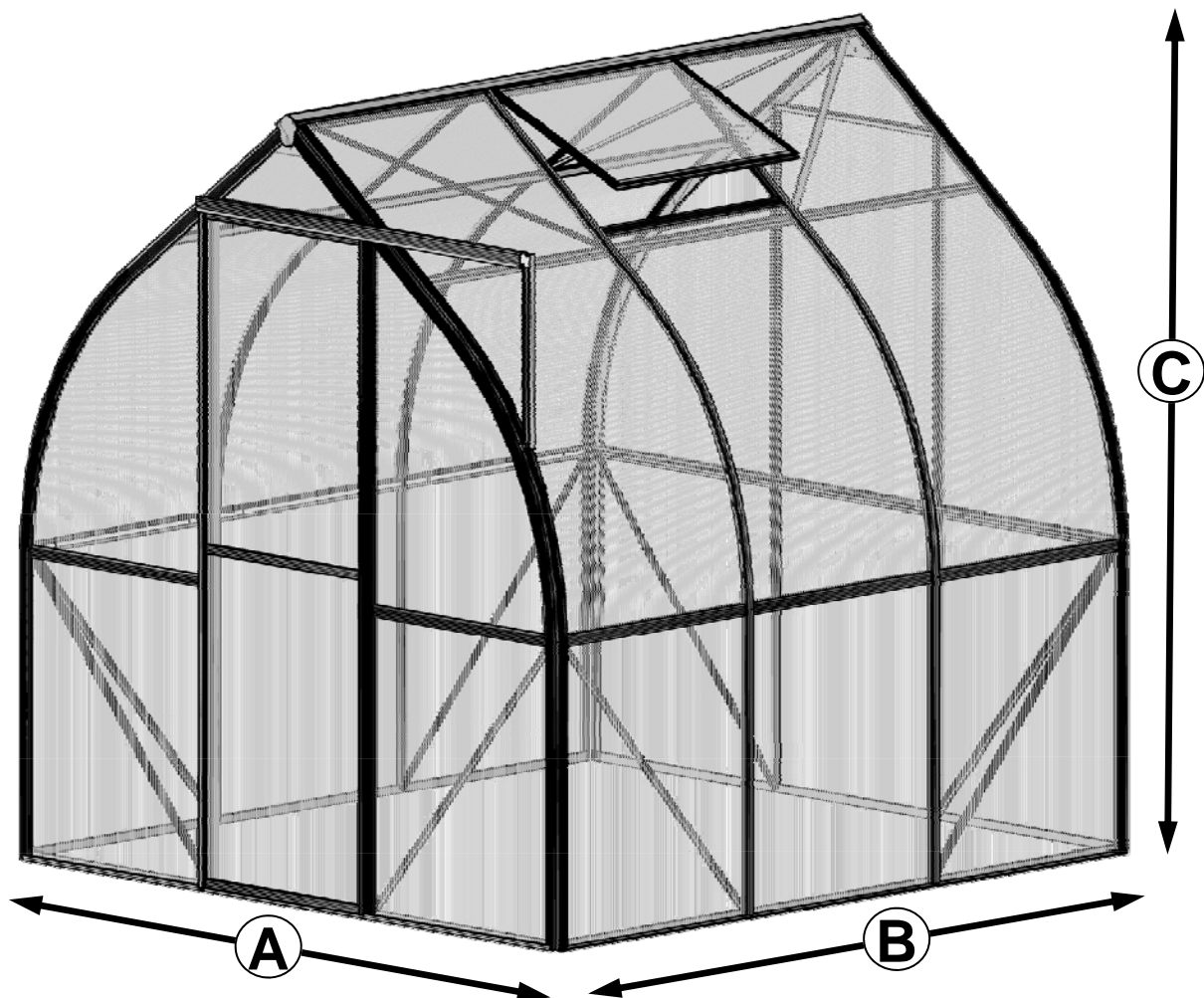


# A series greenhouse

## Assembly instructions



MODEL	A (mm)	B (mm)	C (mm)
A705	2098	1518	2183
A707		2234	
A710		2950	
A712		3666	
A714		4382	

## Walk-in Greenhouse

# Statement

## Dear Customer!

May we congratulate you on your new Greenhouse.

We feel sure that by following the detailed assembly instructions you will find as much pleasure in actually building the greenhouse as the time you will spend in your greenhouse in the future.

The assembly instructions mainly consist of detailed illustrations and no specific technical knowledge is required for the assembly of the greenhouse.

There are four packages for one set of Arched greenhouse totally.

The base is packed in one carton, no matter aluminum base or steel base.

The house frames are packed in two cartons, one for straight profiles and all of fittings, one for curved frames.

All the polycarbonate panels are packed in one carton.

All of the aluminum profiles are marked with a part number corresponding to the numbers given on the drawings and in the parts list. Nuts, bolts and fittings will be found in the relevant package.

All of the rear gable section straight frames are in package No.1

All of the front gable section straight frames are in package No.2

All of the roof/side wall section straight frames are in package No.3

All of the frames and components for the window are in package No.4

All of the frames and components for the door are in package No.5

The panels of Polycarbonate are not marked with a part number, but the sizes appear in the overview.

When fitting the Polycarbonate, the side with the opal film/text must turn outward.

## Accessories

We offer a wide range of accessories which contribute to a better yield and make life easier for the gardener. A selection of the range is shown in the supplements to these instructions. Your dealer will be pleased to assist you with further information and a special brochure.

## Winter Protection

In areas where snow might be expected we recommend the following in order to protect your greenhouse:

1. Support the ridge at the center of the greenhouse.
2. Removed larger snow loads.
3. Take precautions against snow falling down, for instance from a roof.

## Complaints

We put severe demands on quality to secure that you get a faultless product. However, should a problem occur, we kindly ask you to contact the dealer from whom you have bought the greenhouse. For a quick service, you should specify the extent of the defect by means of the parts list in the assembly instructions. Please also note the model number which is marked on the front page of these instructions.

## Guarantee

We grant a 10 year comprehensive guarantee which covers replacement or repairs of defective parts due to material or manufacturing defect. The guarantee does not cover polycarbonate, transport, erection. The guarantee is invalid if the greenhouse is not assembled according to these instructions.

## Insurance

Not all insurance companies automatically cover greenhouses. We recommend you contact your insurance company to ensure that you are covered.

# Statement

## Foundation

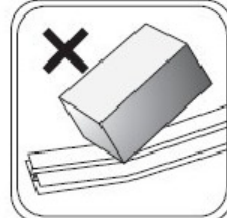
The base is not included in this delivery. However, we do recommend you buy our origin base easy to build.

The base is maintenance free and, of course all fittings are included. Remember to order concrete pipes and concrete at your local dealer as these are not included in the delivery.

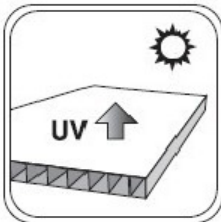
## Cautions



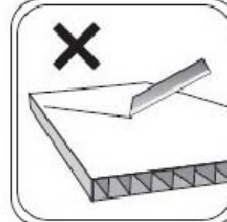
Remove approximately 2 inches of film from all sheet edges before installing. Remove all film immediately after the construction is completed.



Handle with care! Dropping can bend the frame, and it won't fit properly.



The UV-protected side of the sheet is covered with opal white film/text and must face towards the sun.



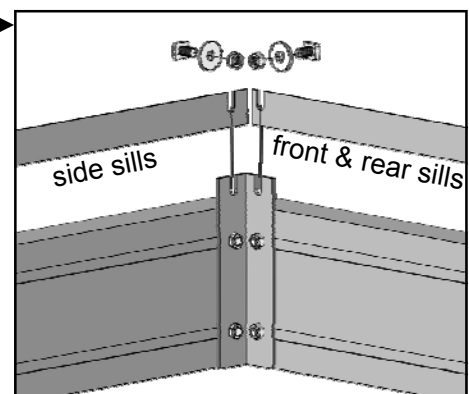
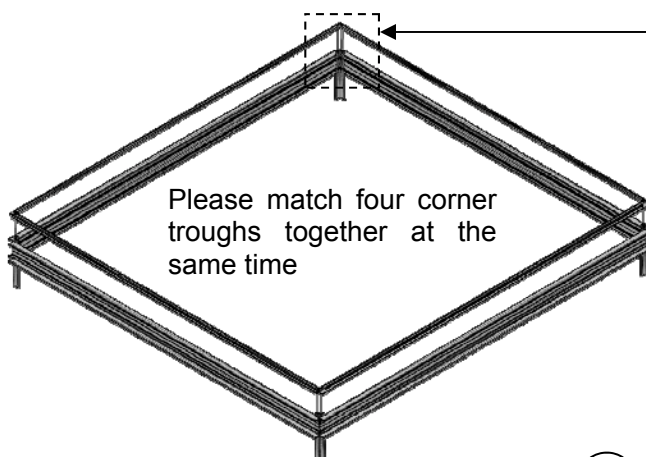
Keep sharp instruments away from the polycarbonate sheets.



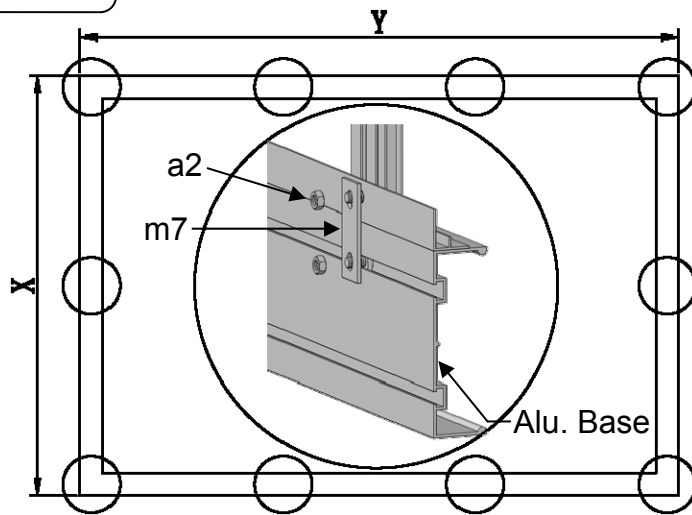
Please put on gloves avoid slitting your hands.


## Tips

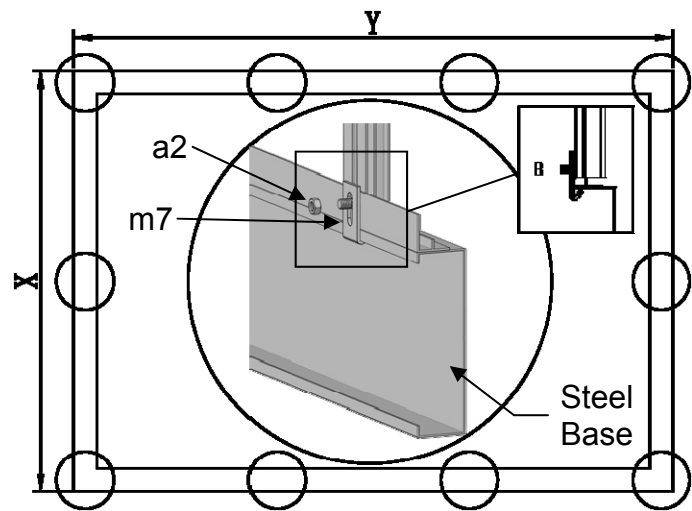
1. The base has to be fastened in a non-freezing depth(80cm).
2. The greenhouse is to be fastened to the base.
3. The base has to be 100% level and square. The easiest way to ensure this is to make sure that the two diagonal measurements are identical.
4. We recommend that you grease screws for doors and windows for easier assembly.
5. Erection of the greenhouse should only take place in calm and dry weather.
6. All frames are to be assembled around the polycarbonate as shown on the drawings. We recommend that you start with the back gable.
7. **IMPORTANT** Before assembling aluminum base, the end trough centers of four legs should match both end trough centers of side sills and front & rear sills at the same time.




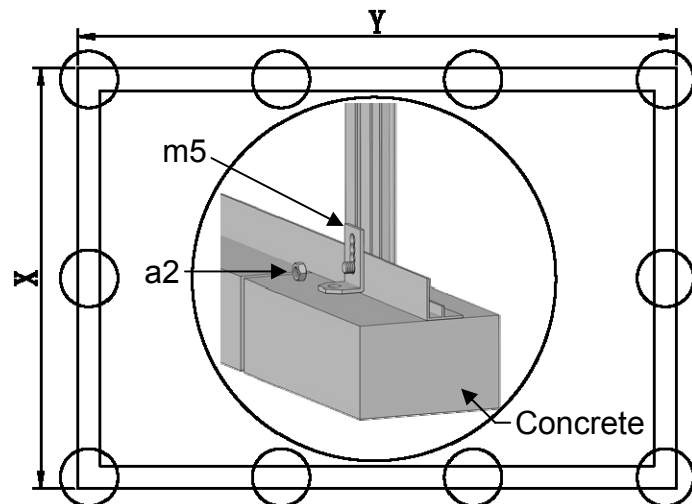
# Base




	
#	m7
A705	6
A707	8
A710	10
A712	12
A714	14



	
#	m7
A705	10
A707	12
A710	14
A712	16
A714	18

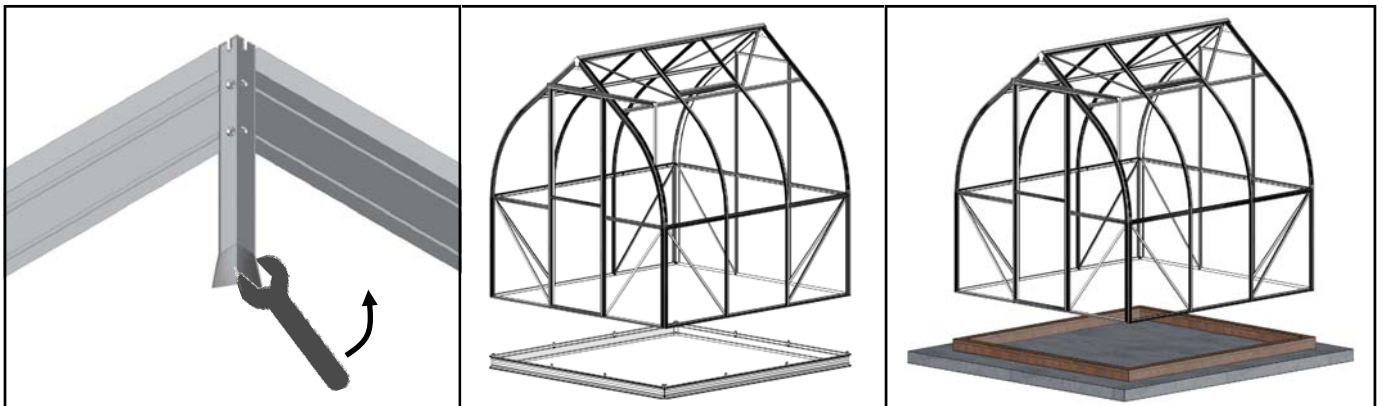
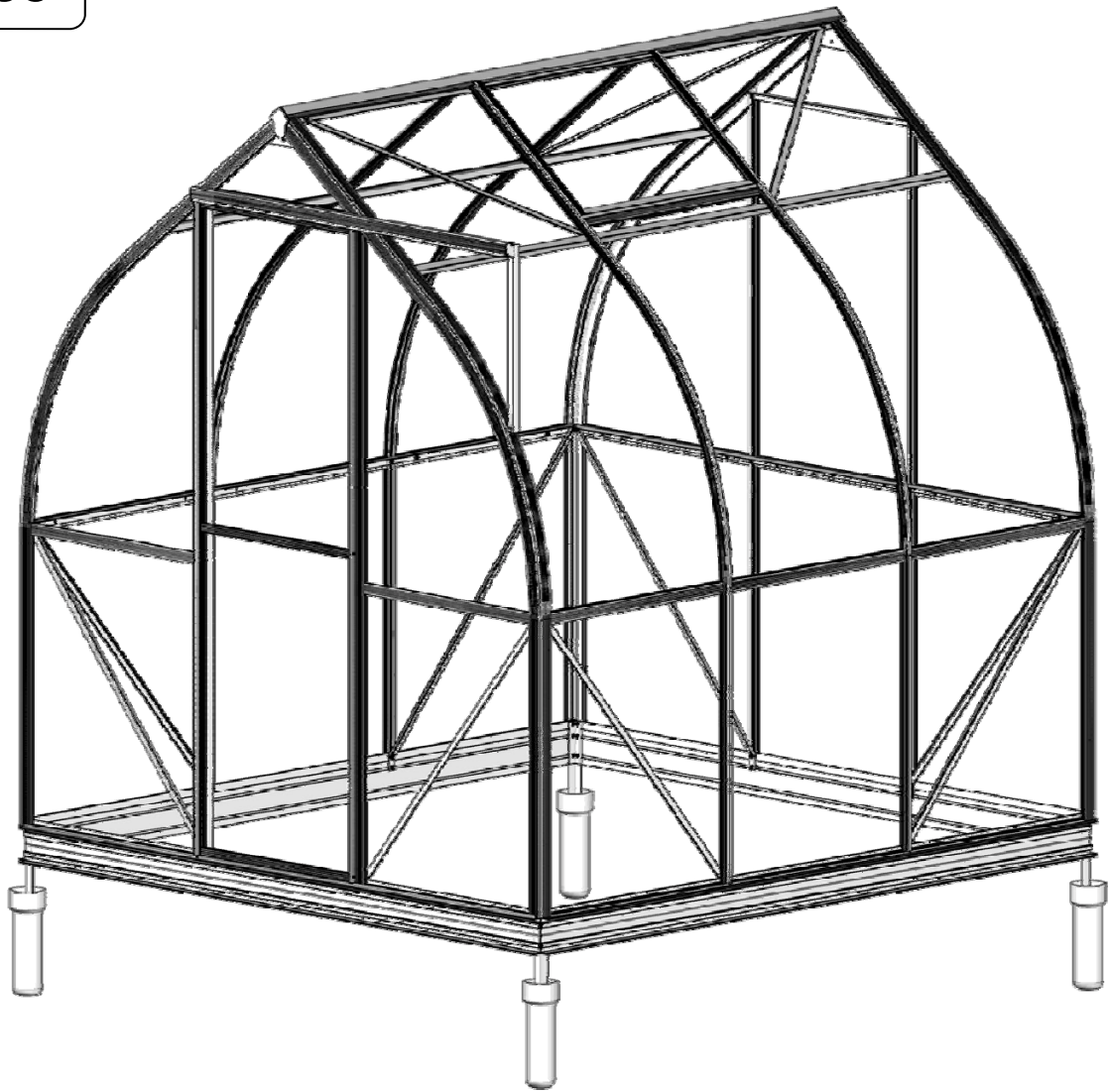


	
#	m5
A705	10
A707	12
A710	14
A712	16
A714	18

	X	Y
A705	2098	1518
A707	2098	2234
A710	2098	2950
A712	2098	3666
A714	2098	4382

	X	Y
A705	6'11"	5'
A707	6'11"	7'4"
A710	6'11"	9'8"
A712	6'11"	12'
A714	6'11"	14'5"

## Base

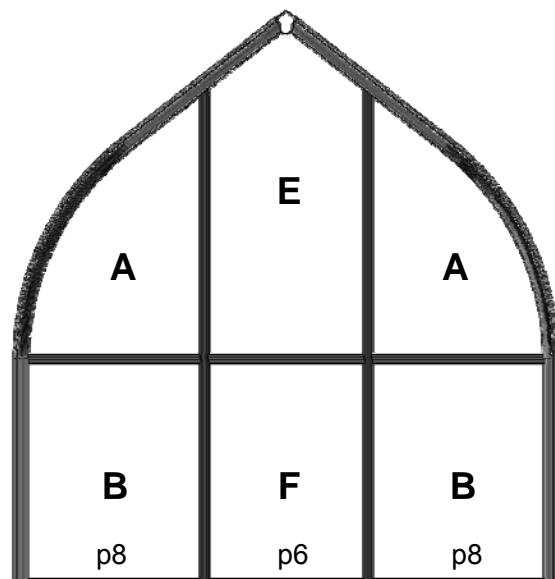
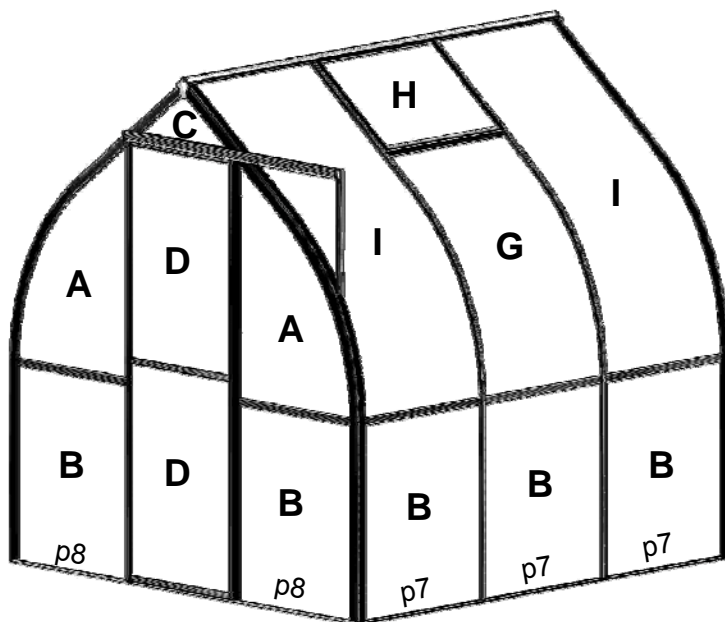


The left illustration shows length and width marked with “X” and “Y”. Part No. m5 shows a bracket used to secure the inside base when not using the original supplier’s foundation.

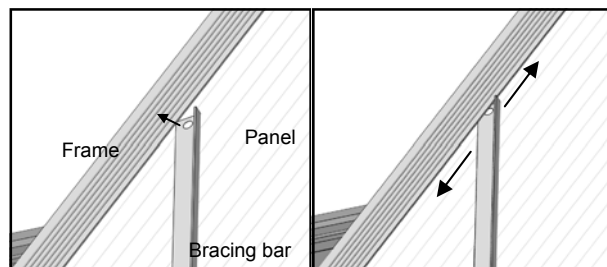
Prior to the assembly of the greenhouse, you should have a 10 mm nut driver, 10 mm open-end wrench, Philips head and slotted screw driver, spirit level, and some WD-40 lubricant.



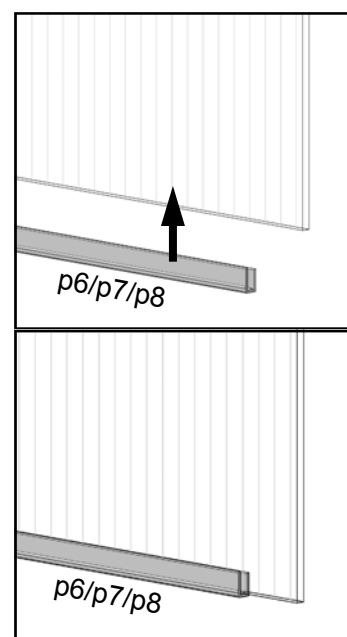
# Polycarbonate sheet



**Note: If panel edge can't enter into alu. Frame channel, please use a bracing bar to squeeze panel edge into channel.**



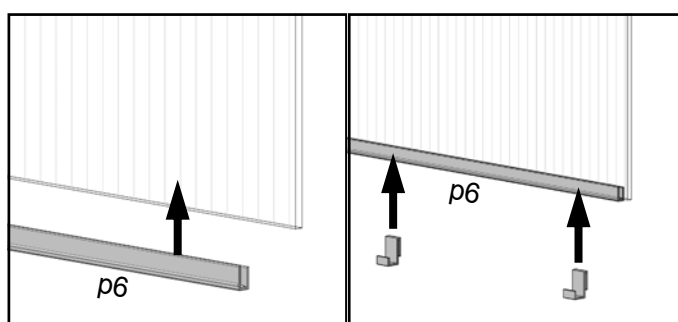
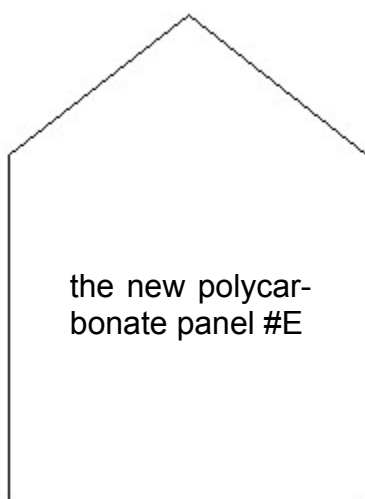
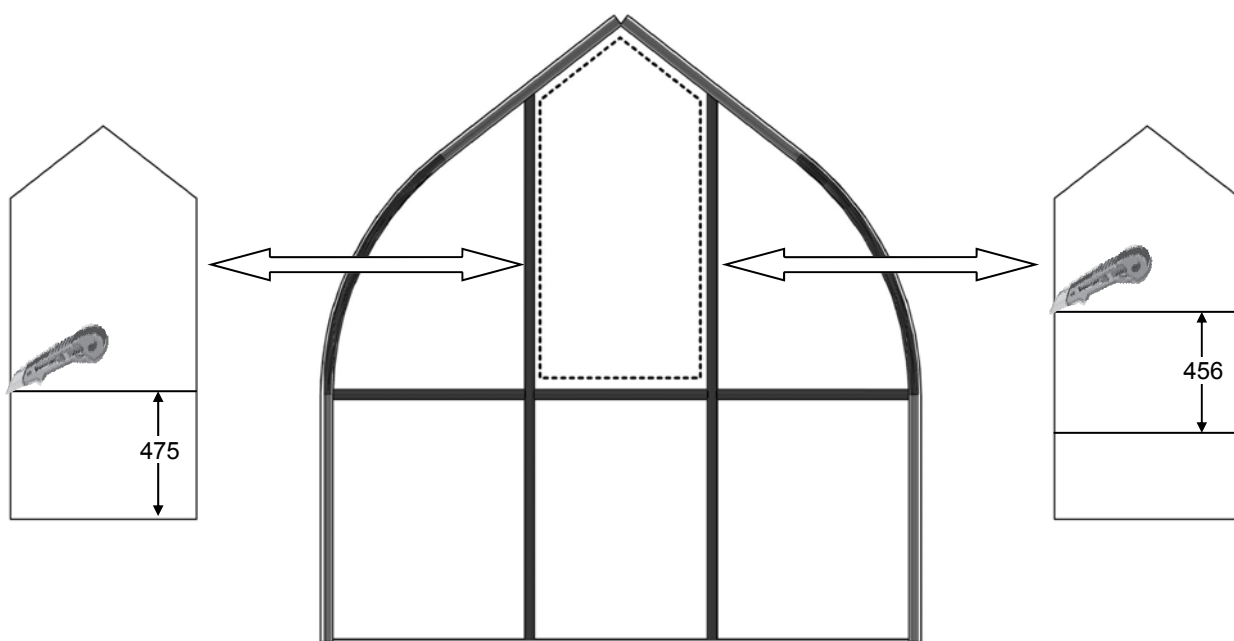
#	Size	A705	A707	A710	A712	A714
A	700x1049	4	4	4	4	4
B	700x842	8	10	12	14	16
C	592x16/247/16	1	1	1	1	1
D	610x915	2	2	2	2	2
E	610x1057/1296/1057	1	1	1	1	1
F	610x842	1	1	1	1	1
G	700x1160	1	1	2	4	4
H	696x506	1	1	2	4	4
I	700x1717	3	5	6	6	8
p6	592	1	1	1	1	1
p7	682	4	6	8	10	12
p8	660	4	4	4	4	4



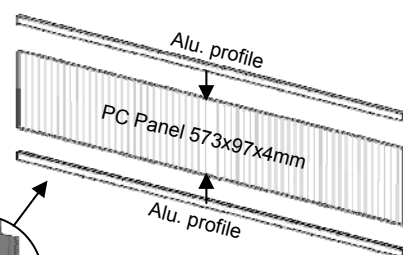
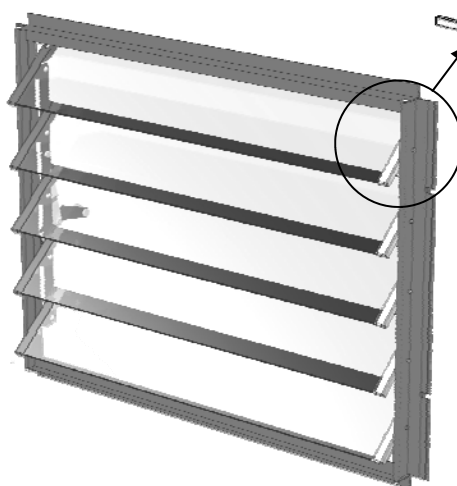
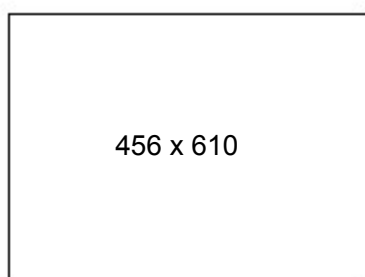
This page shows the positioning of the polycarbonate panels for the front and rear gable as well as the roof and the sides. It also indicates where the parts #P6, #P7 and #P8 are used. When fitting parts #P6/P7/P8 on the ends of the panels, try using a narrow piece of bar soap through the part first. It will allow it to slide on much easier. #P6/P7/P8 must be fitted on one end of polycarbonate in advance before polycarbonate be inserted into aluminum frame. The square illustration on the page shows the placement of the gray plastic U shape strips. To transfer the size of the panels from mm to inches, divide by 25.4.

# Louvre

Louvre is an optional extra and is not included in the price.
































































Using **Alu. clip**  
to connect louvre and PC panel



L	573 x 97	5
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# The list of Section

Section	Part No.	Profile	Size	A705	A707	A710	A712	A714	Section	Part No.	Profile	Size	A705	A707	A710	A712	A714	
R E A R	701		2567	1					R O O F / S I D E	040		1116	4	4	4	4	4	
	702		2567	1						741		900	3	4	4	4	4	
	005		1915	1						042		683	4	6	8	10	12	
	006		1915	1						743		2561	2	4	6	8	10	
	708		642	1						V E N T	042		683	1	1	2	4	4
	009		684	2							044		698	1	1	2	4	4
	010		594	1							045		698	1	1	2	4	4
	711		2027	1							746		525	2	2	4	8	8
	012		1102	2							047		300	1	1	2	4	4
	713		2035	1							048		200	1	1	2	4	4
F R O N T	703		2567	1					D O O R	049		594	1	1	1	1	1	
	704		2567	1						050		594	2	2	2	2	2	
	009		684	2						051		1870	2	2	2	2	2	
	012		1102	2						054		537	1	1	1	1	1	
	014		1915	1														
	015		1915	1														
	716		2035	1														
	718		594	1														
	719		1245	1														
R O O F / S I D E	020		1481	1						a1		M6x10	75	86	100	118	128	
	021		2197		1					a2		M6	82	95	113	137	149	
	022		2913			1				a3		M6x18	2	2	2	2	2	
	023		3629				1			a4		Φ4.2x9.5	4	4	8	16	16	
	024		4345				1			a5		Φ3.5x19	12	12	16	24	24	
	025		1460	2						a6		Φ3.5x25	2	2	2	2	2	
	026		2176		2					a7		Φ4x8	2	2	2	2	2	
	027		2892			2				a8		M6x15	3	5	7	9	11	
	028		3608				2			a9		M6x10 Crop	2	2	4	8	8	
	029		4324				2			a10		Φ3x10	2	2	2	2	2	
	030		1452	2						a11		M3	2	2	2	2	2	
	031		2168		2					m1		-	2	2	2	2	2	
	032		2884			2				m3		-	4	4	6	10	10	
	033		3600				2			m6		-	1	1	1	1	1	
	034		4316				2			n1		-	2	2	2	2	2	
	035		1452	2						p1		-	2	2	2	2	2	
	036		2168		2					p3		-	2	2	4	8	8	
	037		2884			2				p4		-	2	2	2	2	2	
	038		3600				2			p5		-	2	2	2	2	2	
	039		4316				2			p6		592	1	1	1	1	1	
								p7		682	4	6	8	10	12			
								p8		660	4	4	4	4	4			
								m11		-	1	1	1	1	1			
								FLUFF		3.8m	1	1	1	1	1			



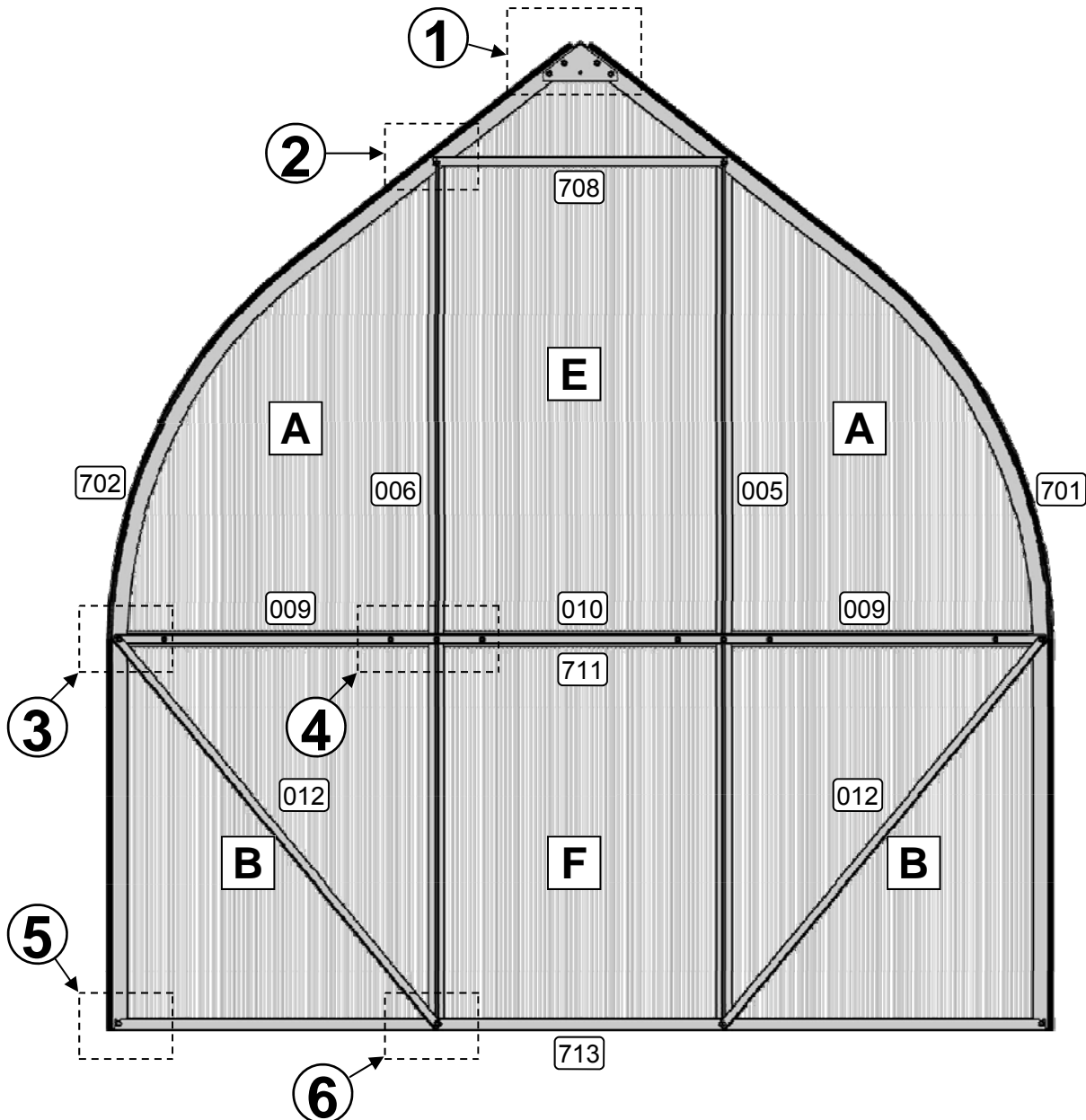
# Step1

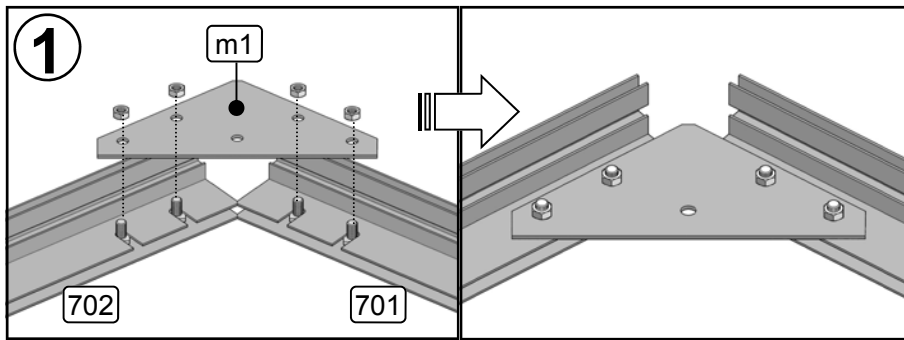
## Rear Gable

Package No.1

With this page, you will assemble the rear gable (back). It is far easier if you have an elevated surface such as two 4'x8' pieces of plywood on a sawhorses. If not, lay the aluminum profiles out on a hard surface as shown in the main illustration. Remember you are building from the inside with the outside facing down. Start with one of the "E" panels and build the aluminum around the polycarbonate panel. the polycarbonate side with the opal film/text must facing down.

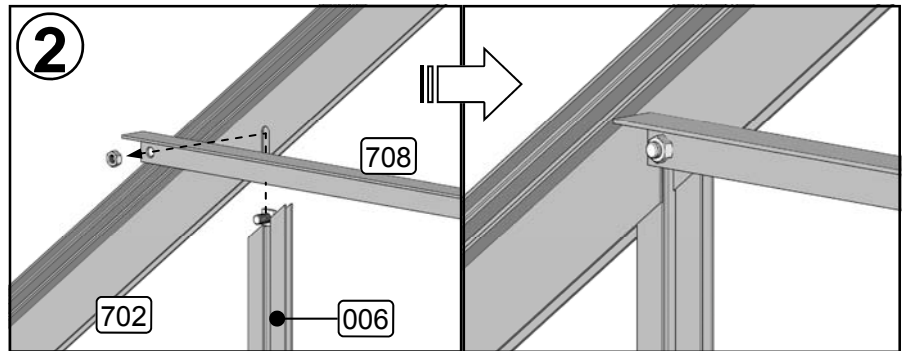
Part No.	701	702	005	006	708	009	010	711	012	713	m1	a1	a2	p6	p8
Size	2567	2567	1915	1915	642	684	594	2027	1102	2035	-	M6x10	M6	592	660
Qty	1	1	1	1	1	2	1	1	2	1	1	20	20	1	2



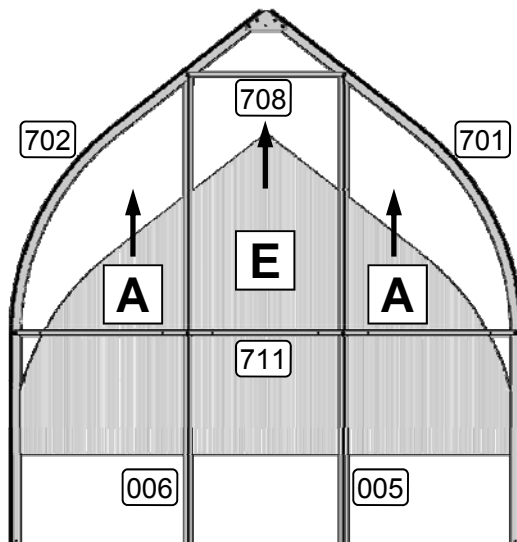


**Square No.1** This the Ridge. The square headed bolt slides into the channel in part #701 & #702, and connect them with part #m1, Our bolts and nuts were made of stainless steel.

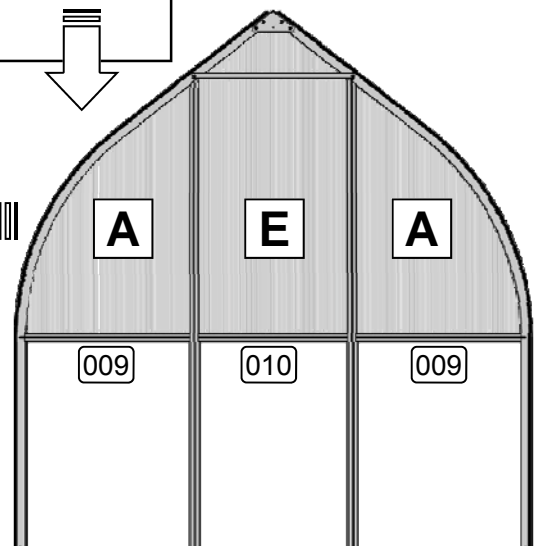
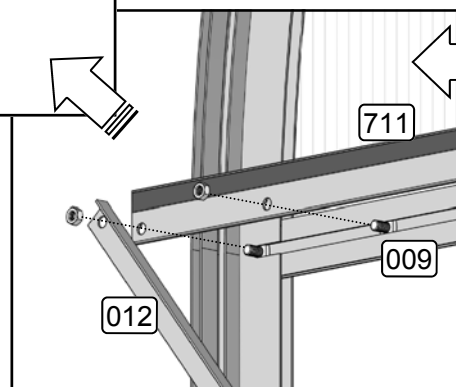
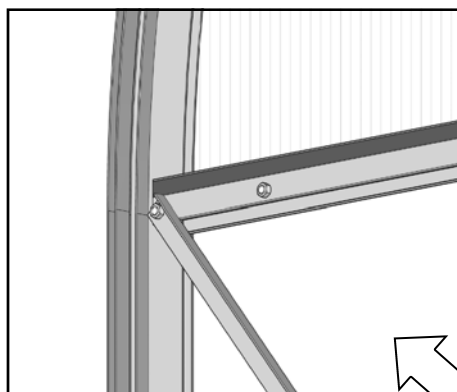
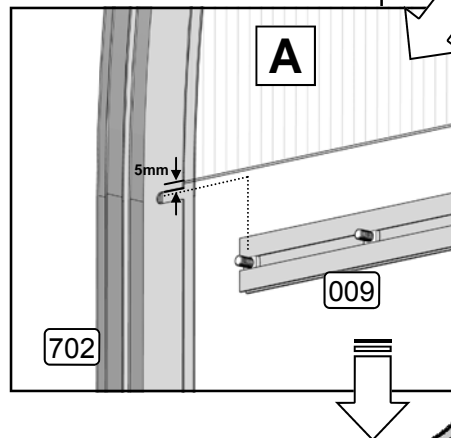
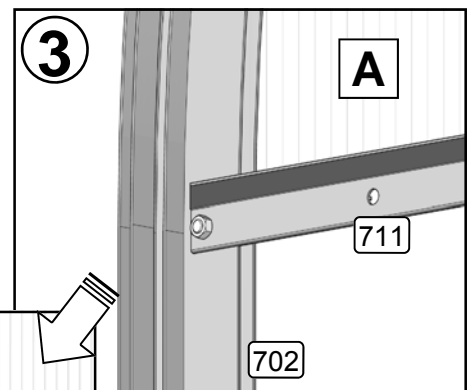
**Square No.2** Insert part #006 into Part #702 channel, contact with part #708 together, Please insert extra bolt #a1 into the channel of Part #006 for attaching part #711 use later. Do the same for the opposite end.

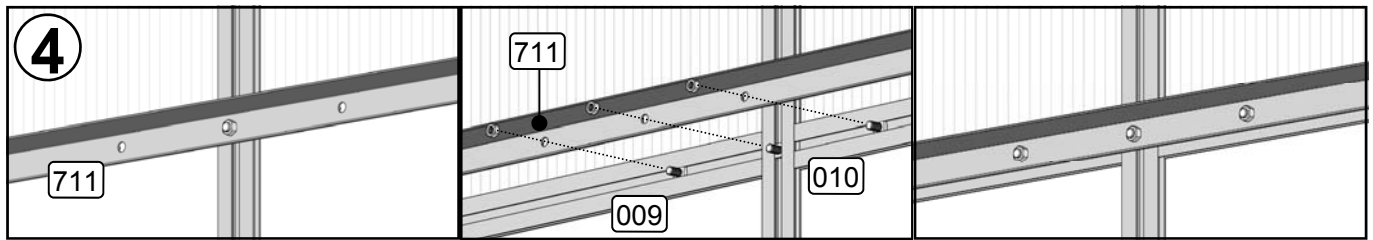


**Note:** Please connect Part #711 with Part #701, #702, #005, #006 firstly before you are inserting PC panel #A & #E into profiles' channel.

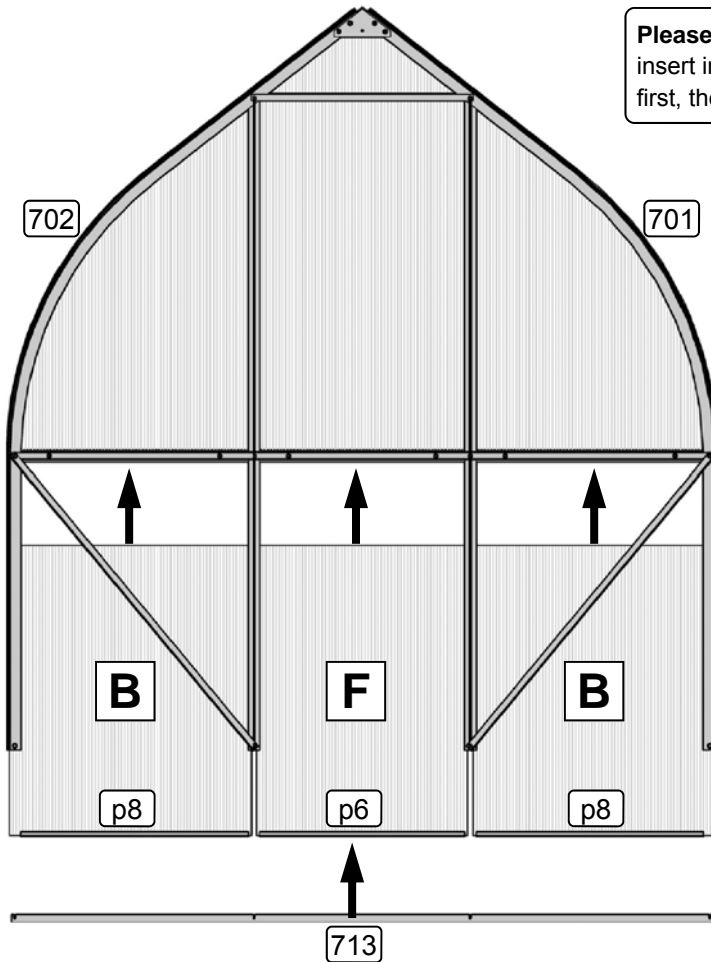


**Square No.3** After PC panels in position, then dismantle part #711 and adjust the distance to 5mm between PC panel and trough edge.

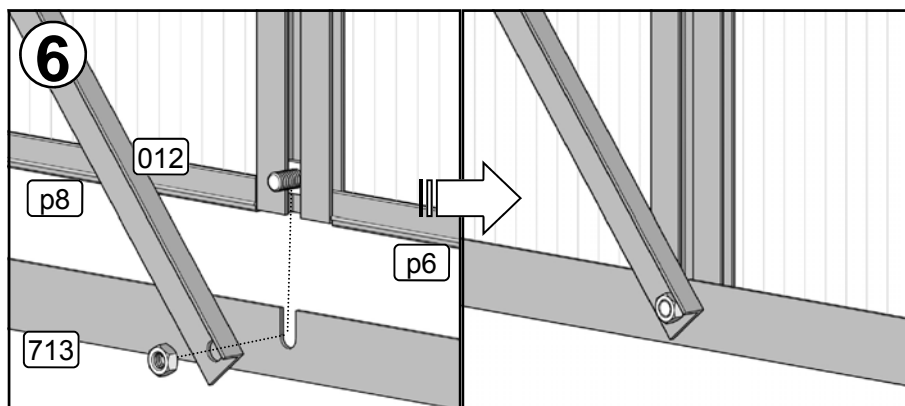
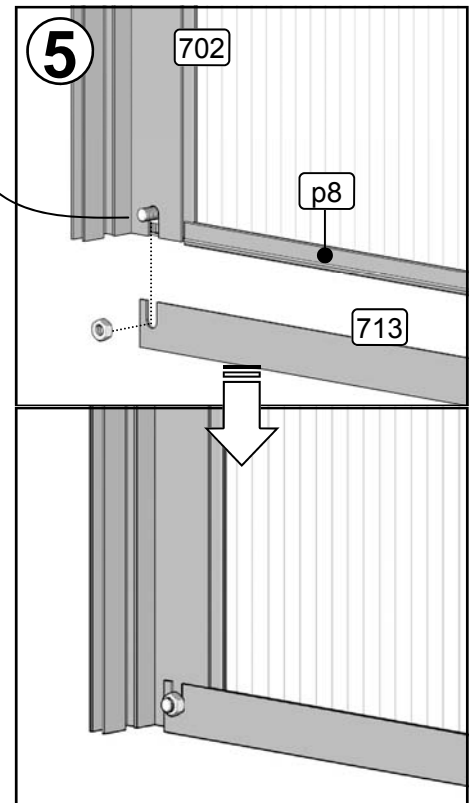




**Square No. 4** Assembly part #009, #010 in place, then connect with part #711 again.



**Please Note:** Don't let this bolt block polycarbonate panel to insert into part #701&702 alu. frame channel. Insert PC panel first, then slide this bolt in part #701&702 profile's trough.



**Square No. 5**  
Inserting PC panel #B,#F in profiles' channel. With PVC anti-dust strip #p6 & #p8 on bottom.

**Square No.6**  
Connect Part #713.

**Please note:** 4 Bolts will need to be slid into each Part #701 and #702 for ridge, hanging basket bar or horizontal rail and side sill beam in advance, Finger tightens the nuts for later use.(Bolts and nuts in Package No.3 of Roof/Side wall)

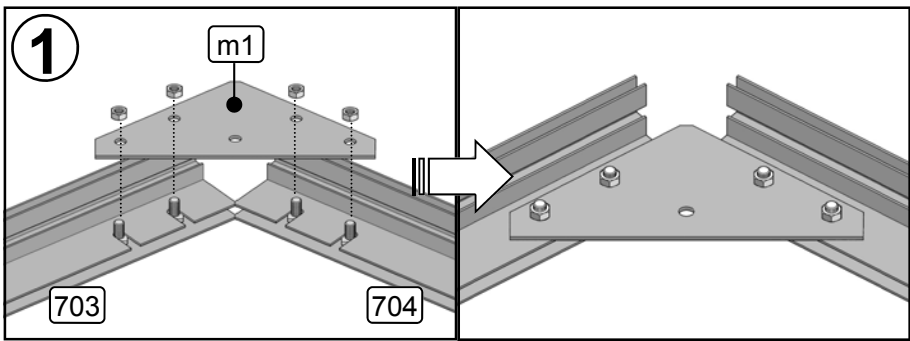
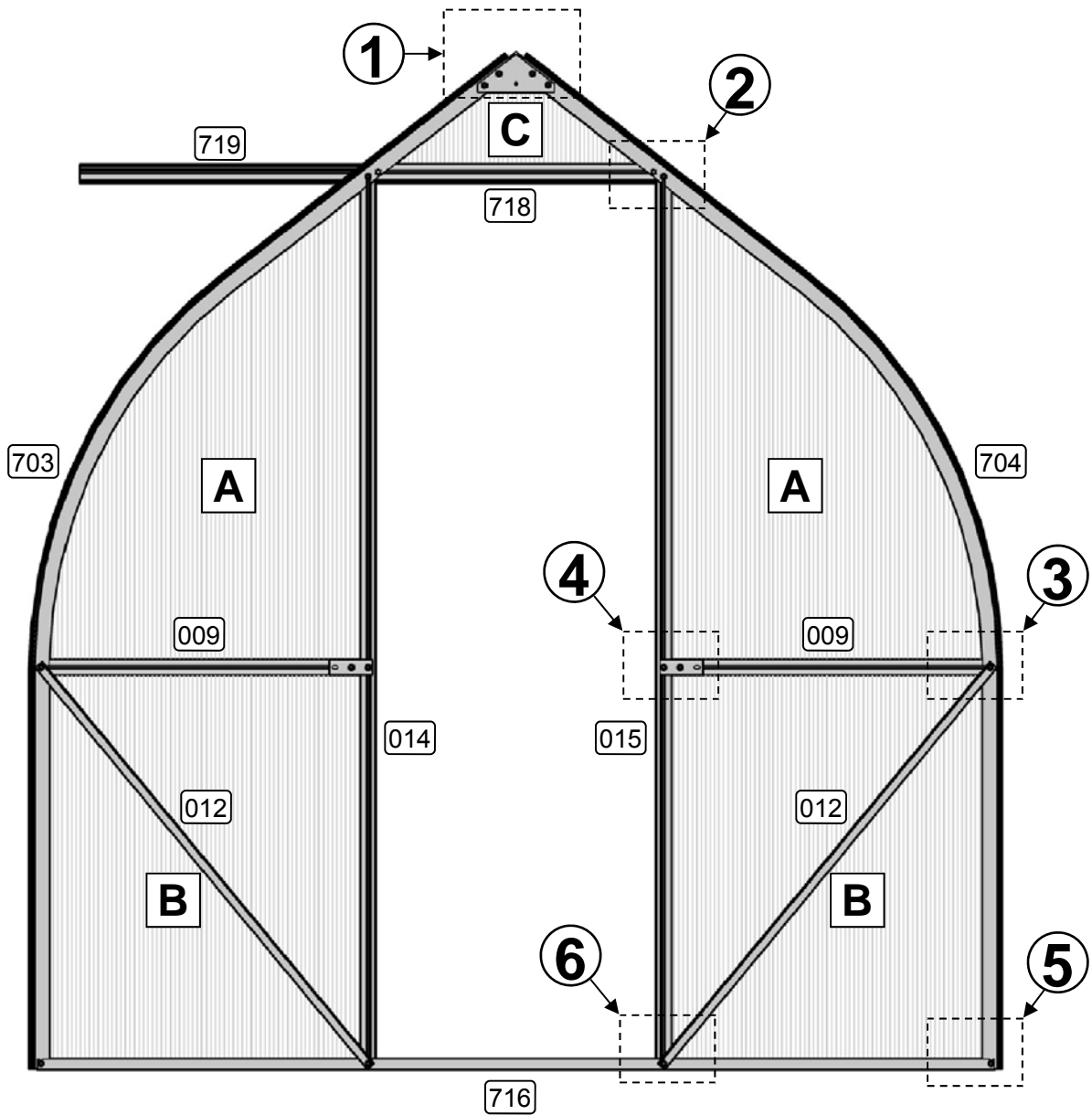
Please remember to add an extra bolt and nut to part #701 or #702, depending on which side you have your window (only for A705). Finger tightens the nut for later use when mounting the window in the greenhouse.

When finished with the back gable, stand it up out of the wind so it will not blow over.

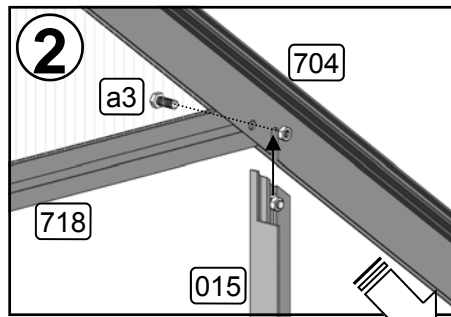
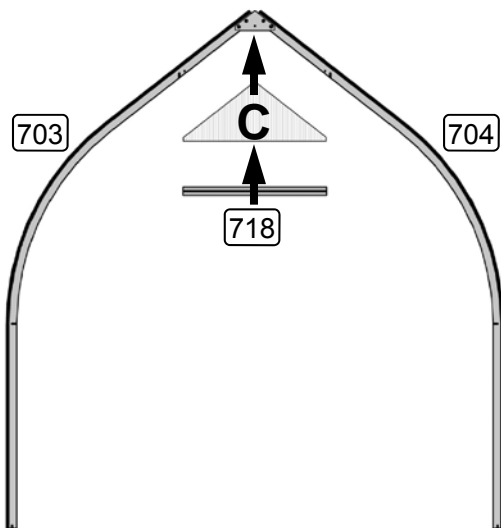
# Step2 Front Gable

Package No.2

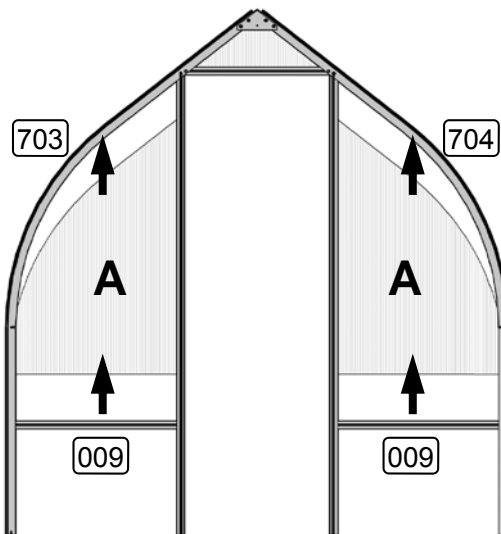
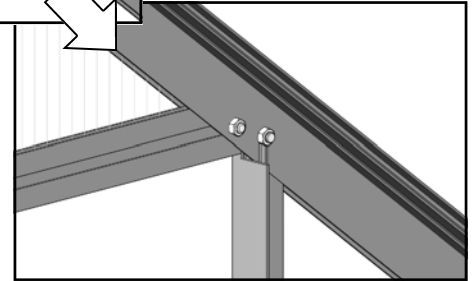
Part No.	703	704	009	012	014	015	716	718	719	m1	m3	a1	a2	a3	p8
Size	2567	2567	684	1102	1915	1915	2035	594	1245	-	-	M6x10	M6	M6x18	660
Qty	1	1	2	2	1	1	1	1	1	1	2	16	18	2	2



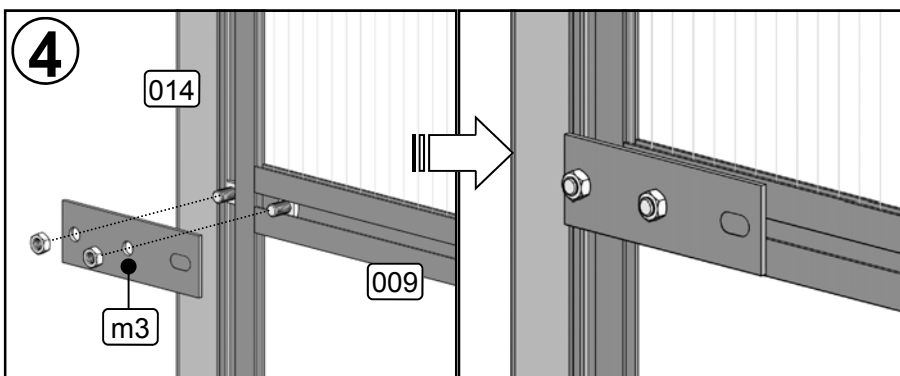
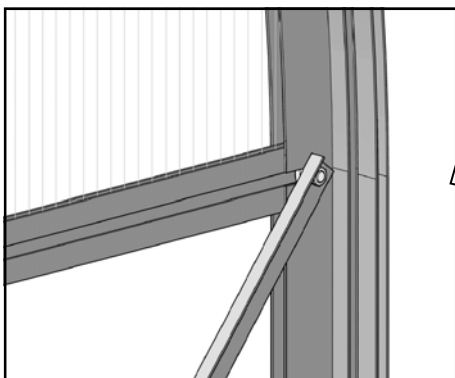
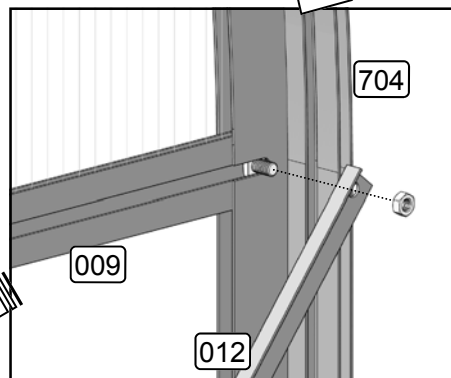
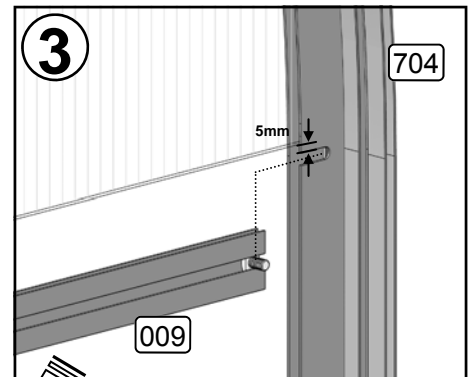
**Square No.1** this step is very much like the rear gable.



**Square No.2** Assemble polycarbonate panel #C on part #703 & #704, use part #718 to fix it.

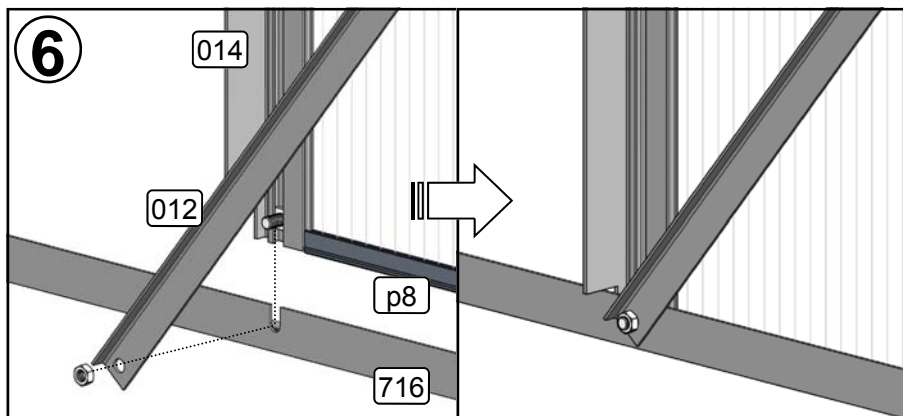
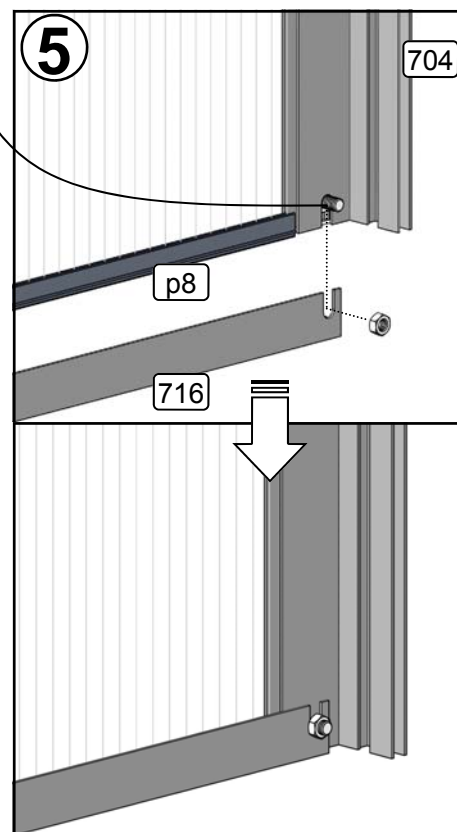
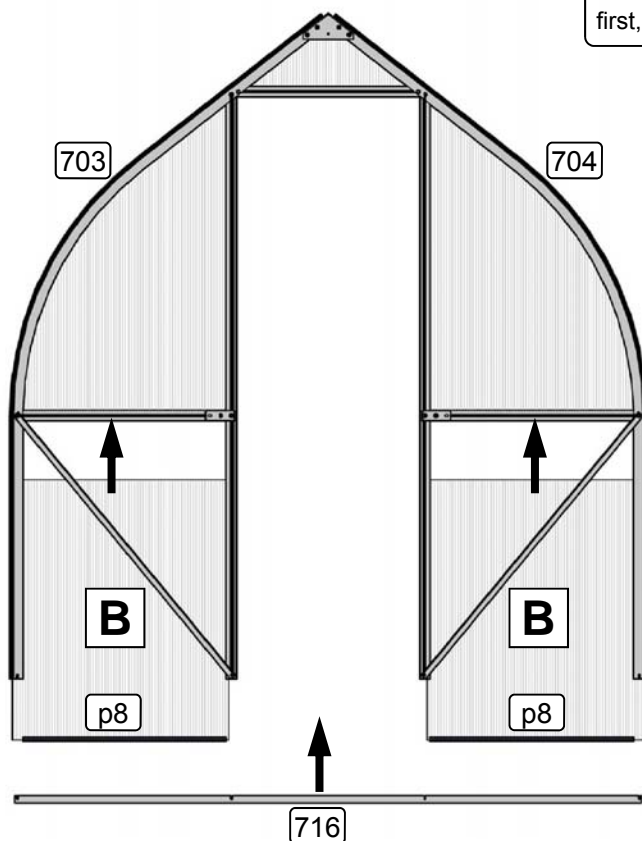


**Square No.3** After PC panels in position, then adjust the distance to 5mm between PC panel and trough edge.



**Square No.4** Use the part #m3 to connect the part #009 & #014.

**Please Note:** Don't let this bolt block polycarbonate panel to insert into part #703&704 alu. frame channel. Insert PC panel first, then slide this bolt in part #703&704 profile's trough.

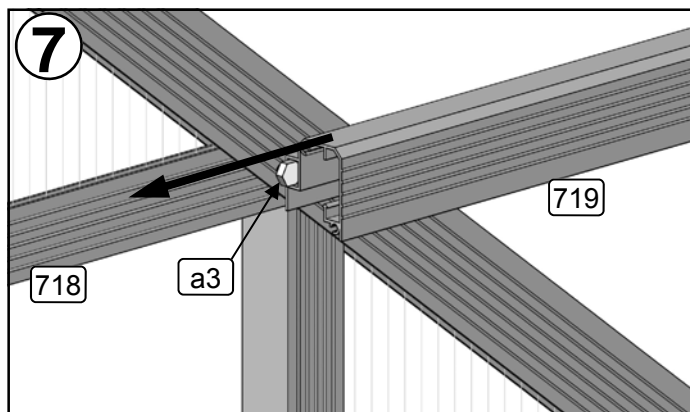


#### Square No. 5

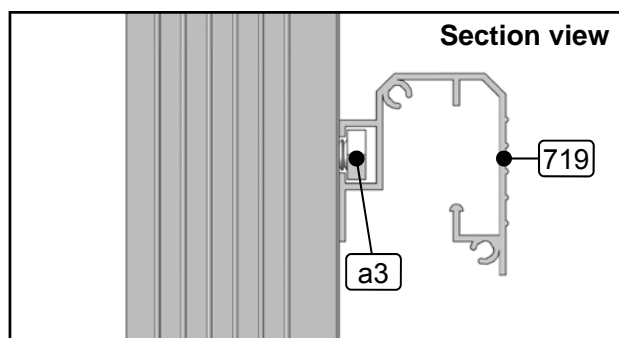
Inserting PC panel #B in profiles' channel. With PVC anti-dust strip #p8 on bottom.

#### Square No.6

Connect Part #716.



**Square No.7** The bolt #a3 to fix #718 is an extra long stainless bolt. The bolt slides into part #719 and extends through parts #703 & #704.

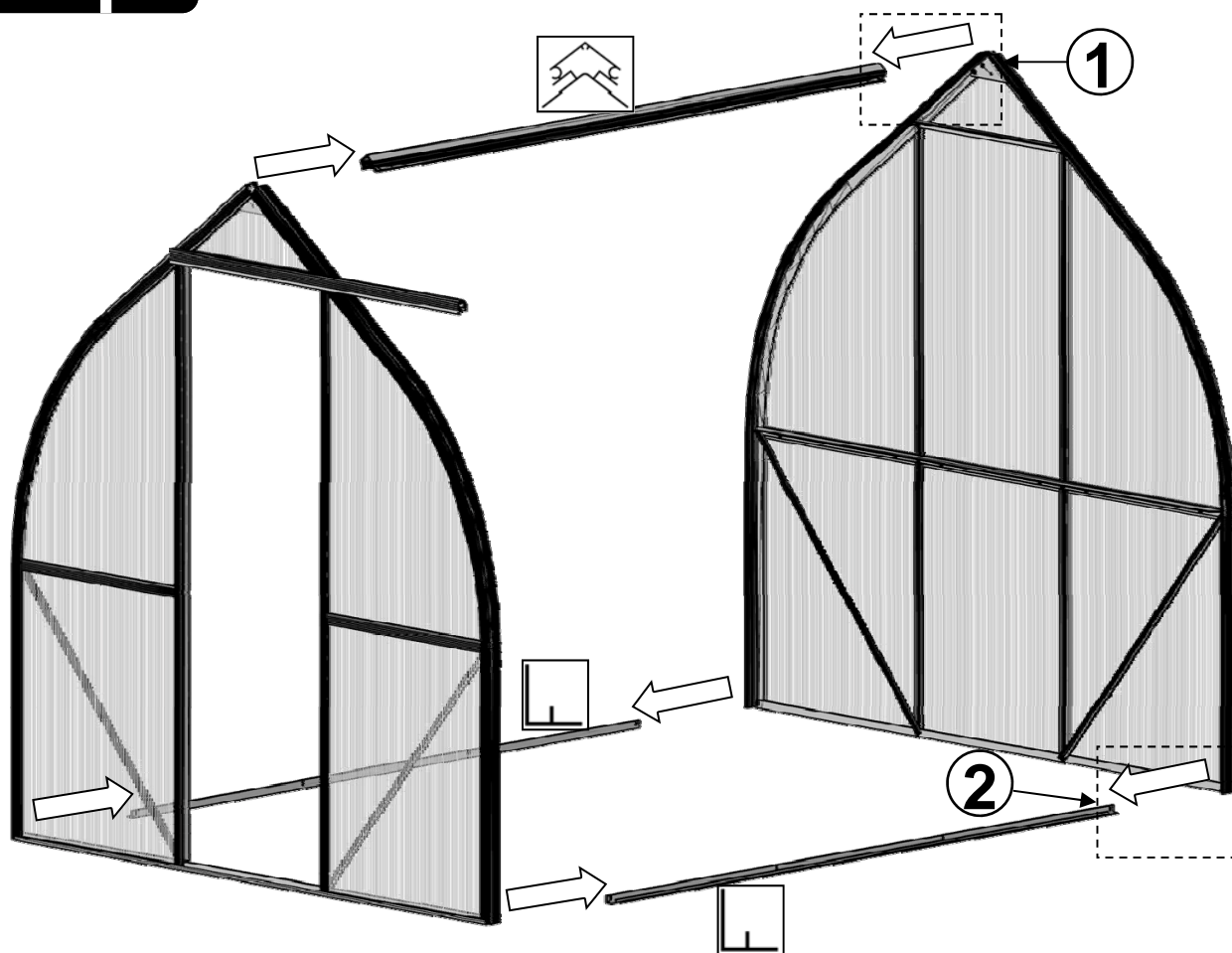


**Please note:** 4 Bolts will need to be slid into each Part #703 and #704 for Ridge, hanging basket bar or horizontal rail and Side sill beam in advance, Finger tightens the nuts for later use.(Bolts and nuts in Package No.3 of Roof/Side wall)

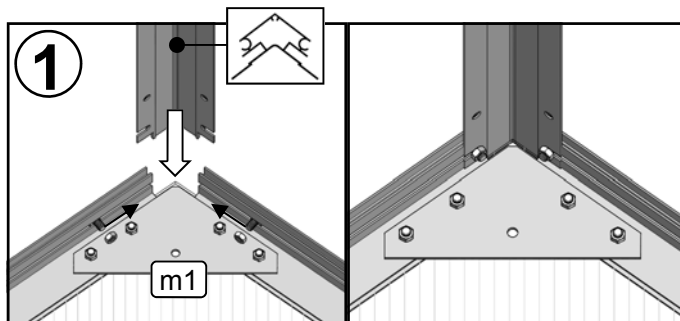


# Step3

Connect front gable with rear gable by Ridge and side sill beam.

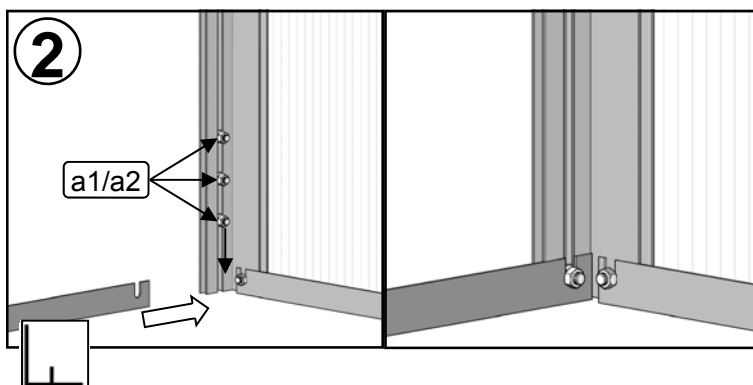


	Part No.	Size	A705	A707	A710	A712	A714
	020	1481	1				
	021	2197		1			
	022	2913			1		
	023	3629				1	
	024	4345					1
	025	1460	2				
	026	2176		2			
	027	2892			2		
	028	3608				2	
	029	4324					2

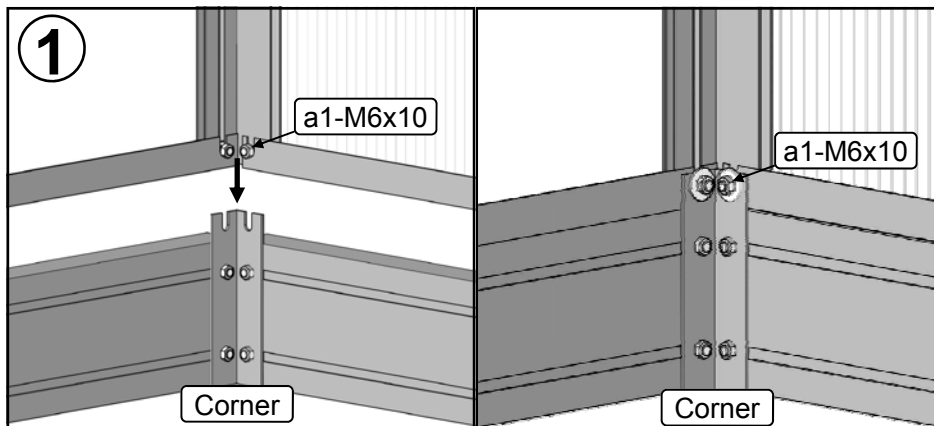
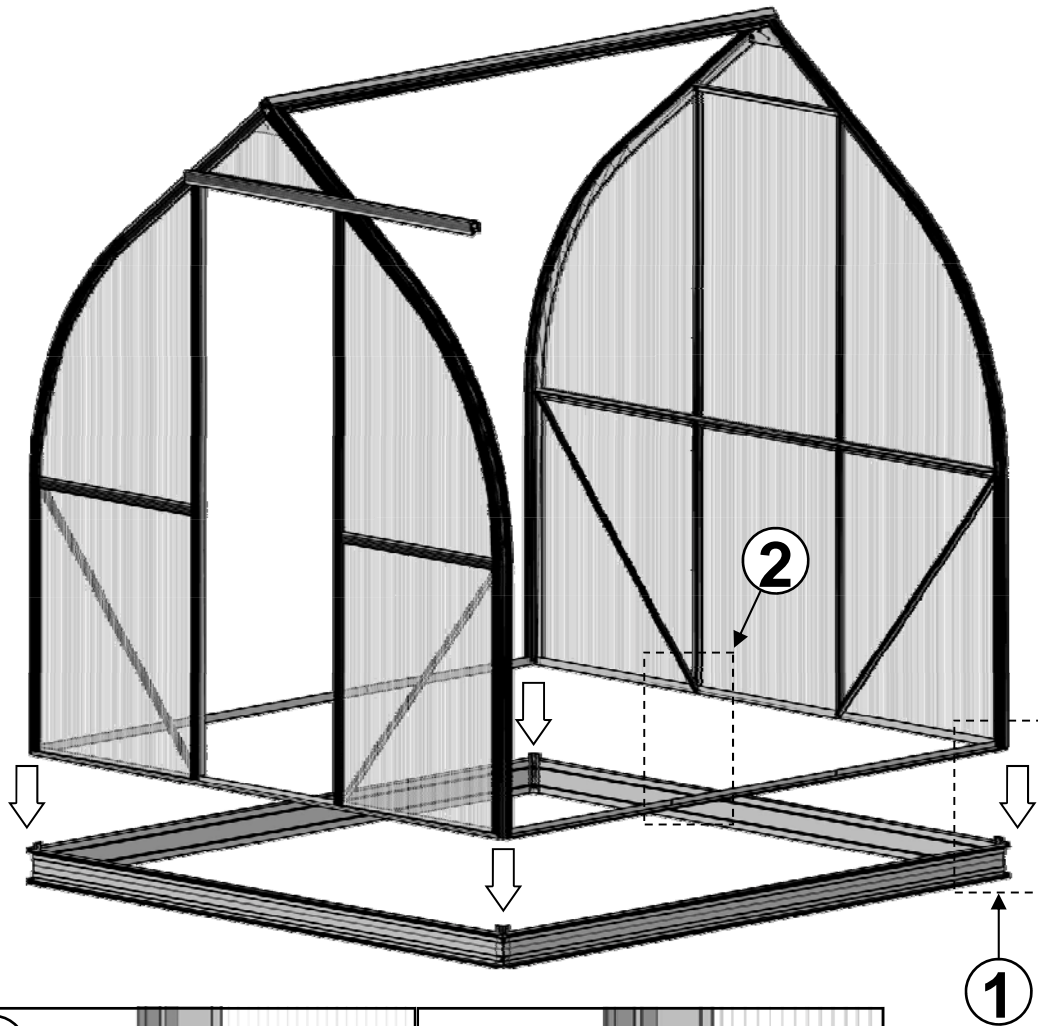


**Square No.1** Attaching the ridgepole to the gables, this is where you may have to adjust bolts in plate #m1 to fit the pole into gables. Slide the bolt with the nut on up the trough of ridgepole and tighten.

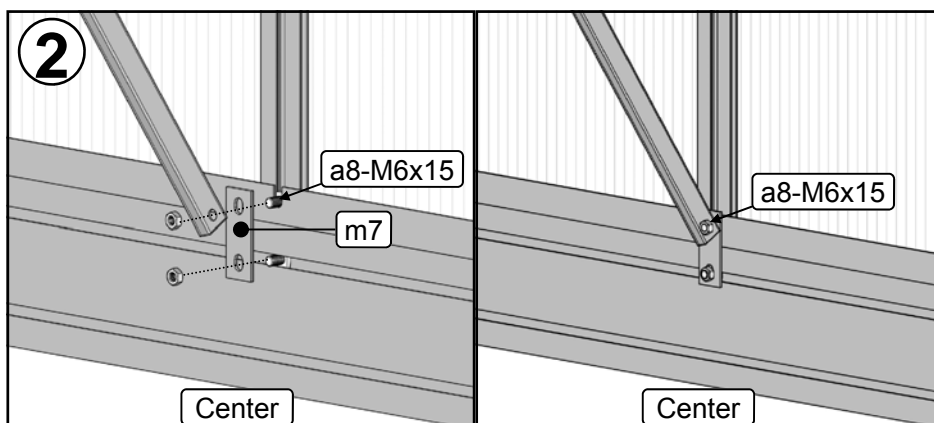
**Square No.2** Connect side sill beam with curved corner bar, this can be one of the easiest. This is where you will use an open-end 10mm wrench. Because of the tight corner, it is difficult to work with the nut driver. Once you have attached side sill to curved corner bar, bring the corner together and slide the bolt down into the slot. Tighten with the open-end wrench.



Assemble greenhouse frame on Alu. base.

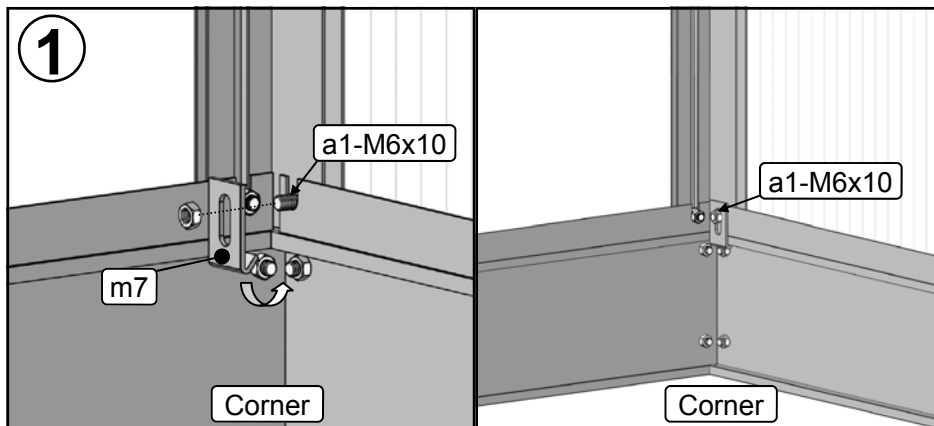
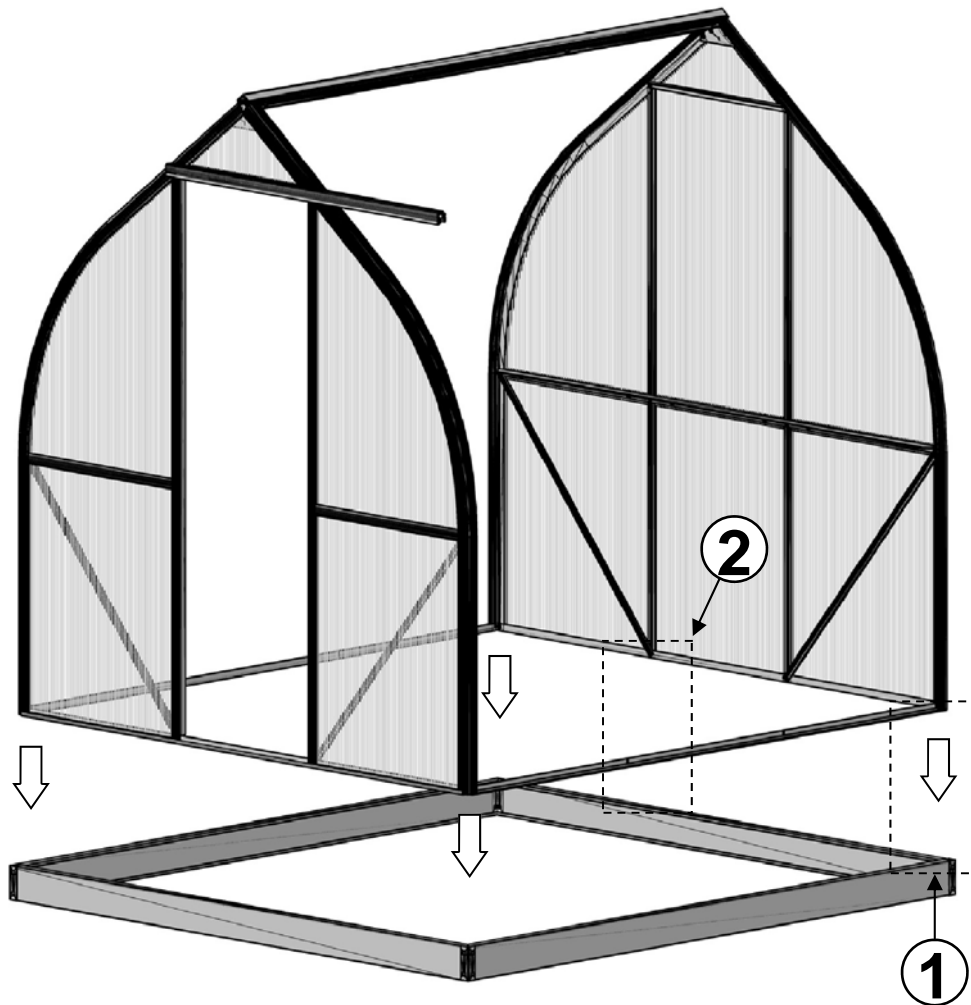


**Square No.1** You may loosen the bolts in corners and re-tighten it at the trough of base legs.

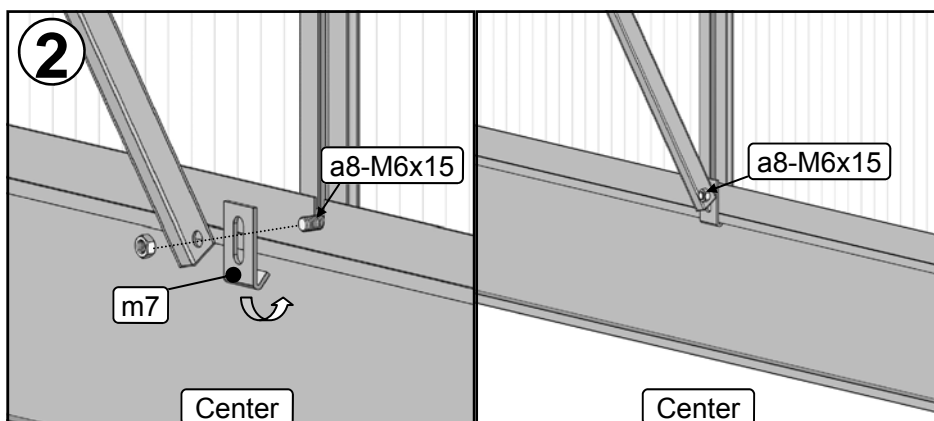


**Square No.2** Assemble greenhouse frame on base by connector m7 in the middle of bottom.

## Assemble greenhouse frame on Steel base.



**Square No.1** You may loosen the bolts in corners and re-tighten it at the trough of base legs.



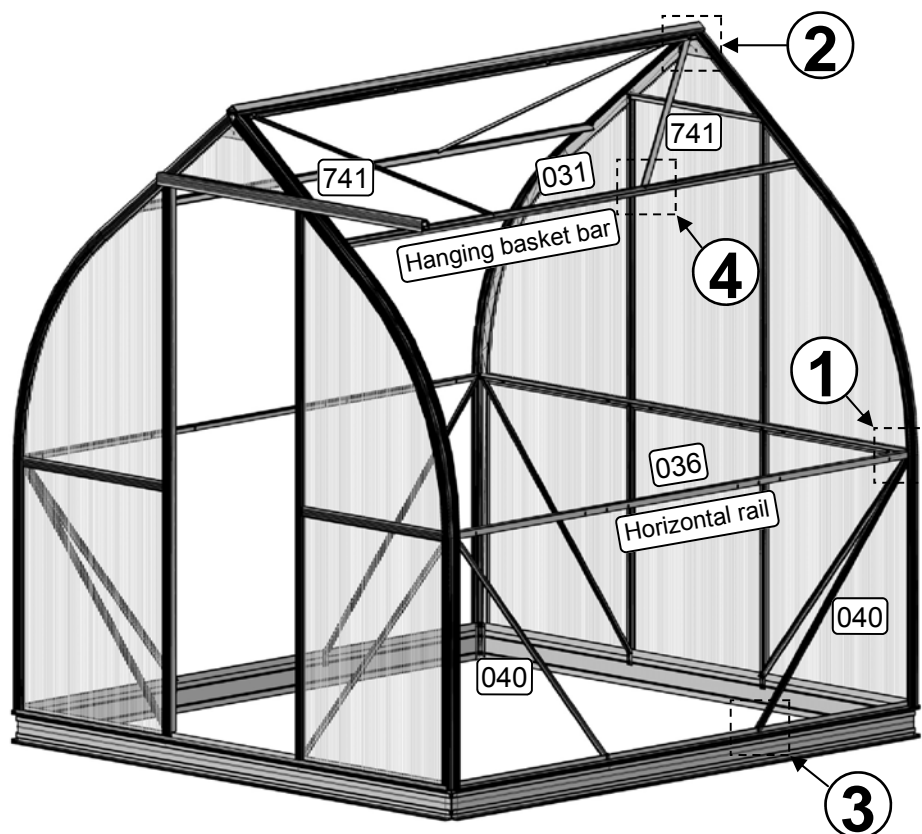
**Square No.2** Assemble greenhouse frame on base by connector m7 in the middle of bottom.

# Step4

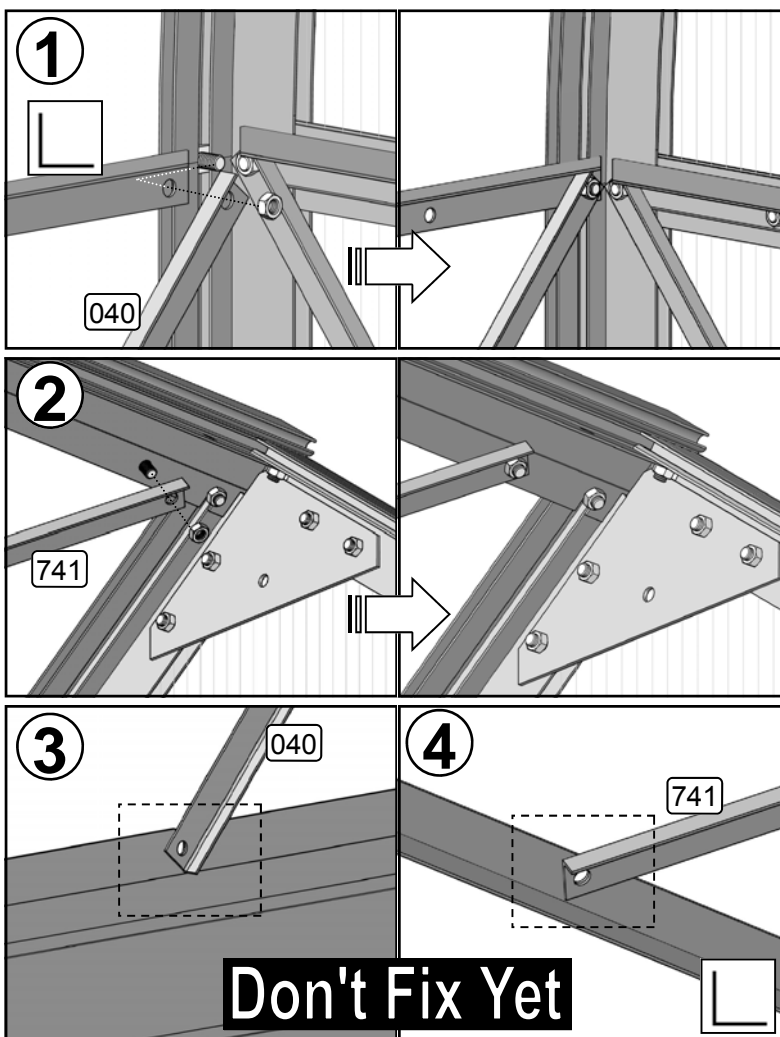
## Roof/side wall

Package No.3

Before assembling polycarbonate panel and glazing bar. Please connect hanging basket bar and horizontal rail on front and rear corner bars. also connect roof and sidewall bracing bars (#741 & #040). Then the greenhouse will be in straight shape structure. Then we can start to assemble PC panels and glazing bars smoothly.



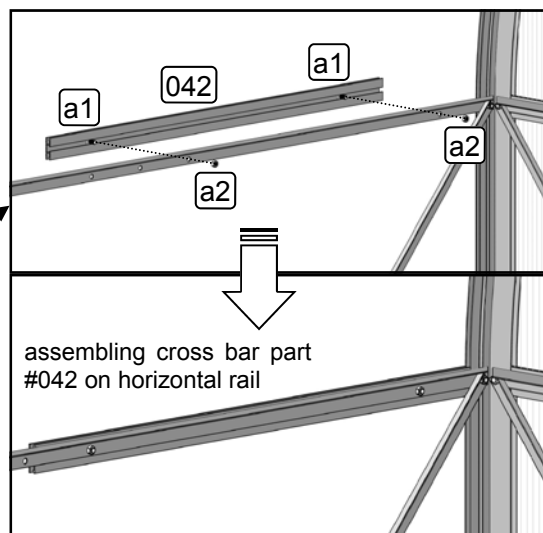
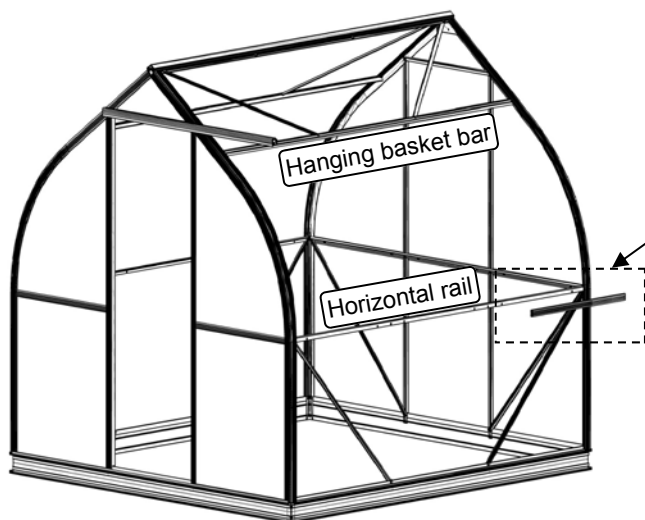
	Part No.	Size	A705	A707	A710	A712	A714
└─┘	030	1452	2				
	031	2168		2			
	032	2884			2		
	033	3600				2	
	034	4316					2
	035	1452	2				
	036	2168		2			
	037	2884			2		
	038	3600				2	
	039	4316					2
└─┘	040	1116	4	4	4	4	4
└─┘	741	900	3	4	4	4	4
┌─┐	042	683	4	6	8	10	12
┌─┐	743	2561	2	4	6	8	10
┌─┐	a1	M6x10	33	44	54	64	74
┌─┐	a2	M6	35	48	60	72	84
┌─┐	a8	M6x15	2	4	6	8	10
┌─┐	p7	682	4	6	8	10	12



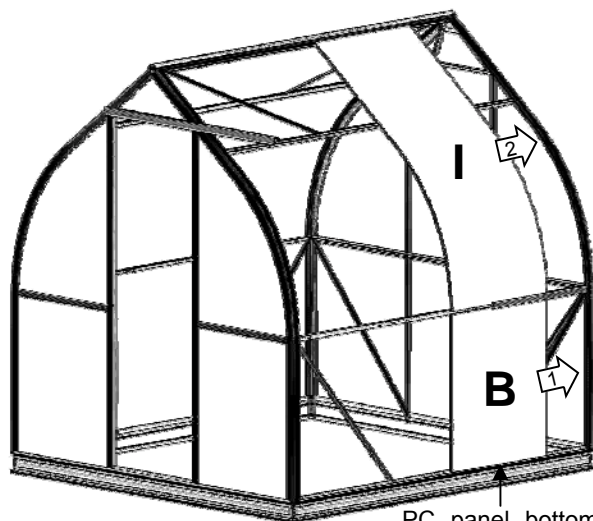
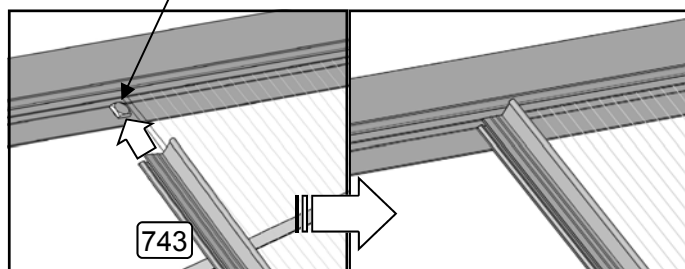
**Now we are starting to assemble Polycarbonate panels and glazing bar.**

1. Sliding PC panel #B between cross bar part #042 and side sill beam with PVC anti-dust strip P7 on bottom.
2. Inserting polycarbonate panel #I into the alu. Frame channel and curve it along the curved alu. Channel.
3. The PC panel maybe come out of channels if without a force to fix it. Then you have to fix the glazing bar #743 first at the top end of it, and squeeze the PC panel into the channel of glazing bar #743.

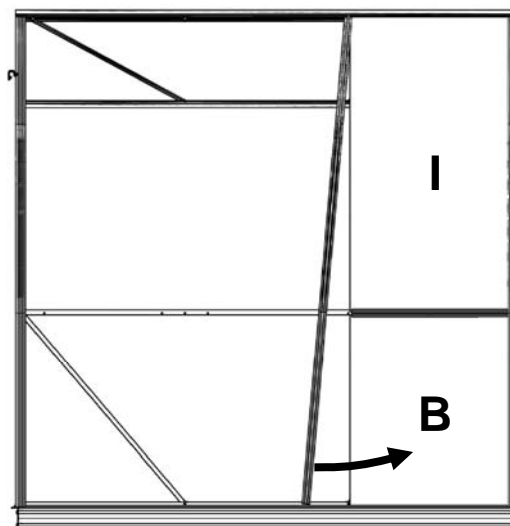
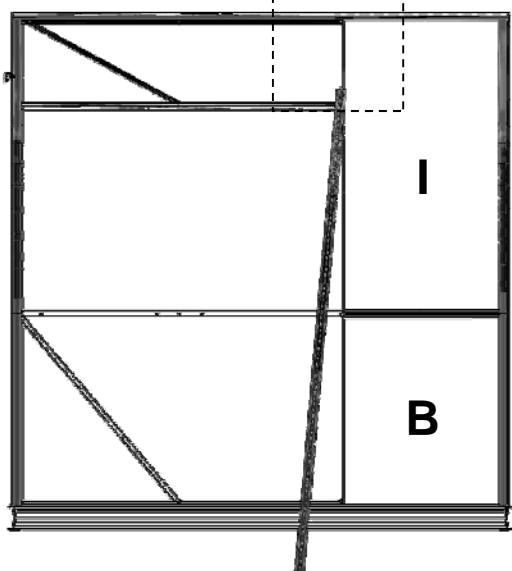
**Very Important:** 2 #a1 Bolts will need to be slid into each glazing bar for hanging basket bar & horizontal rail, 1 #a8 bolt be slid into each glazing bar for connect side sill in advance, and finger tightened for later use. Please note: At this stage you will need to insert an extra bolt into each glazing bar either side of a vent opening. So you will have to decide now where your roof vents are positioned so that you can work out the correct number of bolts in each glazing bar. **And slide roof vent to decided position from Ridge immediately, otherwise glazing bar will block its slide after glazing bar is fixed.**



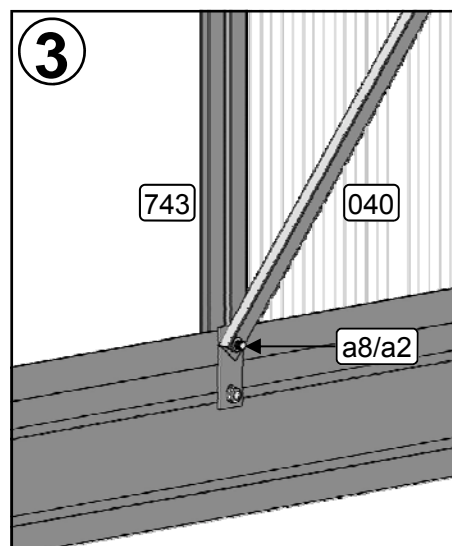
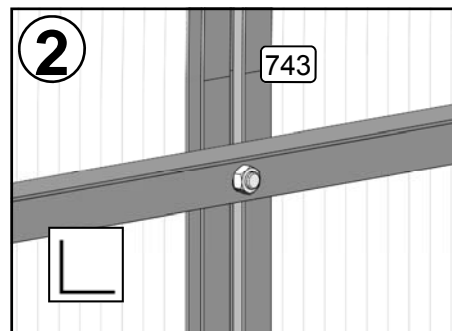
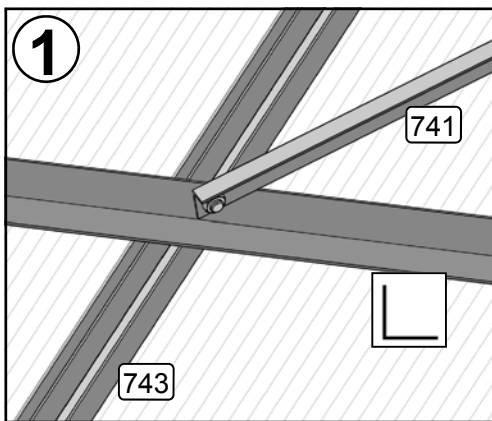
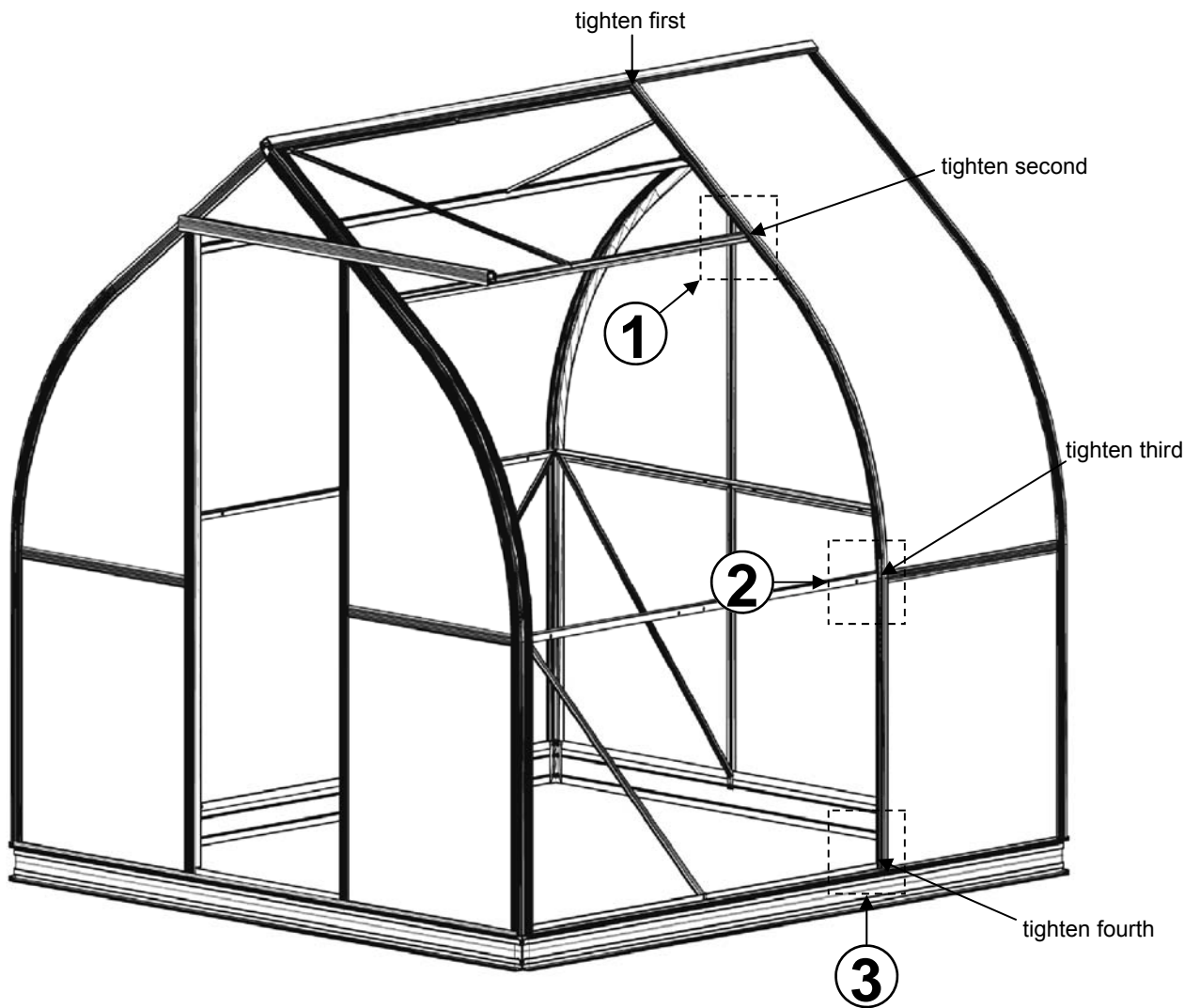
**Important:** You must put the bolts #a1 into the ridge before you insert the polycarbonate panel #I.



PC panel bottom with PVC anti-dust strip P7







**Square No.1 & No.2** From top to bottom, you could squeeze polycarbonate panel both edges into alu. Profile's channel gradually. Please use bolt and nut to tighten the glazing bar #743 with hanging basket bar or horizontal rail in time once it's in position.

**Square No.3** On the bottom, Use Bolt #a8 (M6x15) to attach glazing bar #743 with bracing bar #040 and side sill beam together, and fix them on base by base connector.



# Step5

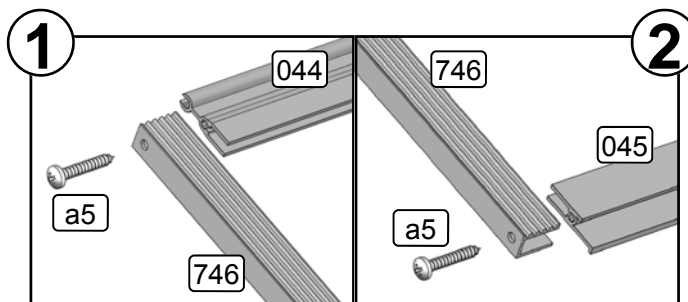
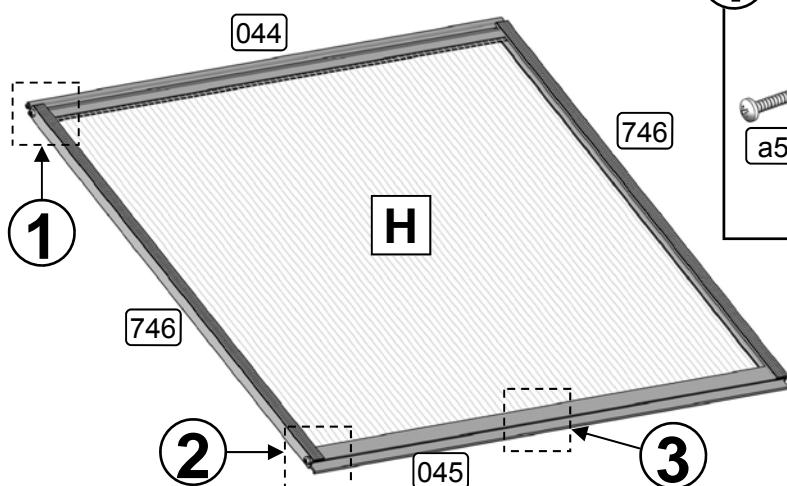
## Vent

Before finishing glazing bars and PC panels assembly. We should assemble windows in place first.

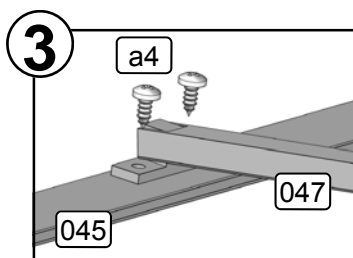
Package No.4

Part No.	042	044	045	746	047	048	m3	a1	a2	a4	a5	a9	p3
Size	683	698	698	525	300	200	-	M6x10	M6	Φ4.2x9.5	Φ3.5x19	M6x10	-
Qty	1	1	1	2	1	1	2	4	6	4	4	2	2

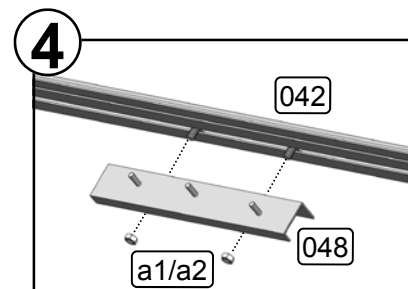
	A705	A707	A710	A712	A714
Vent No.	1	1	2	4	4



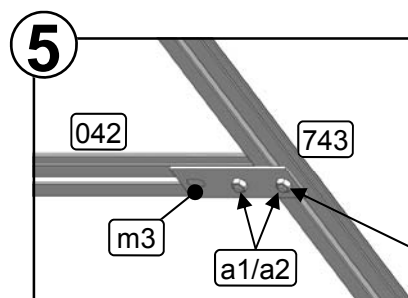
**Square No.1 & No.2** When assembling the vent using screw #a5, it is essential to use a lubricant on the screws. A power screwdriver here is almost too much force, as it is easy to strip the heads. If possible turn the screws in by hand.



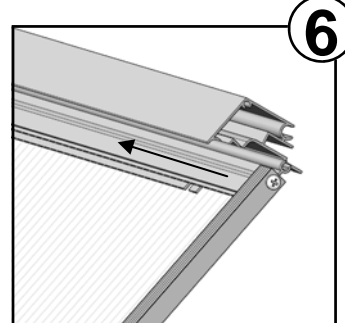
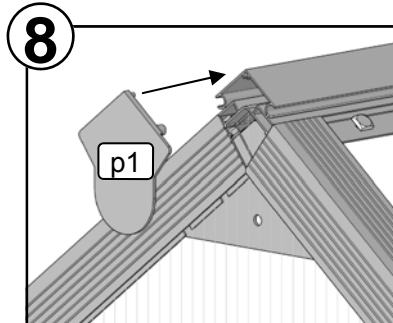
**Square No.3** The push rod should be mounted so the handle extends up.



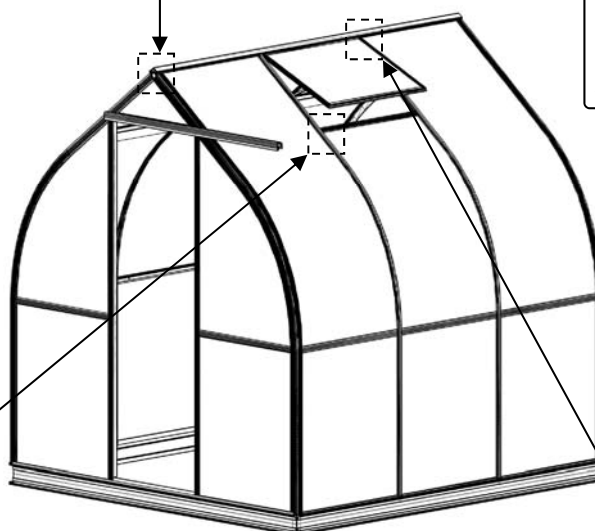
**Square No.4** When mounting part #048 onto part #042, the left post should be directly in line with the center of the vent.



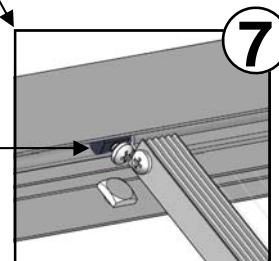
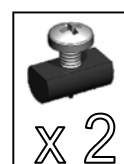
If you forgot to insert extra bolt a1 in Alu. channel. Please use crop head bolt a9 instead.



**Square No.6** The completed vent slide into the ridgepole which act as a self-hinge.



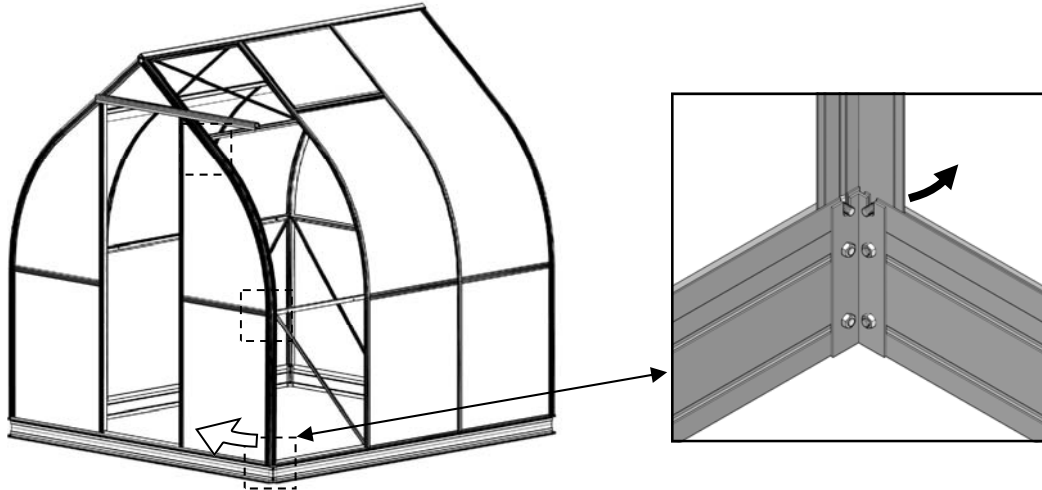
**Square No.7** Part #p3 is plastic barrel shaped piece that is used on either side of the vent to keep it from moving side to side. The screw #a4 will expand the plastic and hold it firm.



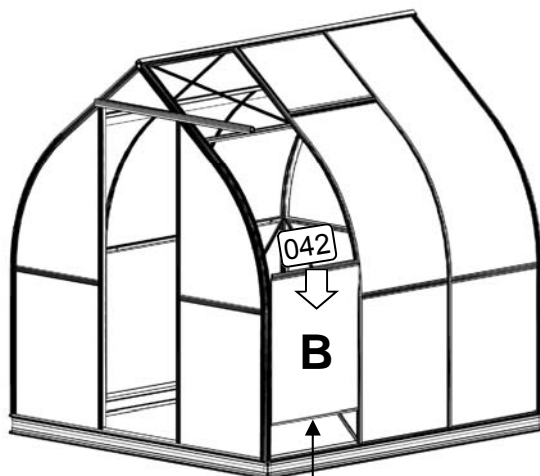
# Step6

## For the last polycarbonate panel assembly

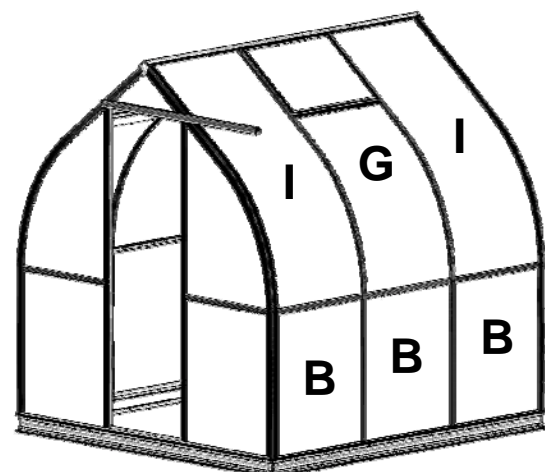
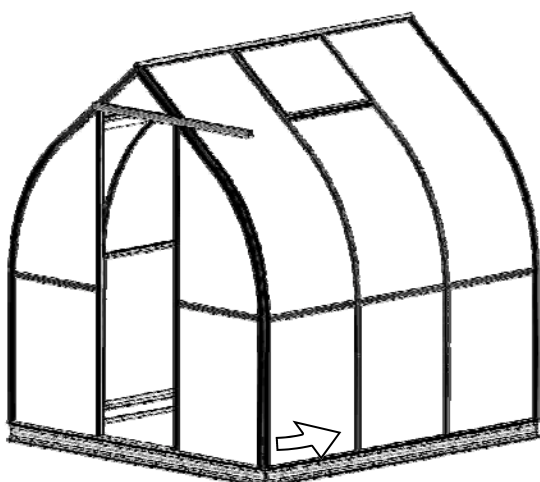
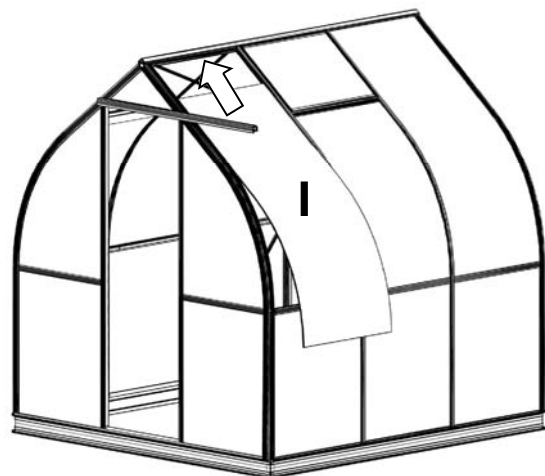
1. At first, You should dismantle the curved corner bar, by loosening the bolts attaching base, sill beam and horizontal rail and hanging basket bar (Don't loosen ridge top bolt and nut). And separate curved corner bar a little from bottom, and make an angle with glazing bar (Like a trapezoid with right angle).
2. Put on cross bar #042 on top of PC panel #B, and PVC anti-dust strip P7 on bottom of PC panel #B firstly. Then assemble them on horizontal rail together.
3. Then insert polycarbonate panel #I between curved corner bar and curved glazing bar.
4. Finally, push them together, and tighten all the bolts and nuts which loosened before.
5. Repeat this on the opposite side.



Loosen the bolts and separate from bottom at an angle



PC panel bottom with PVC anti-dust strip P7

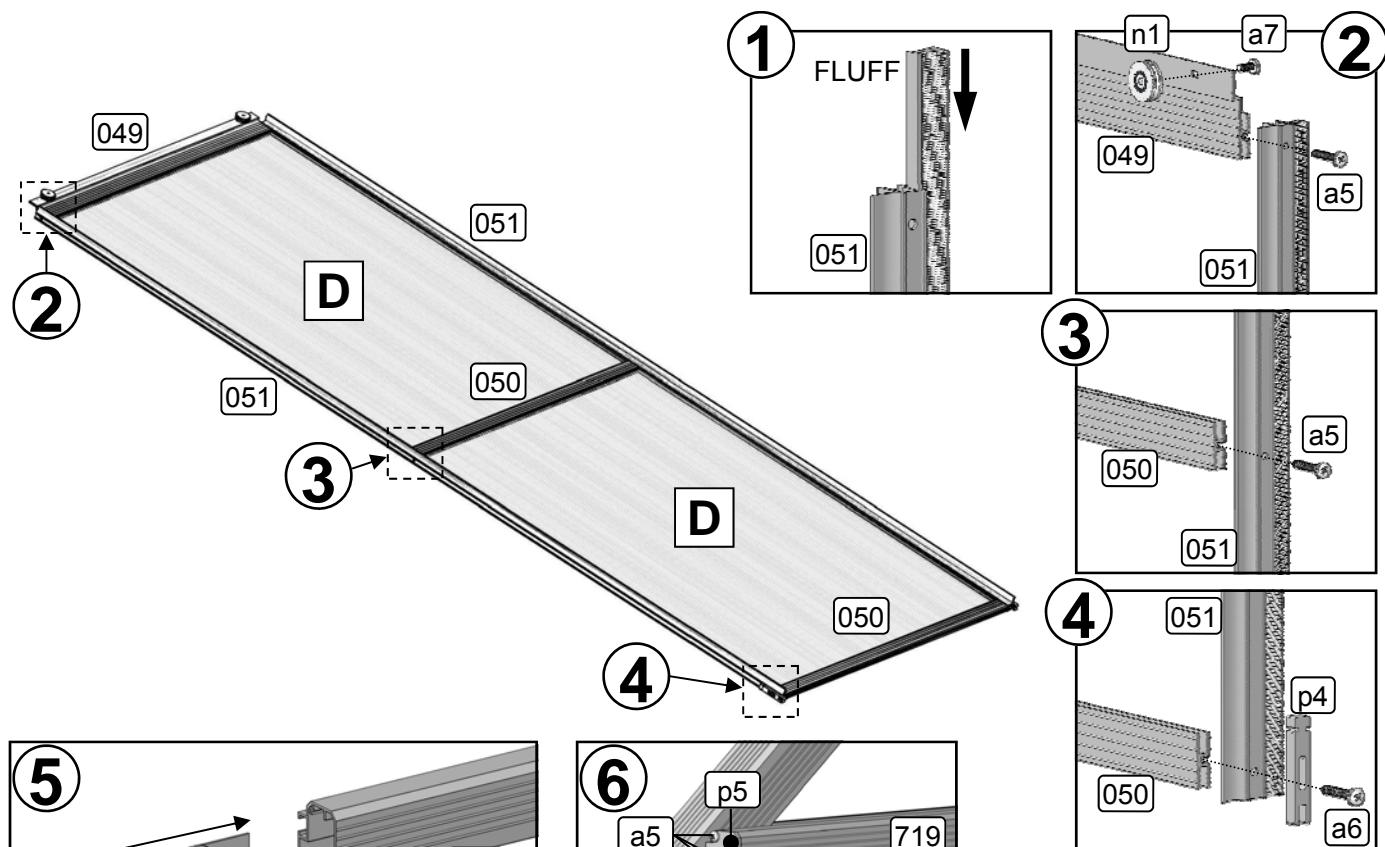


# Step8

## Door

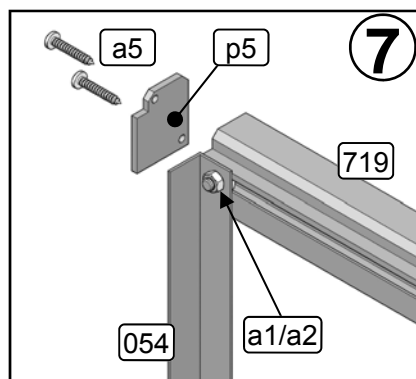
## Package No.5

Part No.	049	050	051	054	a1	a2	a5	a6	a7	a8	a10	a11	p4	p5	m11	m6	n1	FLUFF
Size	594	594	1870	537	M6x10	M6	Φ3.5x19	Φ3.5x25	Φ4x8	M6x15	Φ3x10	M3	-	-	-	-	-	-
Qty	1	2	2	1	2	3	8	2	2	1	2	2	2	2	1	1	2	3.8m

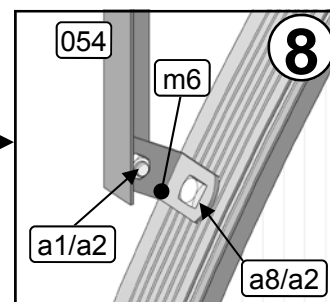
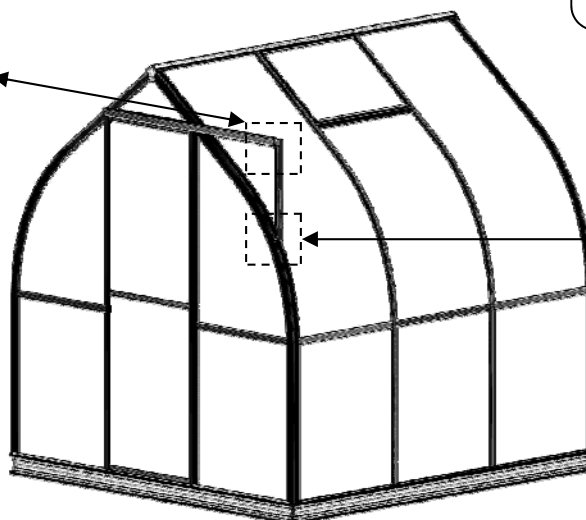


**Square No.1 & No.2 & No.3 & No.4** When assembling the door, use the same lubricant for the screws. Do not forget the plastic door glides for bottom when assembling the door. It should be adjusted to suitable extended length before and after the door assembly. The roller #n1 was fixed on the part #049 with a7 screw.

**Square No.6** Part #p5 is a stop so the door will not drop out the end of part #719.



**Square No.7** Part #054 is a vertical post used at the end of part #719 to keep it level. Loosen #a3 to adjust the #719 in suitable place in order to keep door sliding space.



# Packing List

	Description	A705	A707	A710	A712	A714
1	Rear Gable	1	1	1	1	1
2	Front Gable	1	1	1	1	1
3	Roof/side wall	1	1	1	1	1
4	Window	1	1	2	4	4
5	Door	1	1	1	1	1
6	Curved front corner bar	2	2	2	2	2
7	Curved rear corner bar	2	2	2	2	2
8	Curved glazing bar	2	4	6	8	10
9	Polycarbonate panels	1	1	1	1	1
10	Tools	1	1	1	1	1
11	Assembly Instruction	1	1	1	1	1