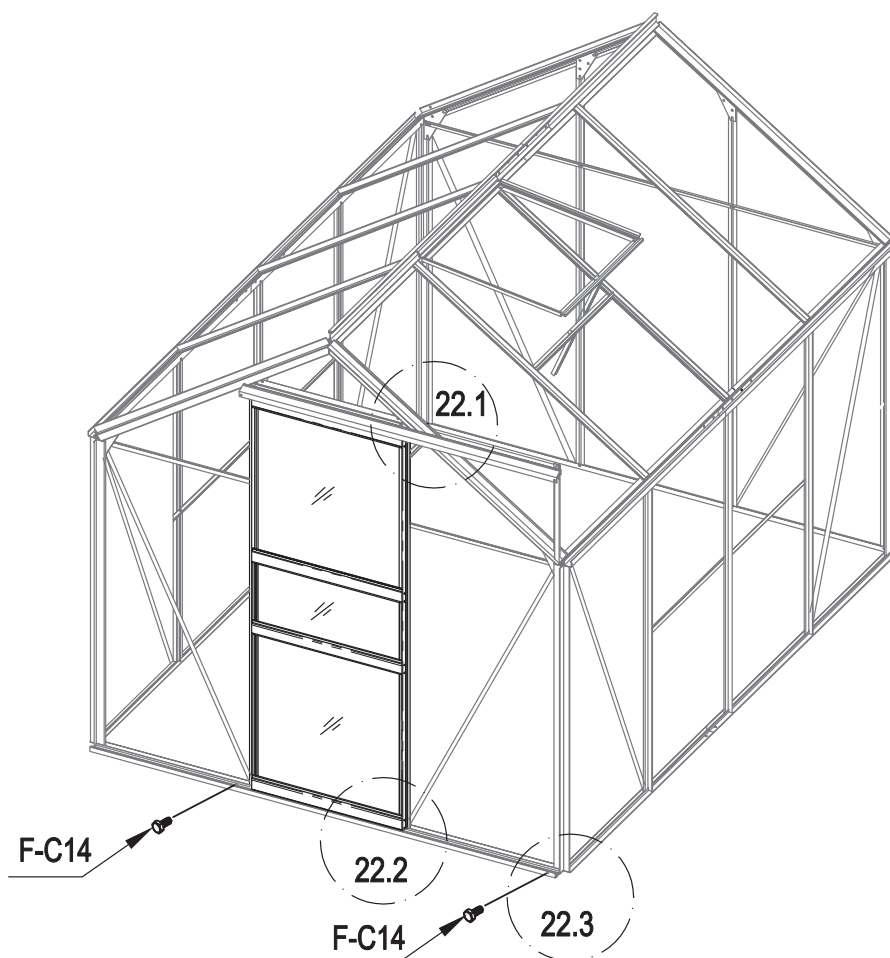
21.5 Cap off the top and bottom of the door with two F-14b frames.



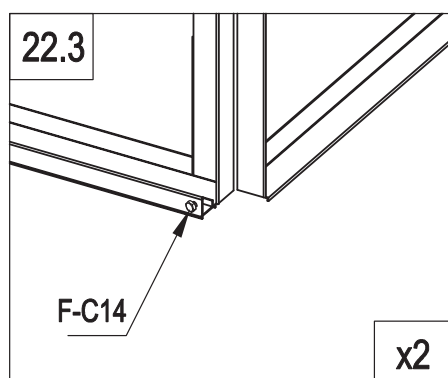
21.6 and 21.7 Insert the four F-22b pulley wheels into the tops and bottoms of the two F-16b frames. Secure closest holes to each of the pulley wheels with F-C16 screws, and furthest with F-C15a screws.

Parts used in this section.

Image	Item #	Quantity
	F-38	2
	F-39	1
	F-16b	2
	F-14b	2
	F-15	2
	F-22b	4
	F-C15a	12
	F-C16	4



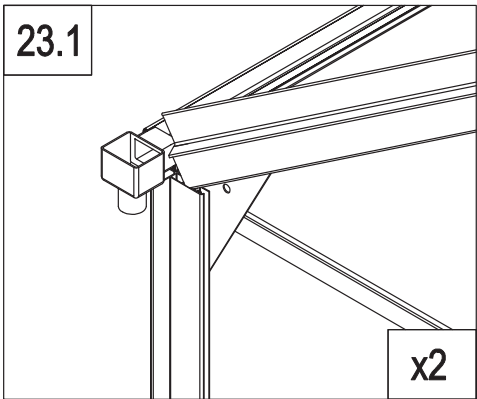
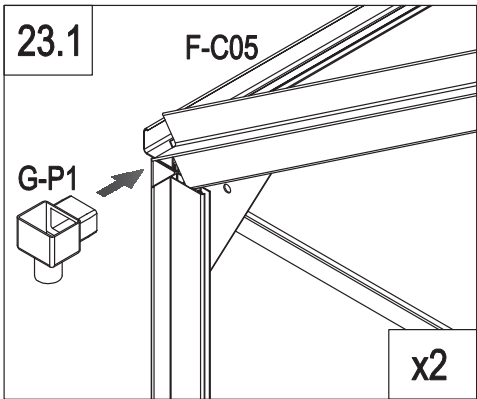
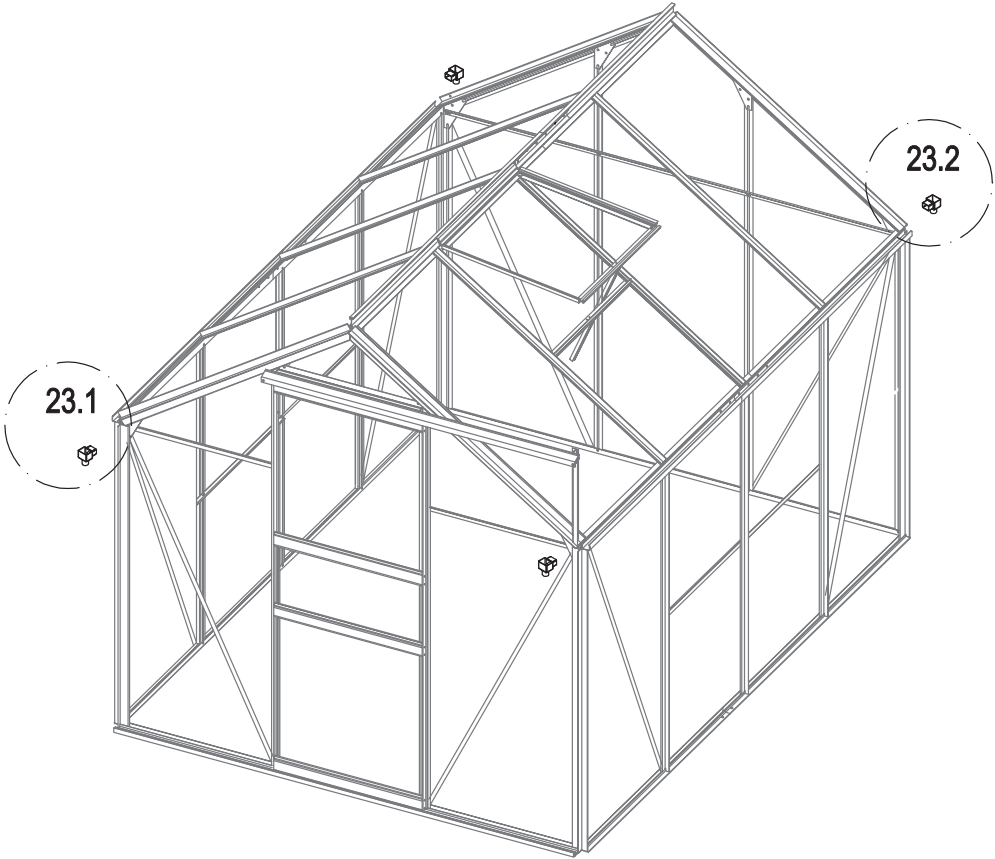
22.1 and 22.2 Slide the assembled door, ensuring the pulley wheels align to the middle notch of F-13 on top and F-03b on the bottom.



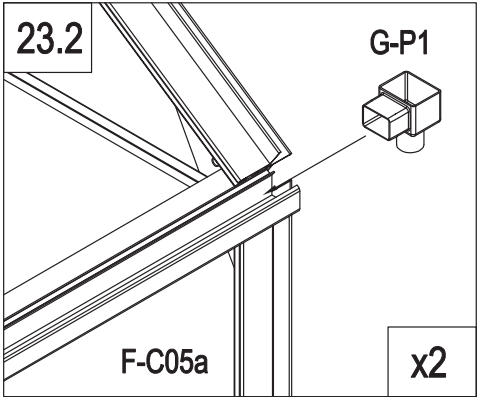
Parts used in this section.

Image	Item #	Quantity
	F-C14	2

22.3 Secure door frame with nuts and bolts at bottom corners.

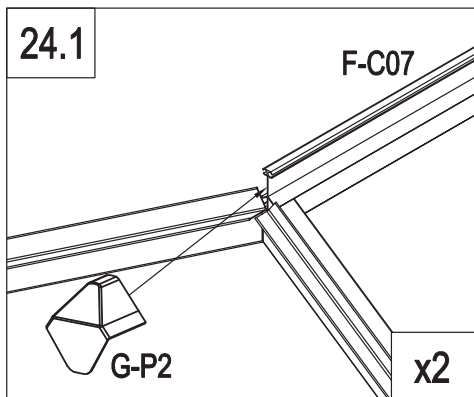
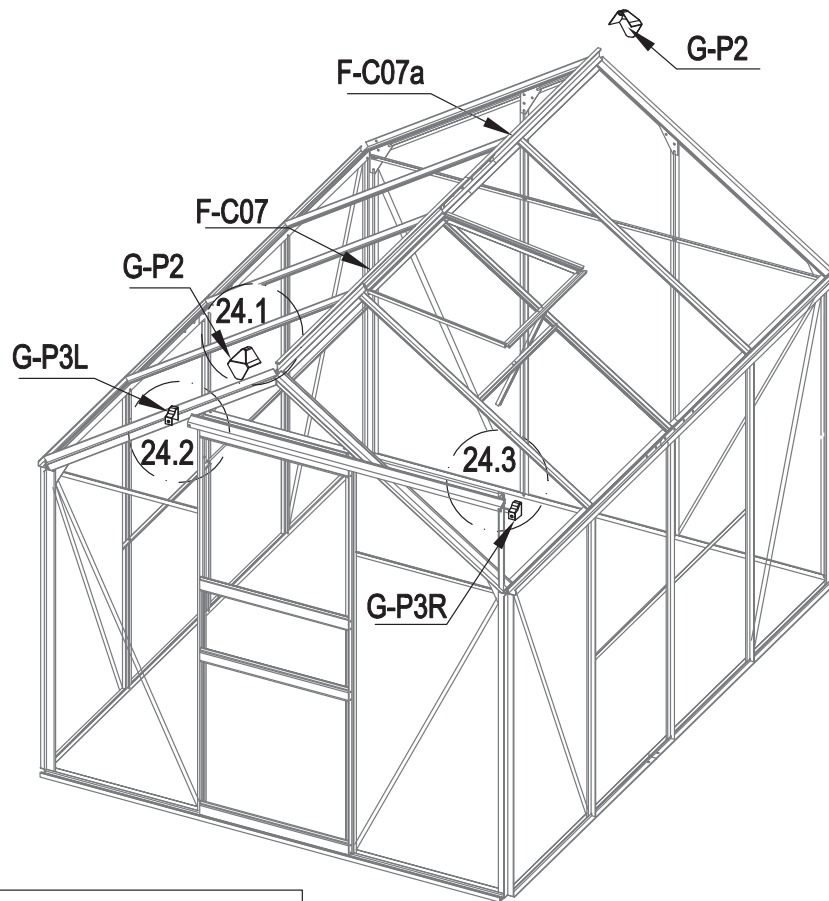


23.1 and 23.2 Insert four G-P1 units into the to pcorners of front and back walls of the greenhouse by sliding the rectangular section into each F-C05a panel.



Parts used in this section.

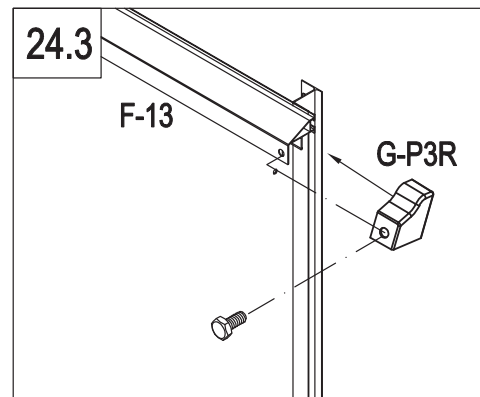
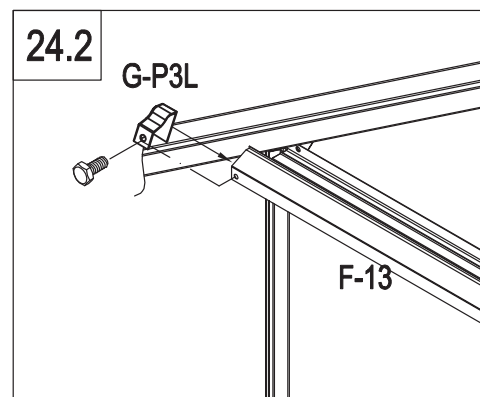
Image	Item #	Quantity
	G-P1	4



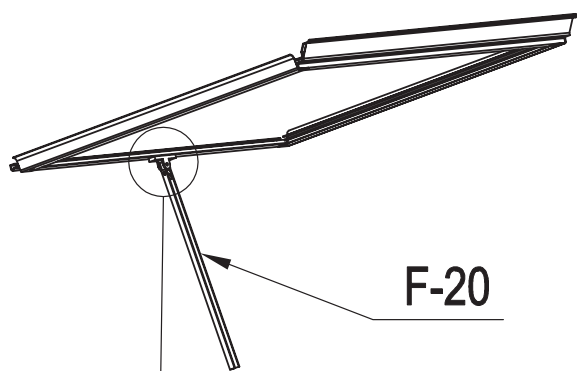
24.1 Slide the two G-P2 connectors into where F-C07 and F-C07a each joins F-06 and F07.

Parts used in this section.

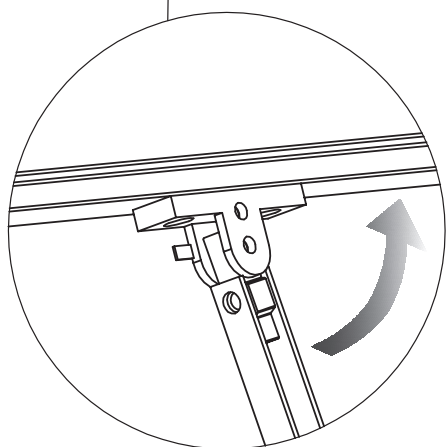
Image	Item #	Quantity
	G-P2	2
	G-P3L	1
	G-P3R	1
	F-C14	2



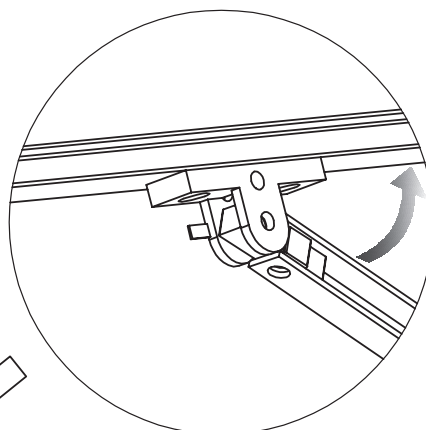
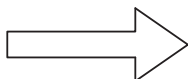
24.2 and 24.3 Cap off F-13 with G-P3L at the left end and G-P3R at the right end. Secure with nuts and bolts.



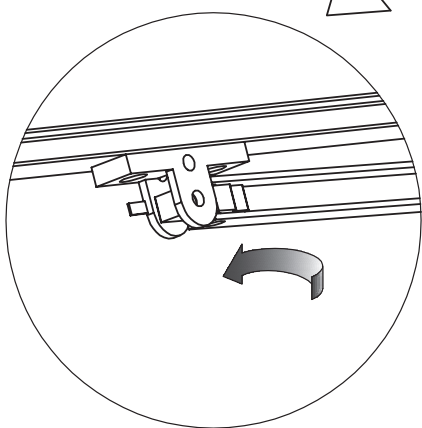
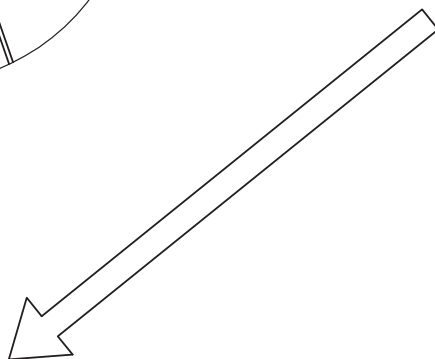
NOTICE: When the window is closed, the handle of F-20 could be rotated to the right and fixed in place.



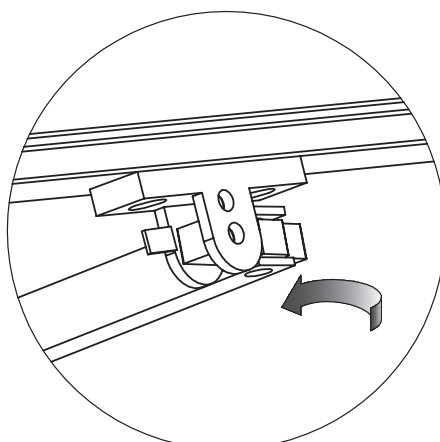
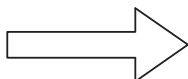
I



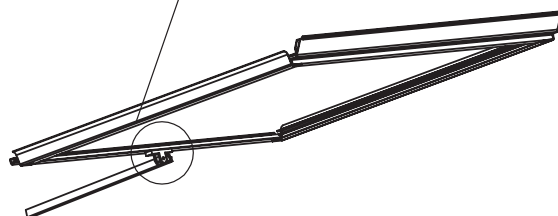
II

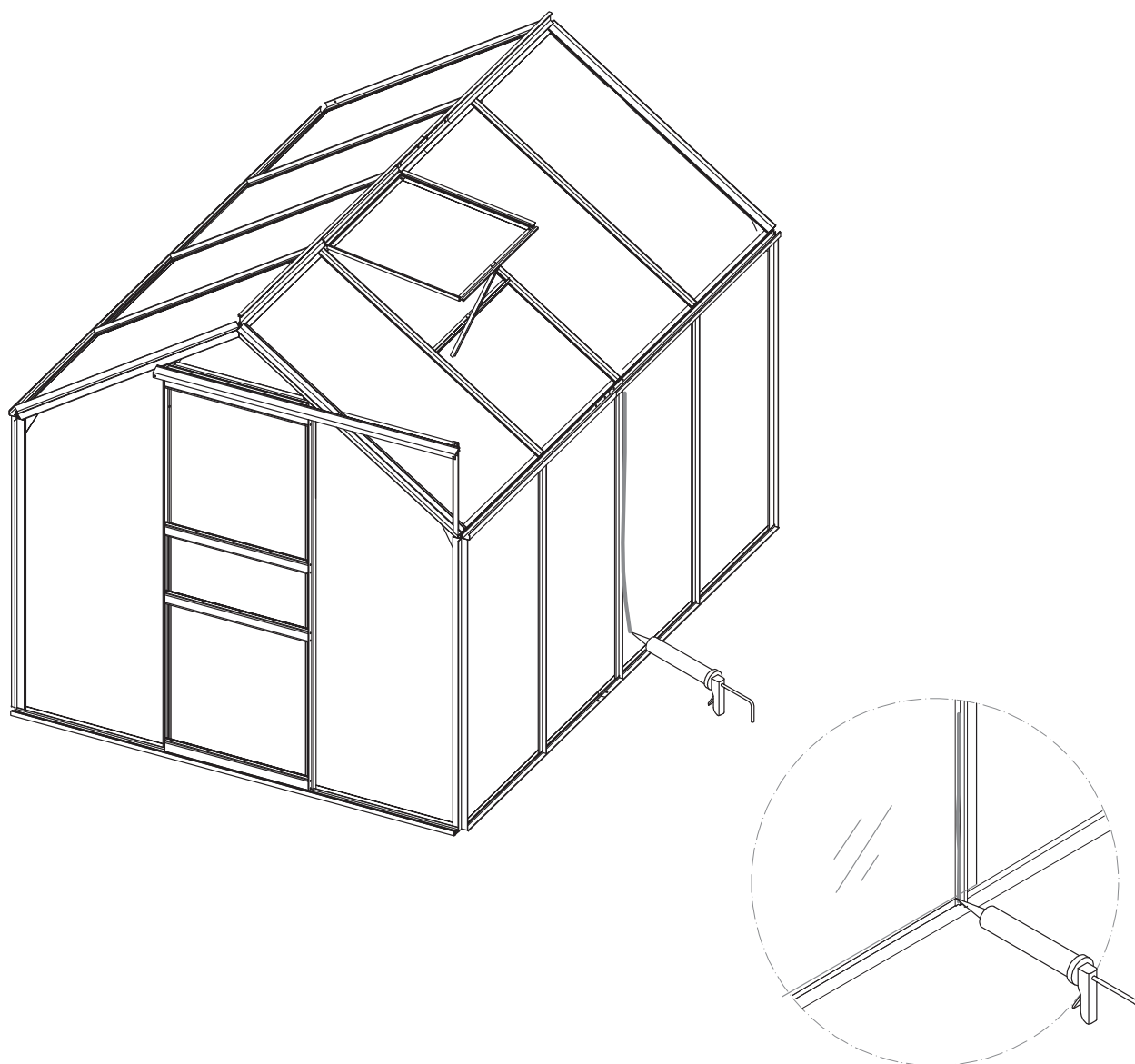


III



IV





! Advice

It is not necessary but we would advise:

For additional strength, you can also use some glue or tapes between the polycarbonate panel and the aluminium frame to enhance the stability.

Note:

Silicone sealant and glue gun are not included in our tool kit. You can buy them locally. Only use silicone sealant suitable for aluminium