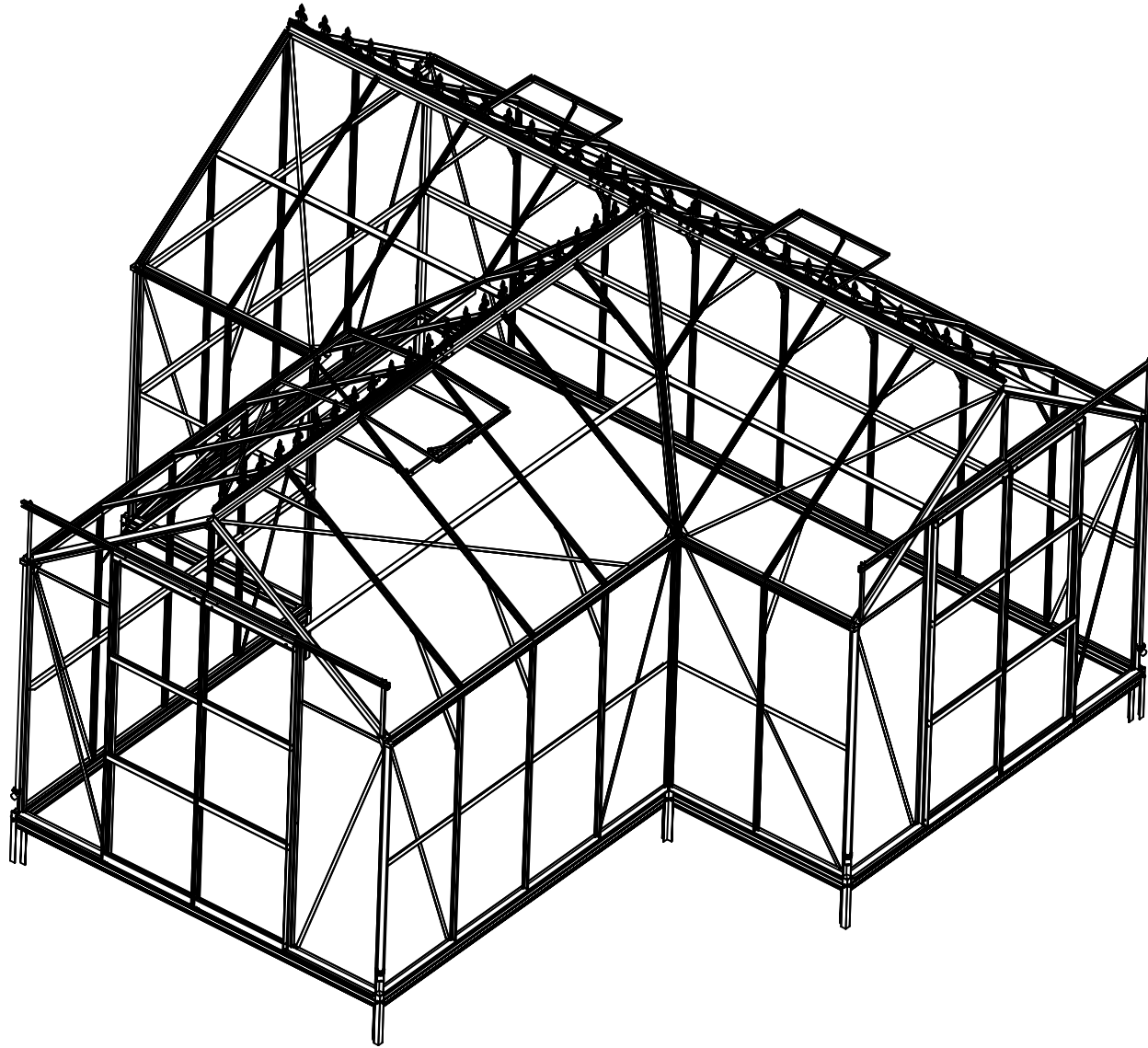


Manual
for
Orangery
4,61x4,62x2,48m

GREENHOUSE

Assembly instructions



Product Size(LxWxH):461x462x248cm

Dear customer,

Congratulations on the purchase of your new Greenhouse. Please carefully read the following guide before commencing construction.

Warning: *Before undertaking any work on your greenhouse take all the necessary time to identify any possible hazards including underground and overhead power lines and underground water pipes etc.*

Site Selection.

A sunny, unobstructed, north facing position that is sheltered from strong winds is best to maximize the potential of your greenhouse.

Your greenhouse should be placed on a flat and level surface. There are many foundation options that may suit your requirements.

Greenhouses come with internal mounting options to suit most needs.

Access to water and/or electricity should be considered at an early stage and before solid foundations are laid.

It is advisable to have enough access around your new greenhouse for both installation and maintenance.

Securing directly to the soil.

Assemble the aluminium frame and position (unglazed) onto proposed site prior to digging your post holes.

This will allow you to locate and to mark the exact position of post holes for anchoring.

Once you have marked your anchor positions move the glasshouse frame to allow the holes to be drilled/dug.

A minimum hole depth of 600mm and diameter of 200mm is recommended.

Once the anchor pegs have been attached to the base and corner brackets you can lift the greenhouse above holes and lower to ground level.

Once you are satisfied with the final position and you have ensured the frame is square, level and plumb concrete can be poured into anchor holes.

If preferred all holes can be dug using the internal measurements of the base as a guide. This is a more simple method although it is less exacting.

Securing to a solid base.

Use the base plan supplied in the following instruction manual as a guide to build your solid base whether it be a timber, block or brick nib wall or a concrete slab etc.

Fixings are located internally and are located approximately 55mm inside of the 43mm aluminium base.

(To sit and fix on a wall would require a minimum width of 100mm).

Glazing.

Once the aluminium frame is completed and in position glazing can commence.

Although all glass is toughened safety glass it should always be treated as dangerous and with caution.

Make sure the frame is free from debris before commencing. Beware of wind at all times.

If resting panels during construction a leaning position is recommended over lying flat. Start with the roof panels and work from one end to the other.

To insert the roof panels lean against the guttering and slid up between the glazing bars until they reach the ridge and drop into place

Glaze the walls by leaning panels between the vertical glazing bars, push up and into the rebate located on the underside of the guttering.

Make sure the bottom of the glass panel is sitting securely on the top of the base.

The panel will look square and plumb and be secured by the groove at the bottom and by the rebate at the top.

Insert the rubbers by using your thumb to push and your index finger to guide you. All rubbers are made longer than required and are to be trimmed when finished. If the rubber extrusion seems dry use soapy water to assist when fitting into the glazing bar. The seals should look flat and straight when complete.

Leave rubbers for an hour or two before cutting to required length as they may stretch then retract when inserting.

Do not cut rubbers until you have inserted all of them.

Please contact your provider if you require further guidance.

PARTS LIST

PART	#	mm	Qty.
	L43C	1171	2
	L43D	2307	2
	L48	150	2
	L49	150	1
	L51A	2170	1
	L51B	2370	1
	L51C	1133	1
	L51D	1133	1
	L51E	2269	1
	L51F	2269	1
	L51G	2269	1
	L61	1520	2
	L62	1805	2

PART	#	mm	Qty.
	L23	645	26
	L24A	1610	6
	L24B	1845	2
	L24C	2344	4
	L24D	1746	2
	L24E	1571	2
	L40A	2370	1
	L40B	2170	1
	L40C	1135	1
	L40D	1135	1
	L40E	2271	1
	L40F	2271	1
	L43A	2305	2
	L43B	2339	3

PART	#	mm	Qty.
	L15	552	4
	L16	552	4
	L17	470	8
	L18	587	4
	L21	357	4
	L22A	2283	2
	L22B	2283	2
	L22C	1127	2
	L22D	2263	4
	L22E	1693	1
	L22F	1693	1
	L22G	1210	1
	L22H	1715	1
	L22I	1715	1
	L22J	1143	1
	L22K	1143	1

PART	#	mm	Qty.
	L08D	383	2
	L08E	1520	15
	L08F	1380	15
	L08G	1363	2
	L08H	1363	2
	L08I	670	2
	L08J	670	2
	L10A	1986	2
	L10B	568	1
	L10C	1595	1
	L10D	1802	1
	L11	1875	8
	L12	572	4
	L13A	572	4
	L13B	572	8
	L14	572	4

PART	#	mm	Qty.
	L01A	1403	1
	L01B	1403	1
	L01C	1403	2
	L01D	1403	2
	L01E	1520	3
	L01F	1520	3
	L02	2269	2
	L03A	1918	2
	L03B	1918	2
	L04	1135	2
	L05	2324	2
	L06A	548	4
	L06B	1564	4
	L08A	1933	1
	L08B	1933	1
	L08C	2304	1

PARTS LIST

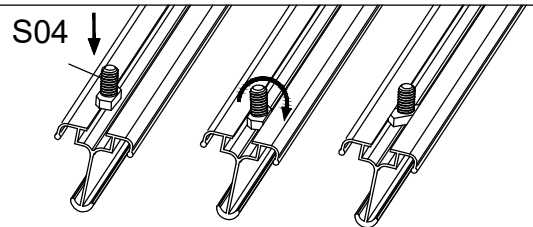
PART	#	mm	Qty.
	T01		1
	T02		1

PART	#	mm	Qty.
	Q01		16
	H03	Ø12*Ø6*18	6
	A106		54

PART	#	mm	Qty.
	J04L#		3
	J04R#		3
	J11		8
	J13		8
	J15	Ø6.5*20	8
	J18	1880	4
	J19	188M	1
	J25	1518	117
	J25-1	1518	9
	G01	1400	6
	G02	44*33*20	6
	G03	1'	6

PART	#	mm	Qty.
	W01		3
	W02		6
	W05		4
	W08A	300	6
	W08B	300	8
	W08C	300	2
	W09		38
	W11		16
	W12		4
	W13	Ø12*28	4
	W18	146*30	6
	W19	146*34	3
	W20	81*81*30	2
	W21	Ø12*Ø6*1.5	4
	W23	128*94	2
	W46		10

PART	#	mm	Qty.
	S01	M6*12	419
	S02	M6*16	18
	S03	M6*40	4
	S04	M6*14	10
	S05	M5*25	6
	S07	M6*60	10
	S08	M4*16	6
	M01	M6	441
	M02	M5	6
	Z01	Ø4*16	80
	Z02	Ø4*6	8
	Z04	Ø4*16	14



Note:

No need to remove parts if you forget to insert screws S01 into the channel, you can use drive screws S04 in place of the S01.

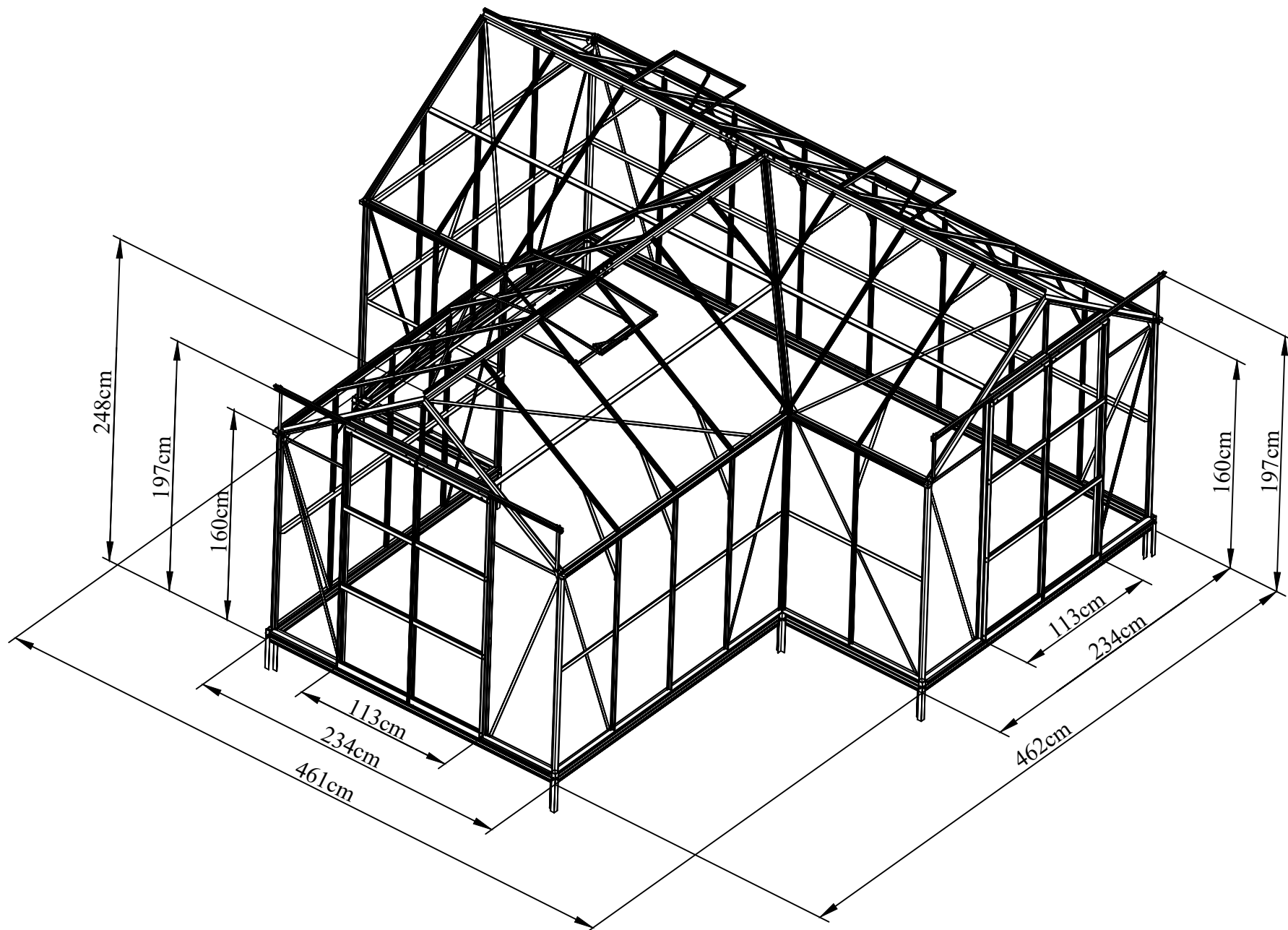


Diagram 1 - Component Assembly Locations

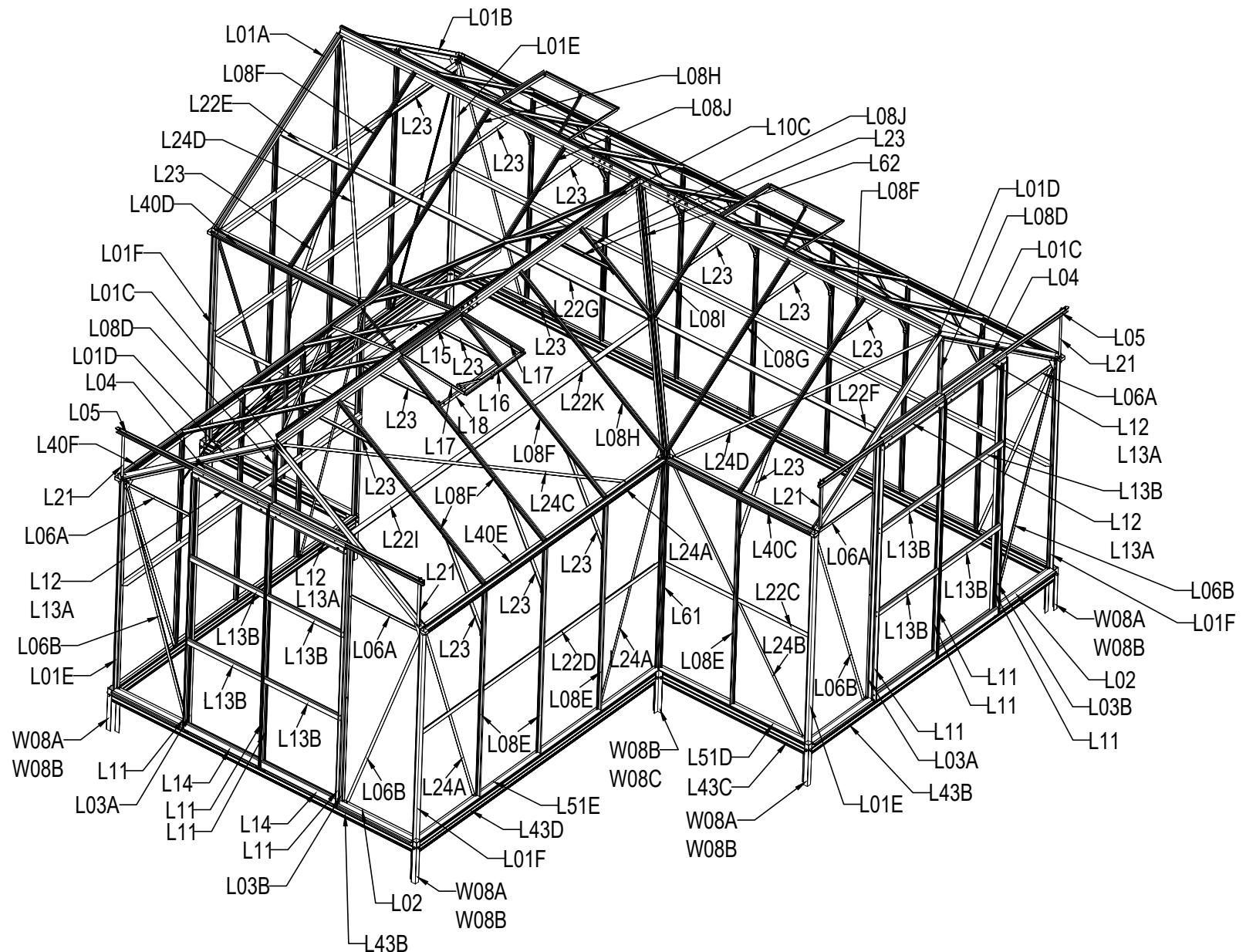


Diagram 2 - Component Assembly Locations

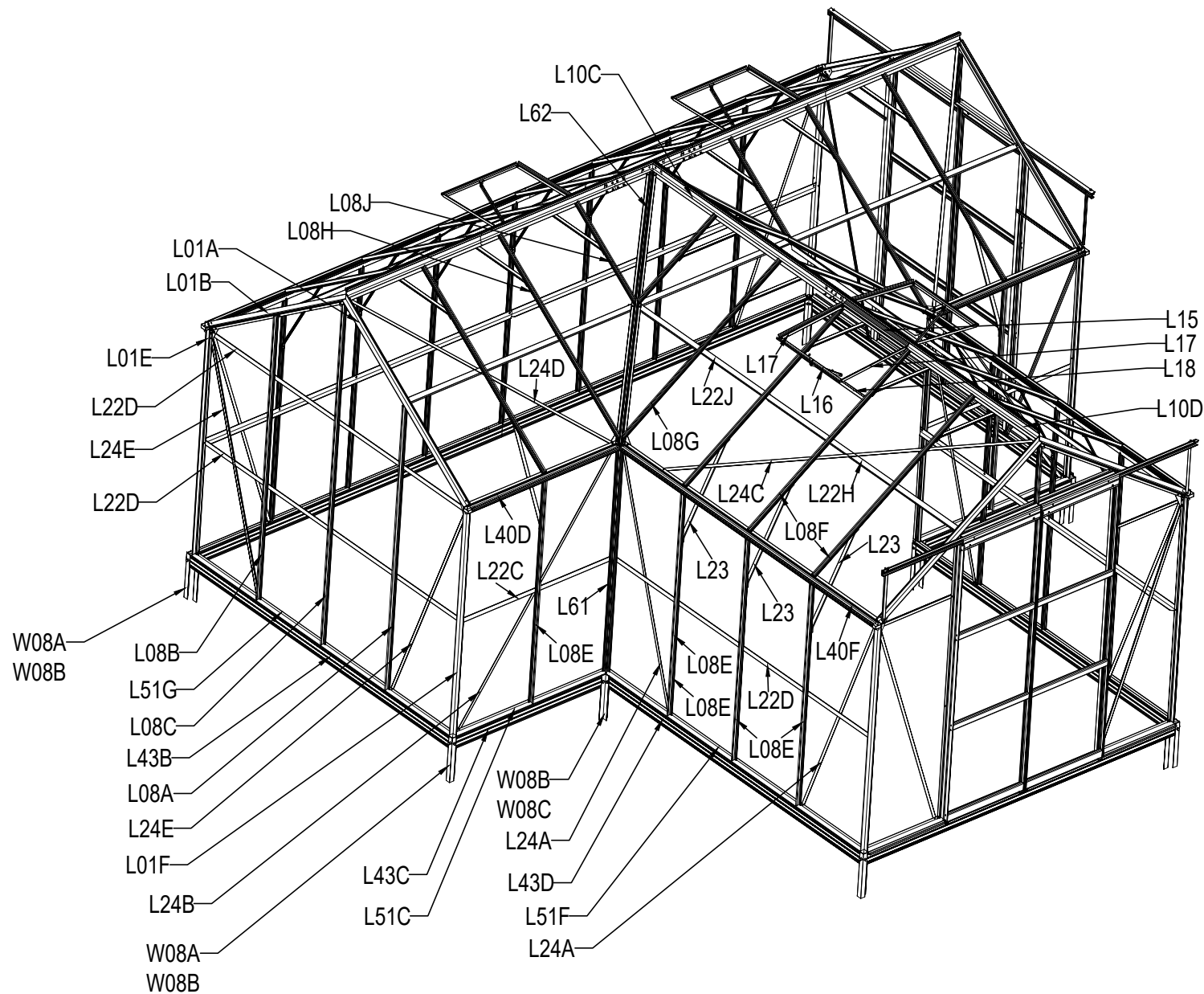
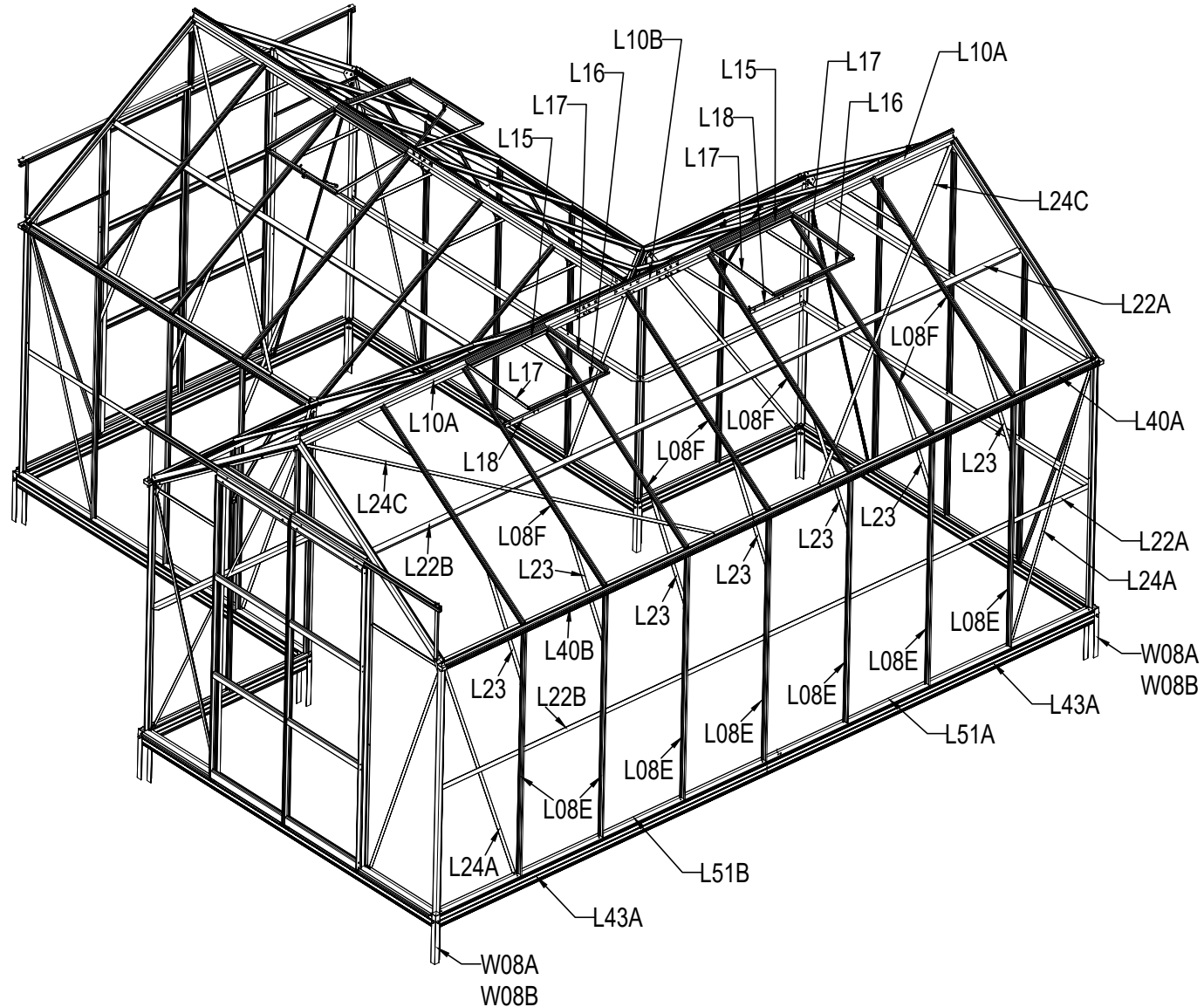
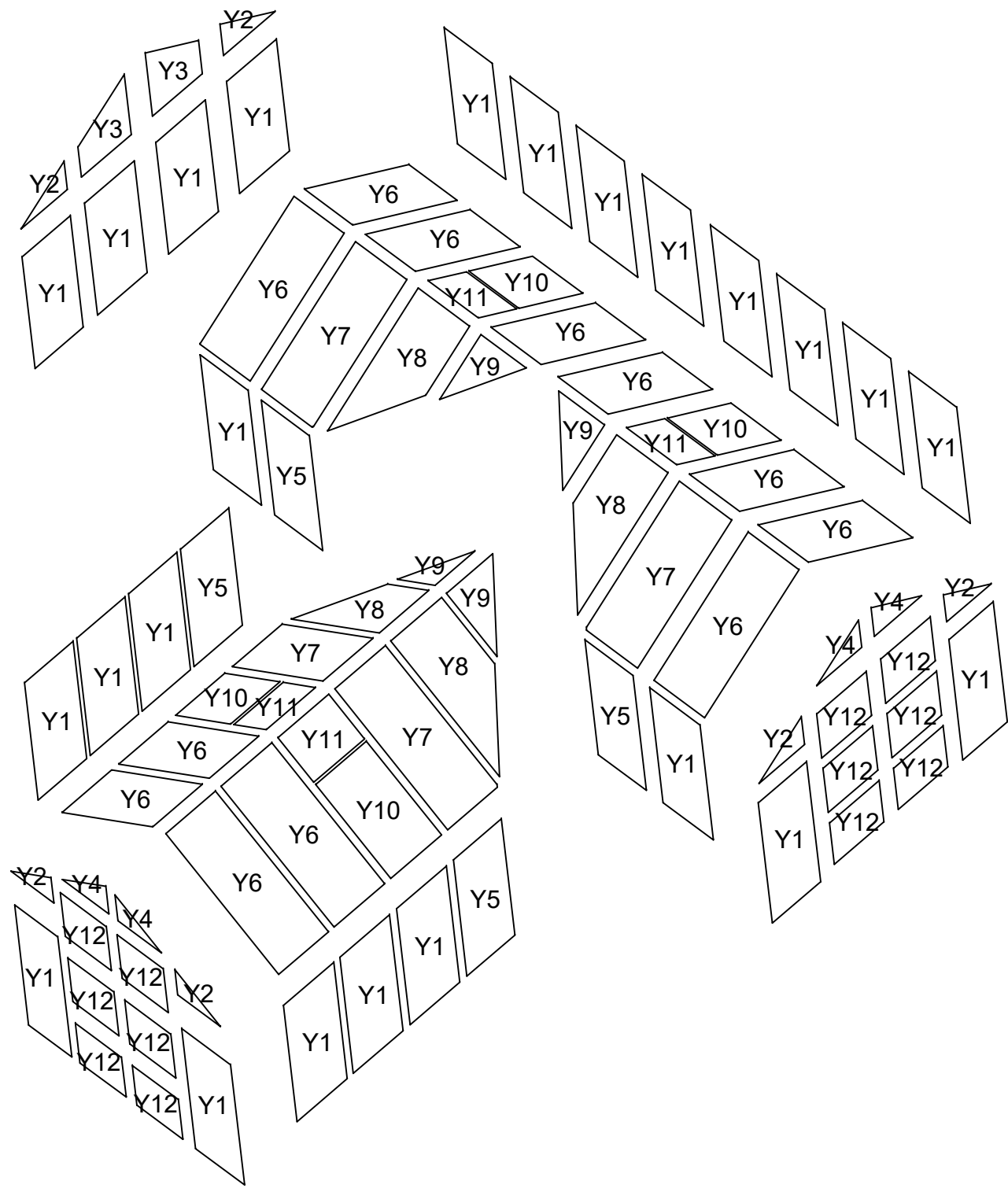


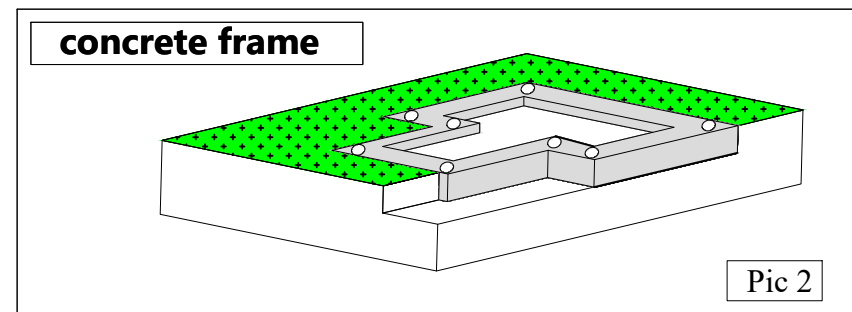
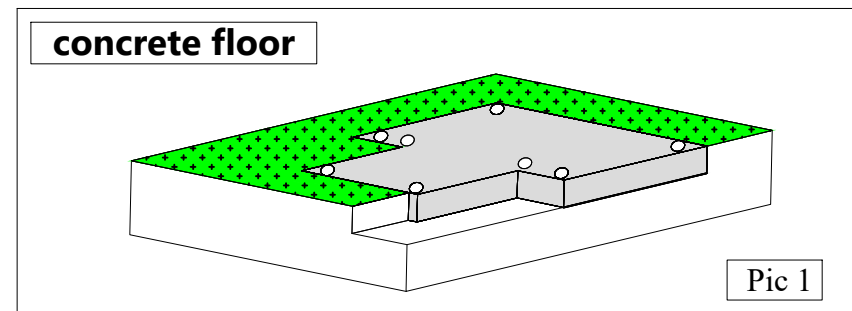
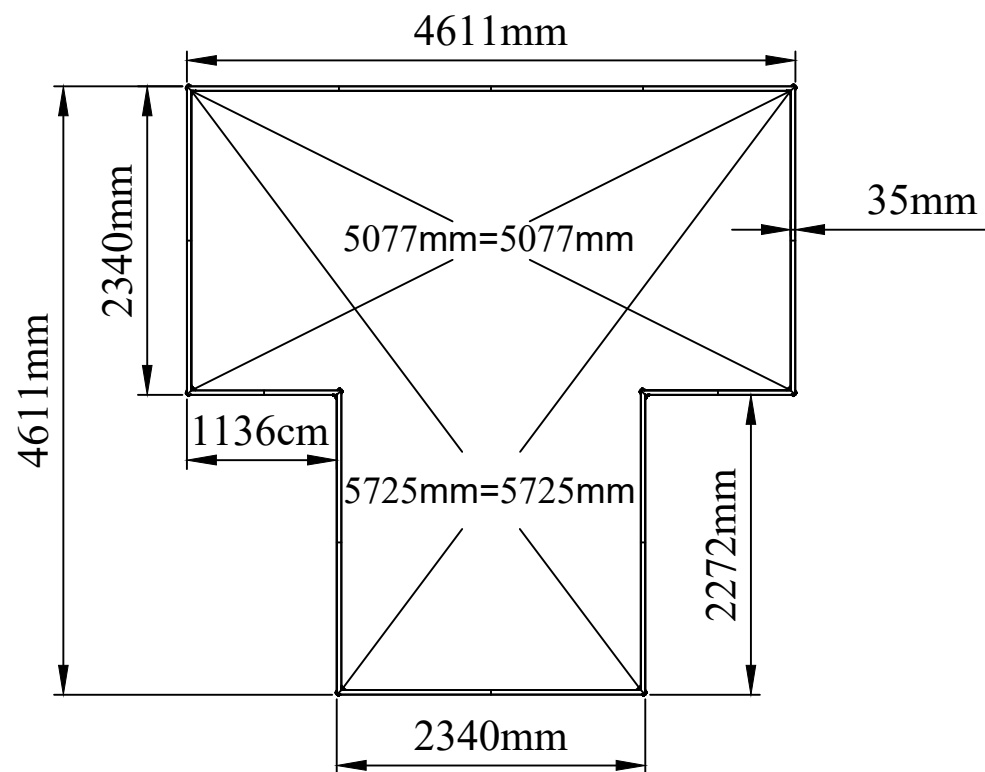
Diagram 3 - Component Assembly Locations



Glass



Part	#	mm	Qty
	Y1	559x1518	24
	Y2	559x433	6
	Y3	559x830	2
	Y4	567x410	4
	Y5	541x1518	4
	Y6	559x1392	12
	Y7	559x1392	4
	Y8	559x1371	4
	Y9	556x679	4
	Y10	559x906	4
	Y11	554x497	4
	Y12	565x571	12



You don't want to grow in your greenhouse

Pic 1 (concrete floor)

Once the concrete base is installed, place it where you want to install the greenhouse.

Make a concrete floor a little bigger than your greenhouse.

Don't forget to dig 8 holes for the 8 of W08.

You want to grow in your greenhouse.

Option 1: Concrete frame (Pic. 2)

Once the concrete frame is installed, put it where you want to install the greenhouse.

Make a concrete frame around the entire greenhouse (including the door access) on which the base will be placed, remember to dig 8 holes for the 8 of W08.

You install the structure of the greenhouse, it will be placed on the base, then you install the glass.

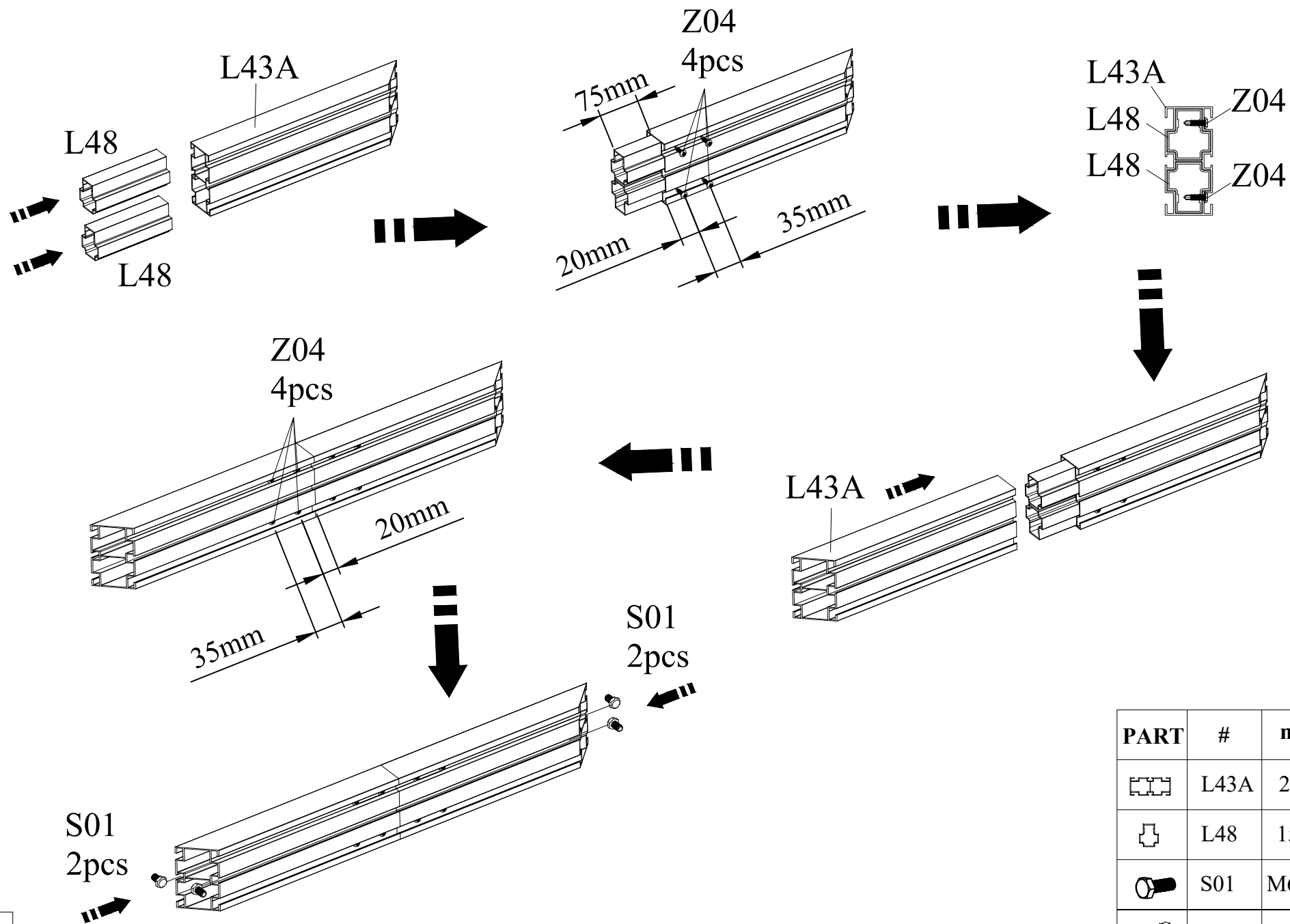
Option 2: Concrete Pile (Pic. F on page 11)

Once the base is installed, put it where you want to install the greenhouse.

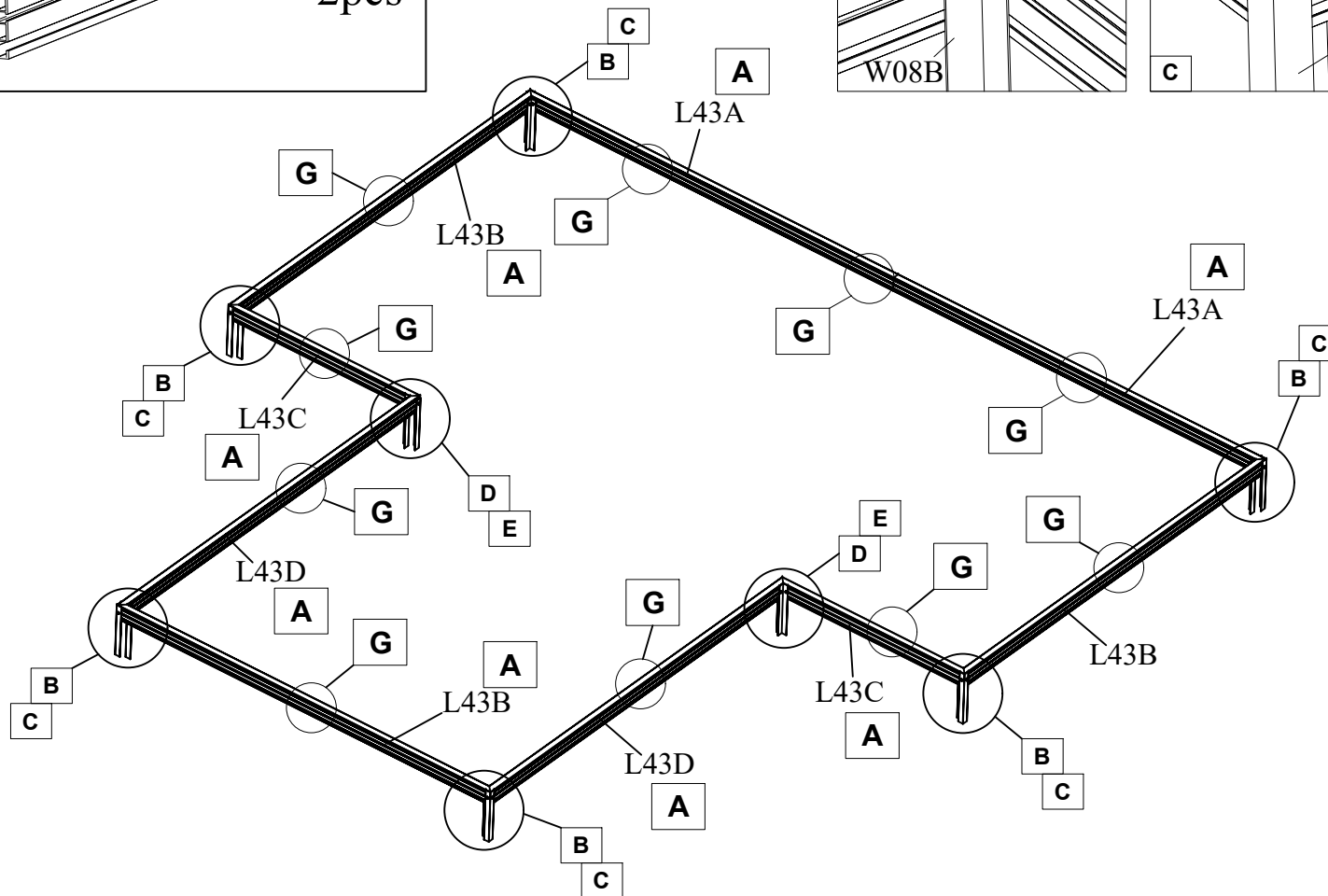
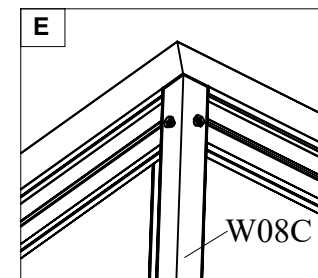
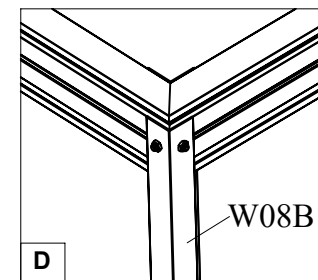
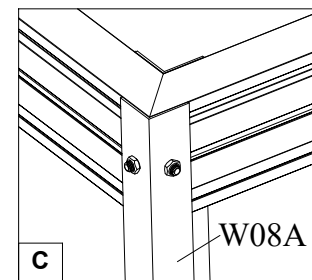
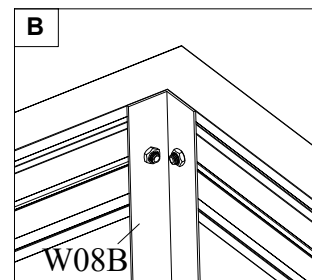
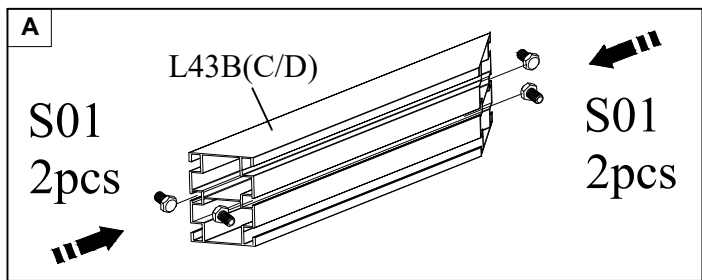
Dig a hole about 20 cm deep in each of the 8 of W08 and pour concrete into it. (The base must be placed on a flat ground).

You install the structure of the greenhouse, it will be placed on the base, then you install the glass.

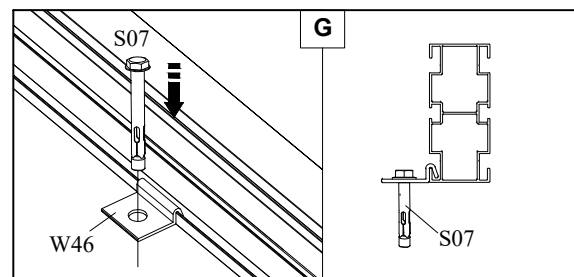
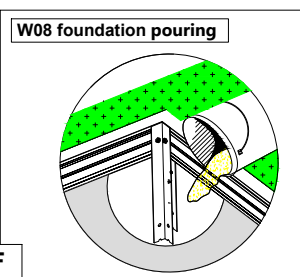
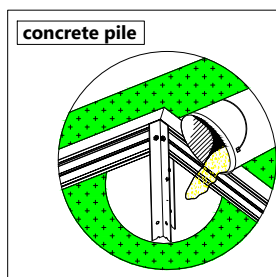
Note : After the greenhouse is completely installed, then pour concrete into the W08 hole to fix it.



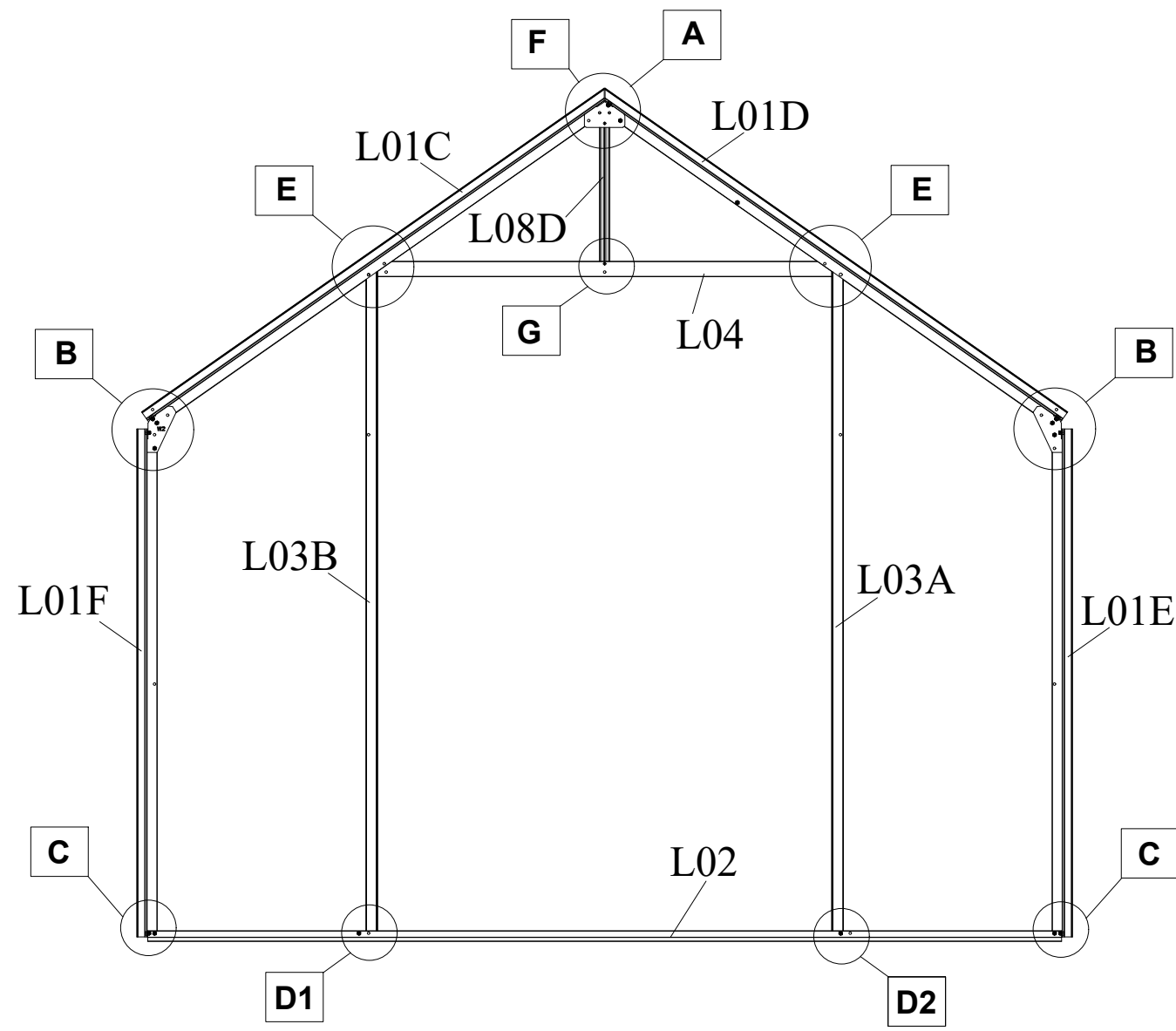
PART	#	mm	Qty.
	L43A	2305	2
	L48	150	2
	S01	M6*12	4
	Z04	Ø4*16	8



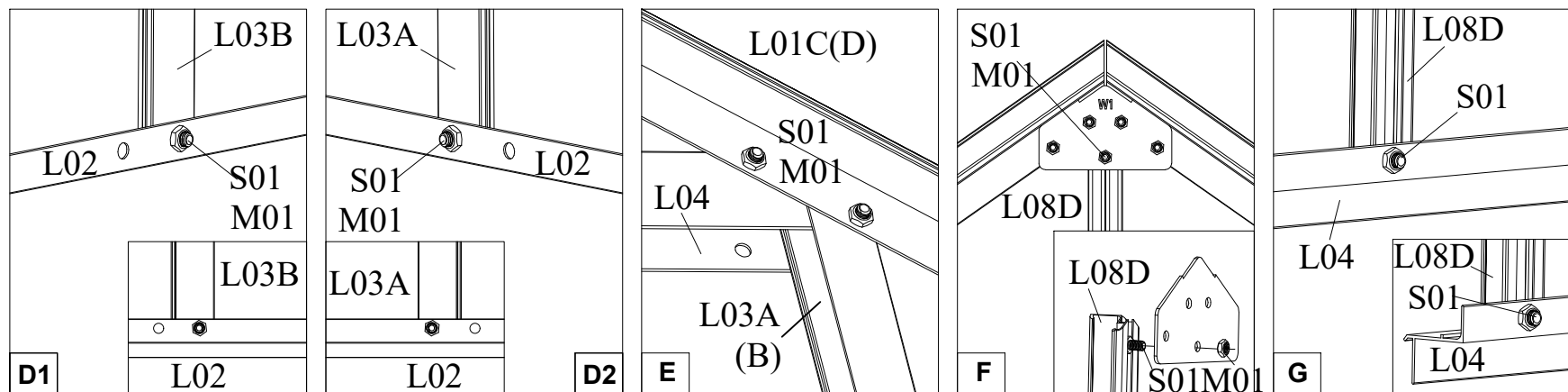
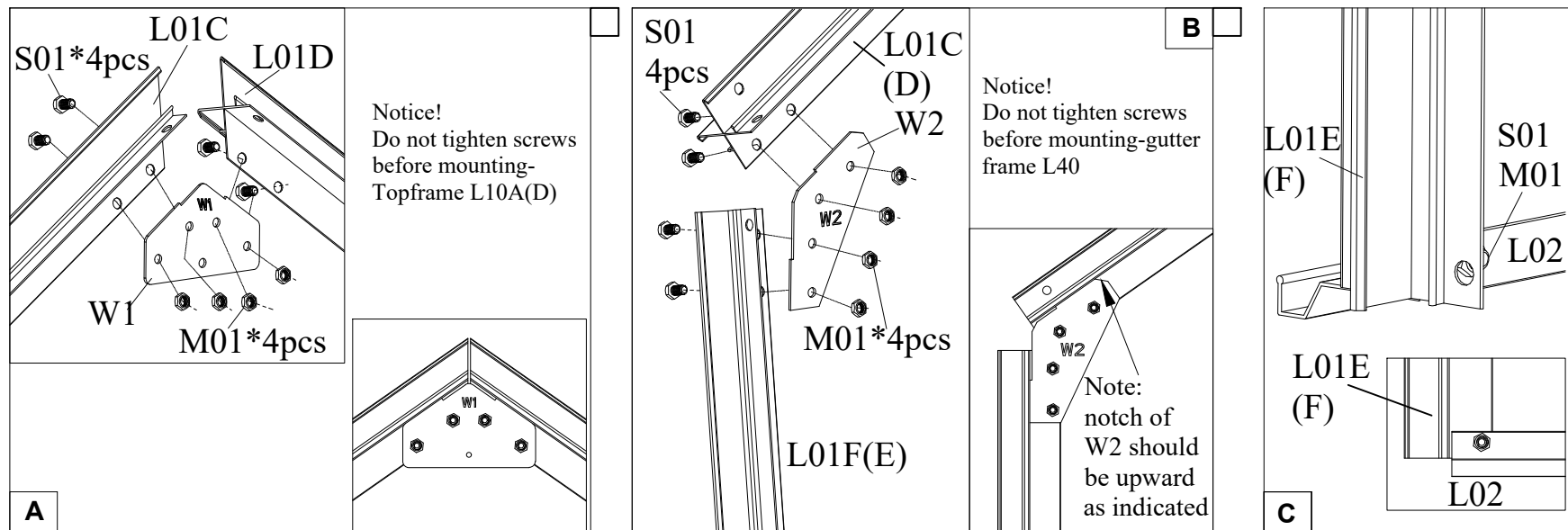
PART	#	mm	Qty.
	L43B	2339	3
	L43C	1171	2
	L43D	2307	2
	W08A	300	6
	W08B	300	8
	W08C	300	2
	W46		10
	S01	M6*12	28
	S07	M6*60	10
	M01	M6	32



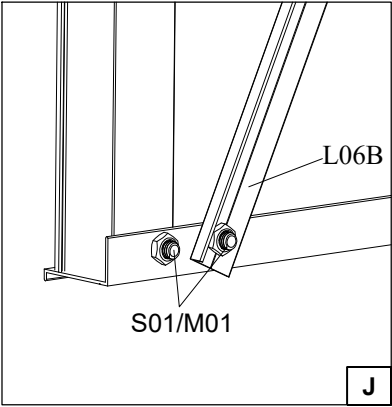
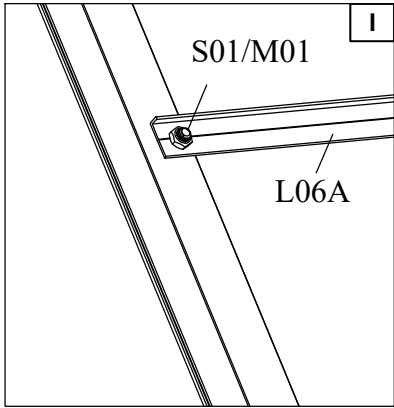
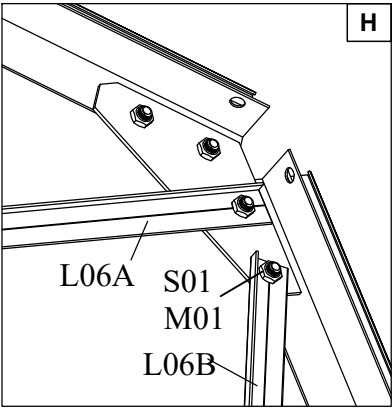
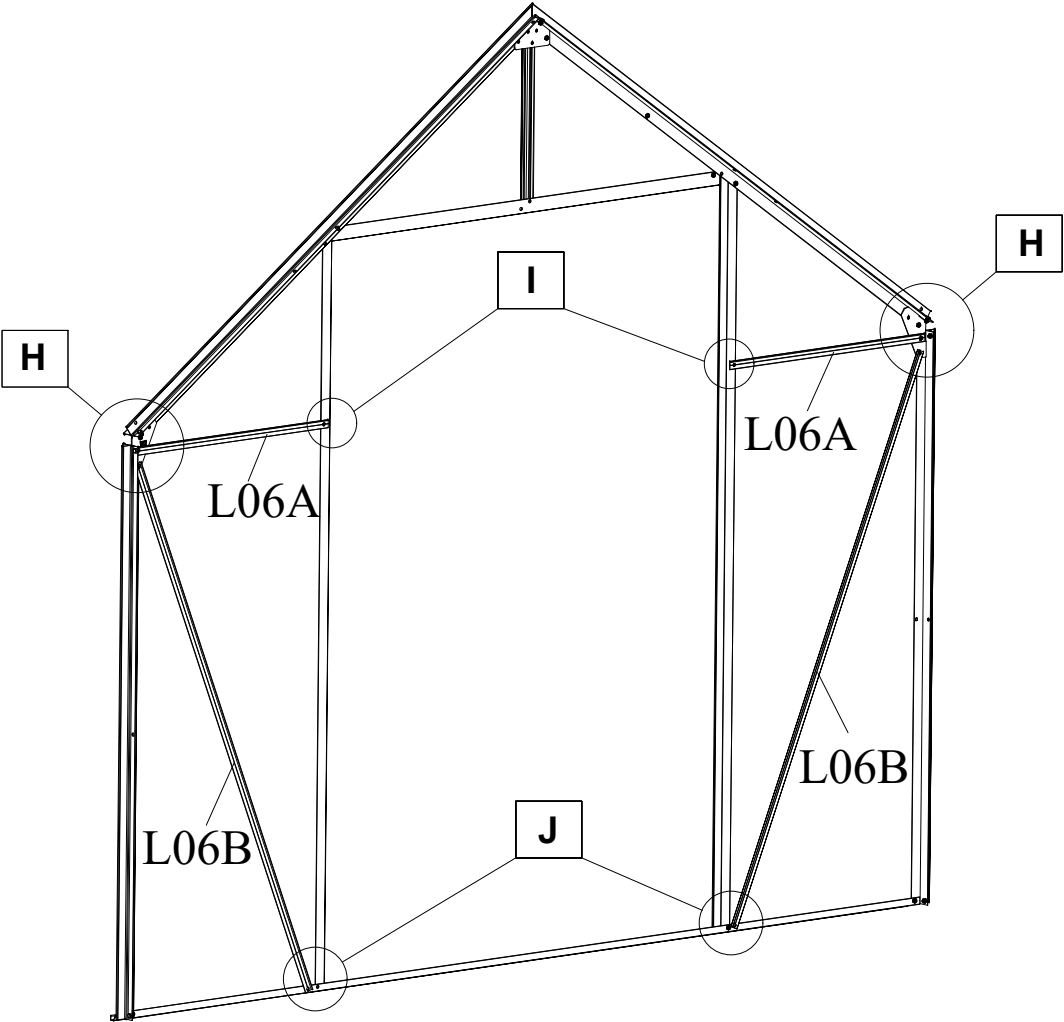
Front & Right Frame Installation



PART	#	mm	Qty.
	L01C	1403	2
	L01D	1403	2
	L01E	1520	2
	L01F	1520	2
	L02	2269	2
	L03A	1918	2
	L03B	1918	2
	L04	1135	2
	L08D	383	2
	W01		2
	W02		4
	S01	M6*12	44
	M01	M6	44

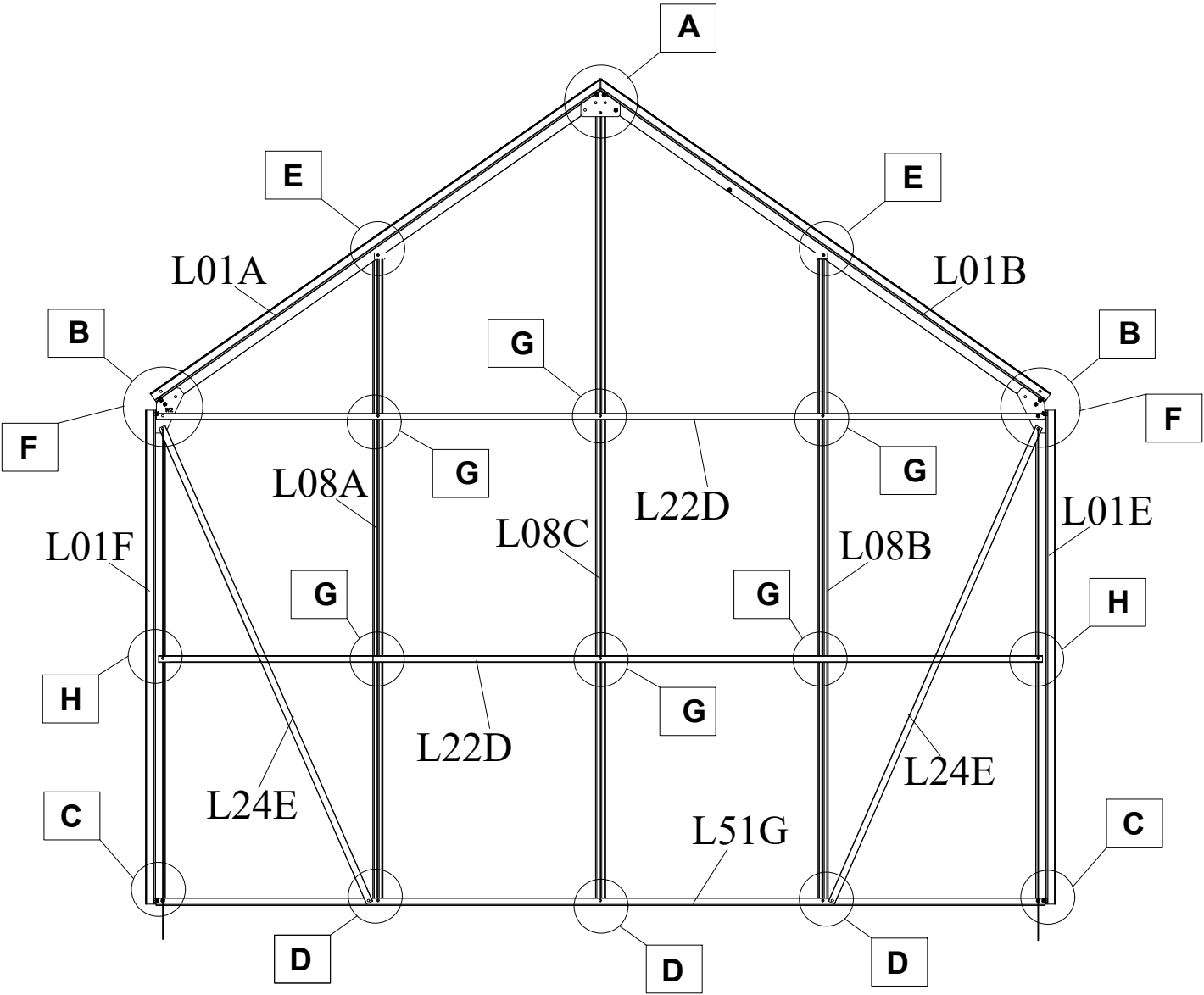


Front & Right Frame Installation

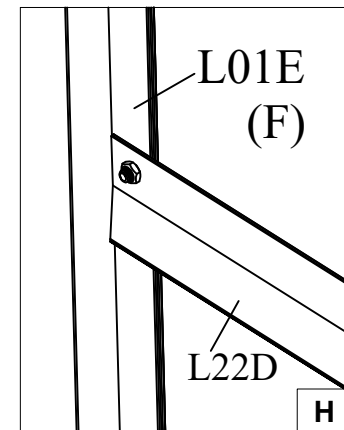
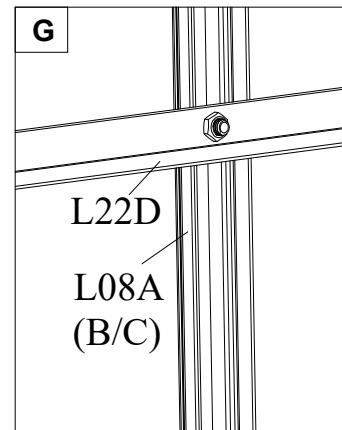
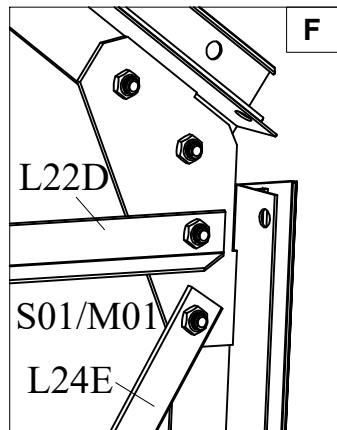
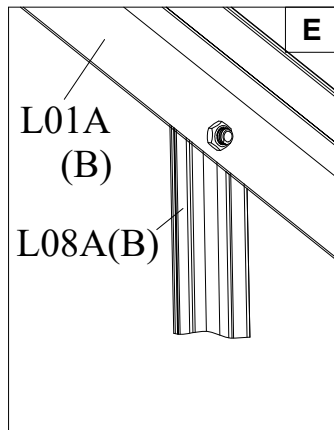
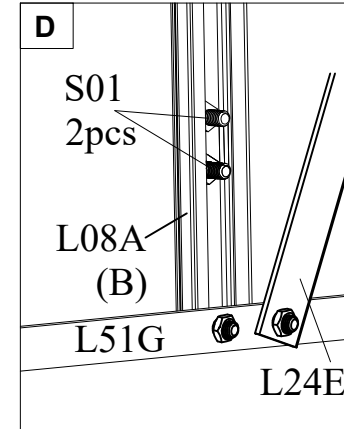
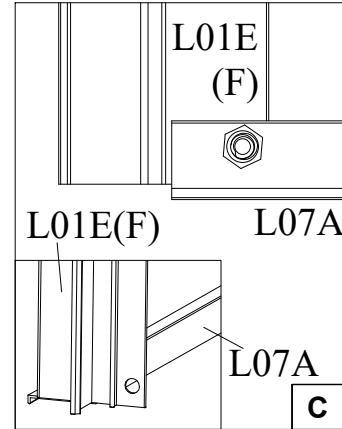
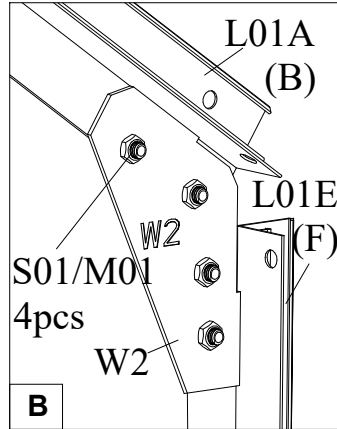
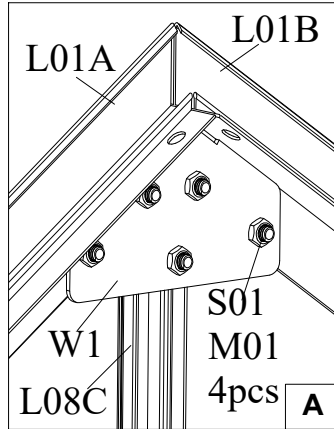


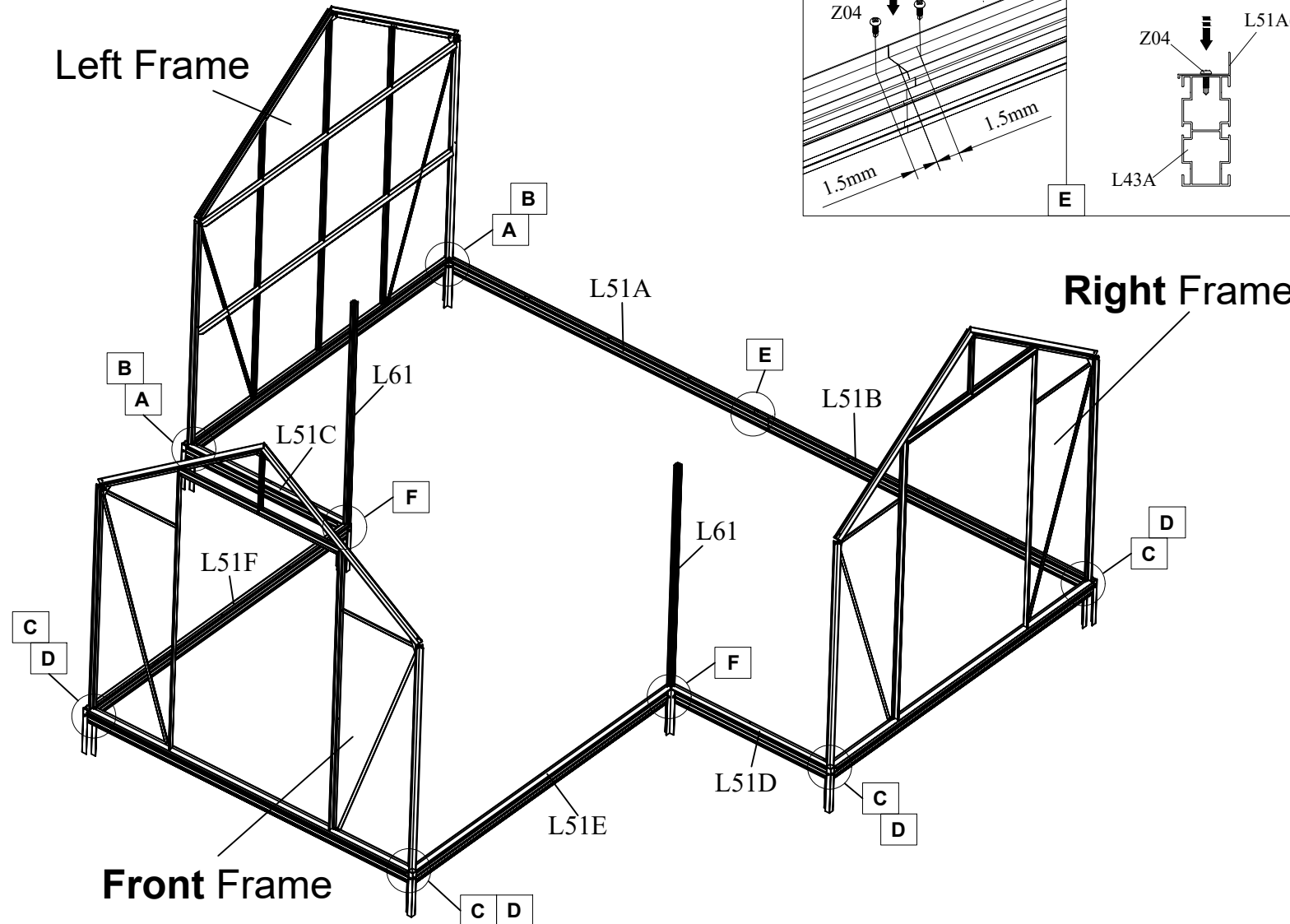
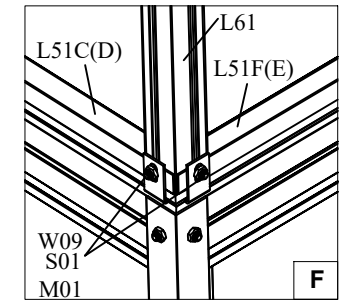
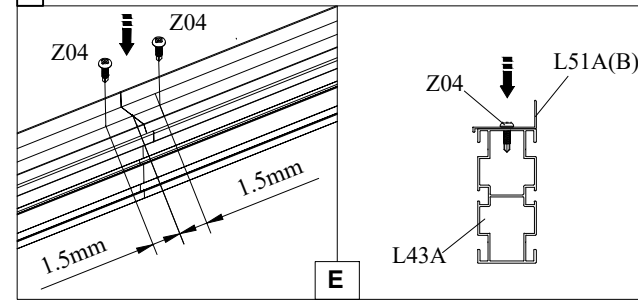
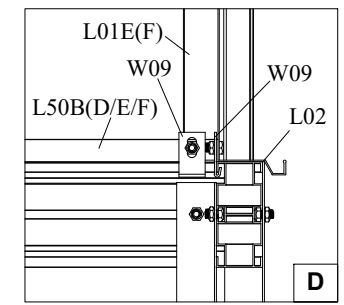
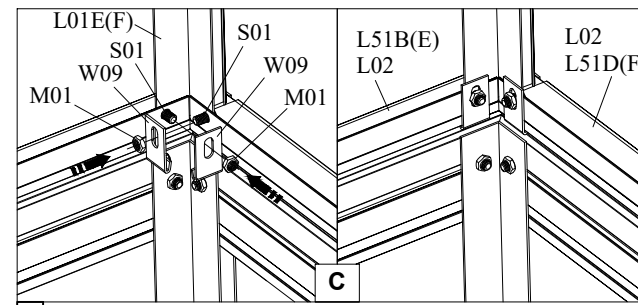
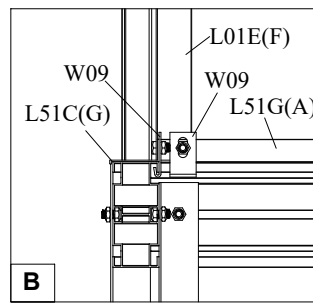
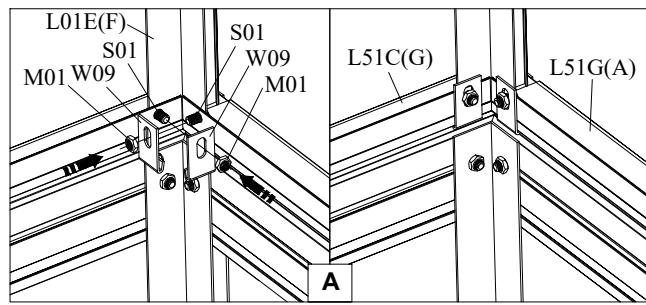
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	L06B	1564	4
	S01	M6*12	8
	M01	M6	8

Left Frame Installation

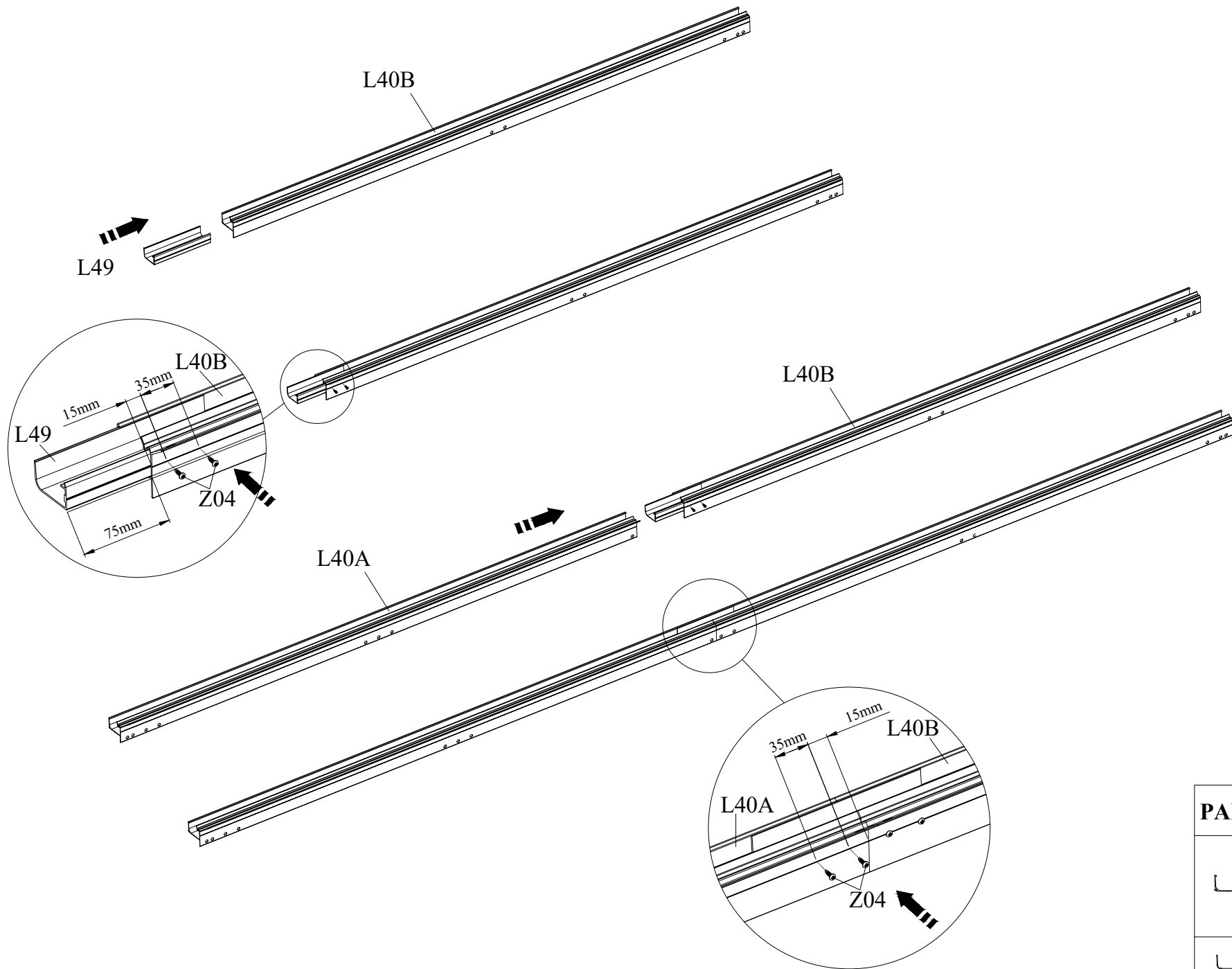


PART	#	mm	Qty.
	L01A	1403	1
	L01B	1403	1
	L01E	1520	1
	L01F	1520	1
	L08A	1933	1
	L08B	1933	1
	L08C	2304	1
	L22D	2263	2
	L24E	1571	2
	L51G	2269	1
	W01		1
	W02		2
	S01	M6*12	30
	M01	M6	30

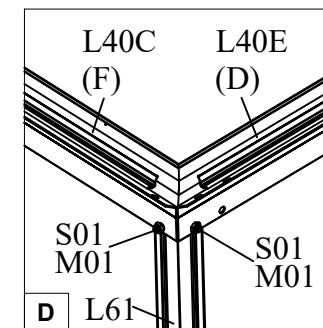
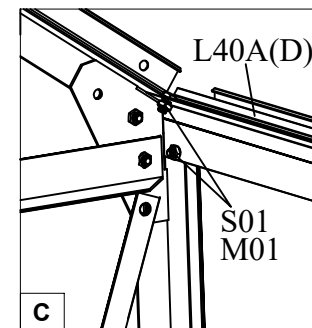
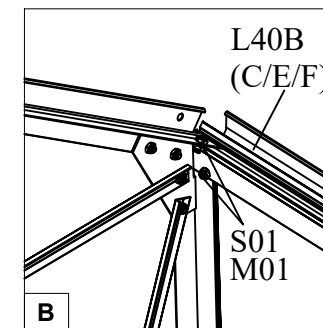
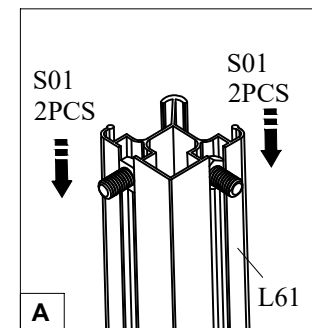
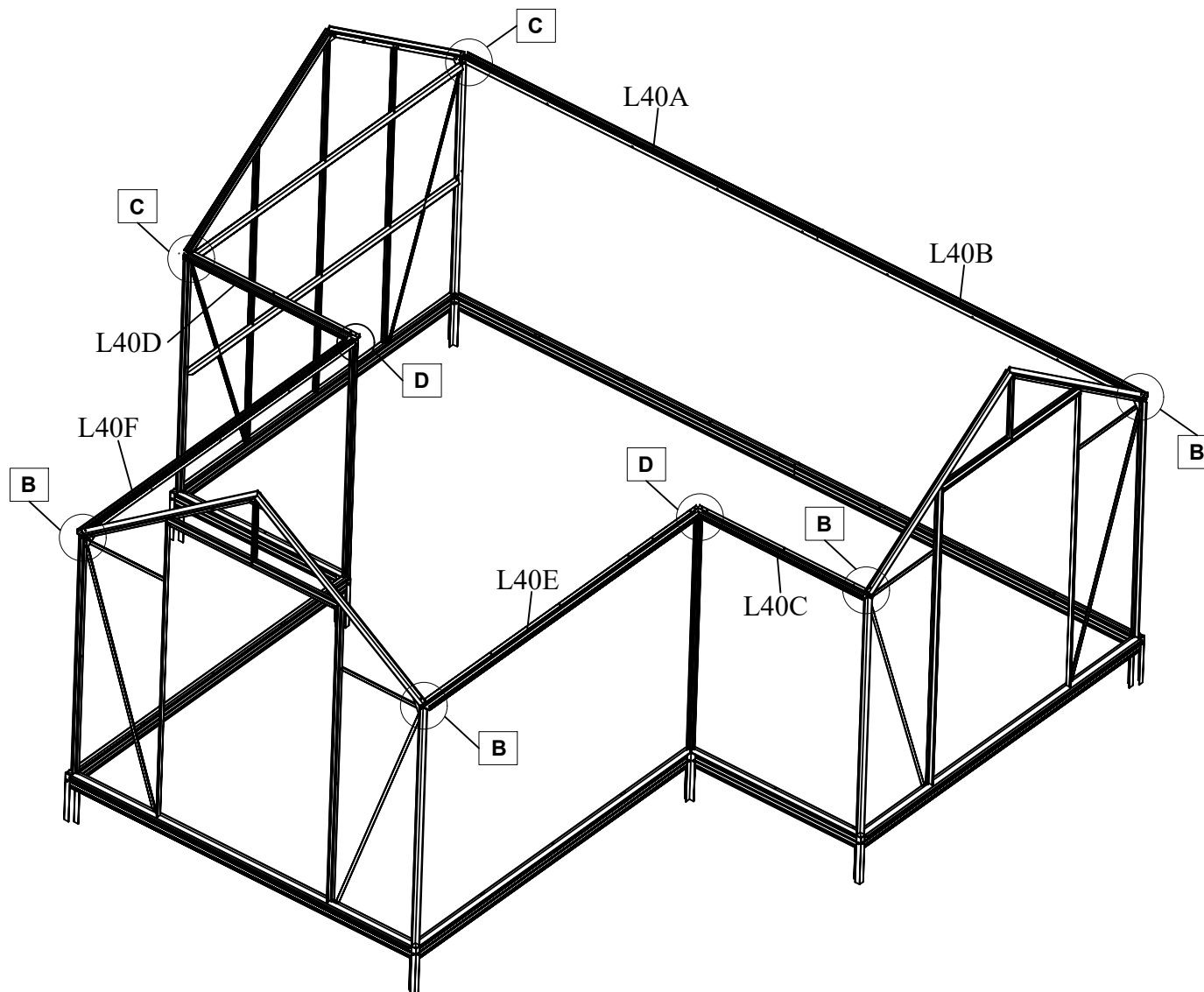




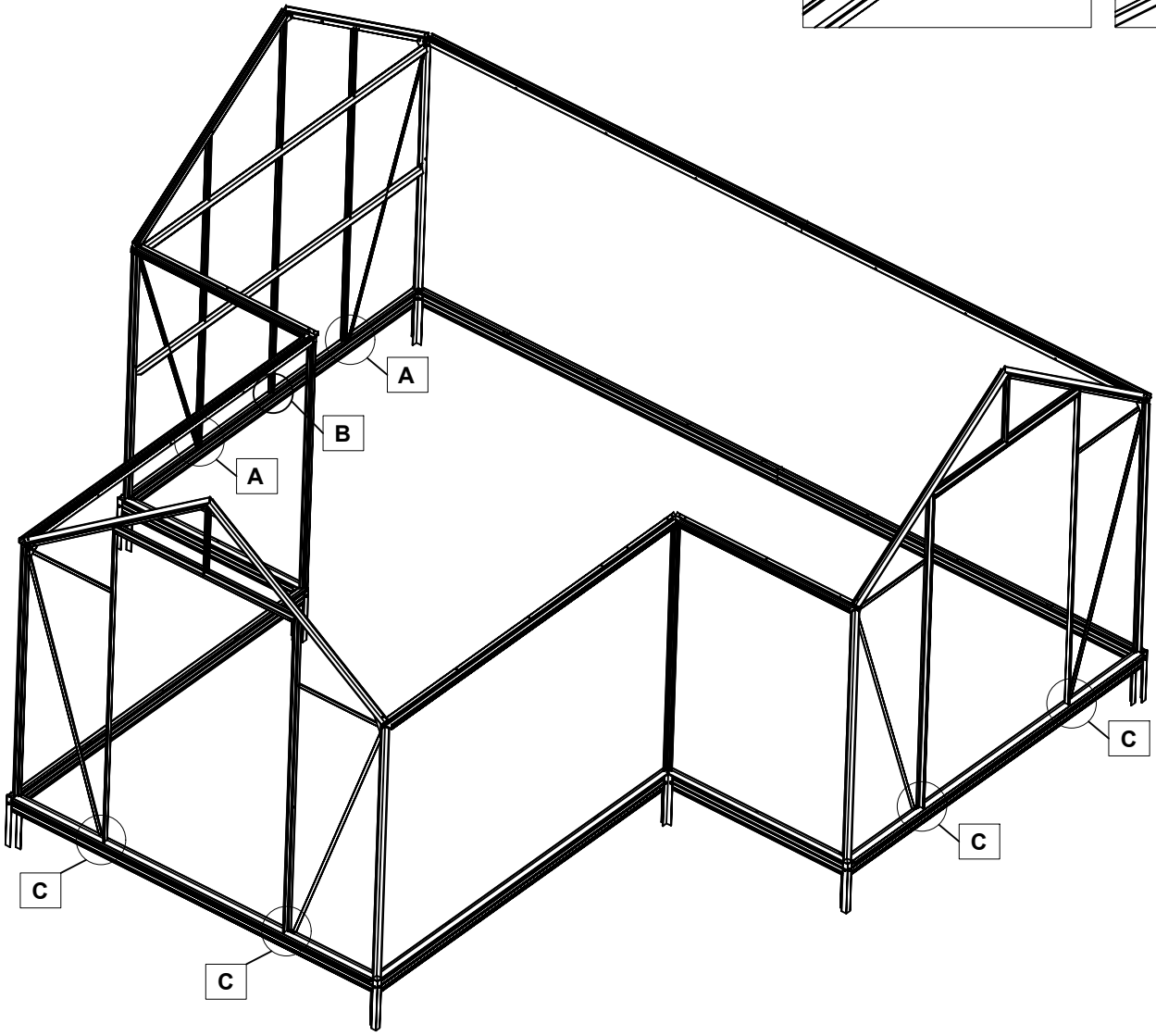
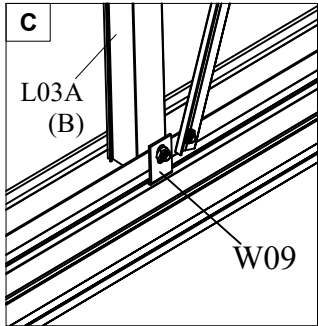
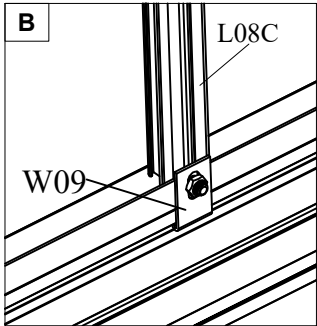
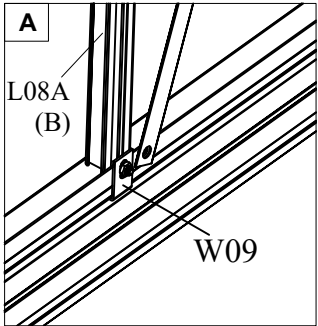
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	L51B	2370	1
	L51C	1133	1
	L51D	1133	1
	L51E	2269	1
	L51F	2269	1
	L61	1520	2
	W09		16
	Z04	Ø4*16	2
	S01	M6*12	10
	M01	M6	10



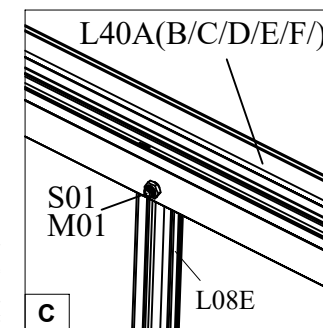
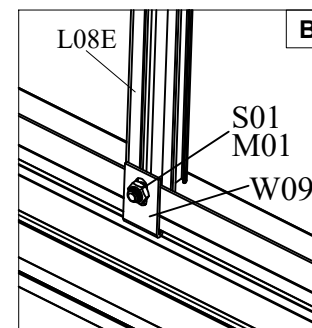
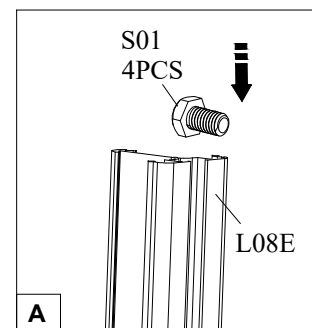
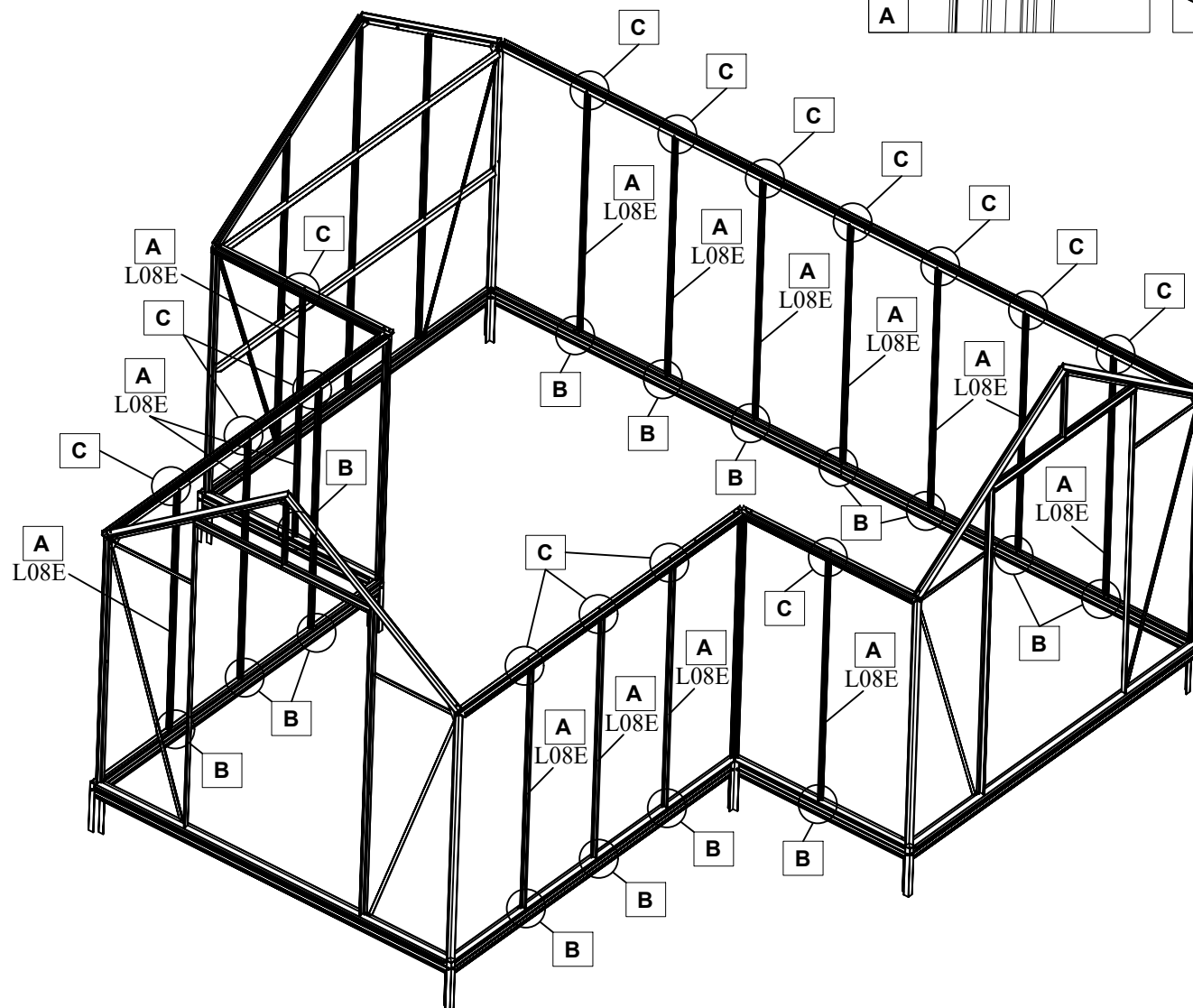
PART	#	mm	Qty.
	L40A	2370	1
	L40B	2170	1
	L49	150	1
	Z04	Ø4*16	4



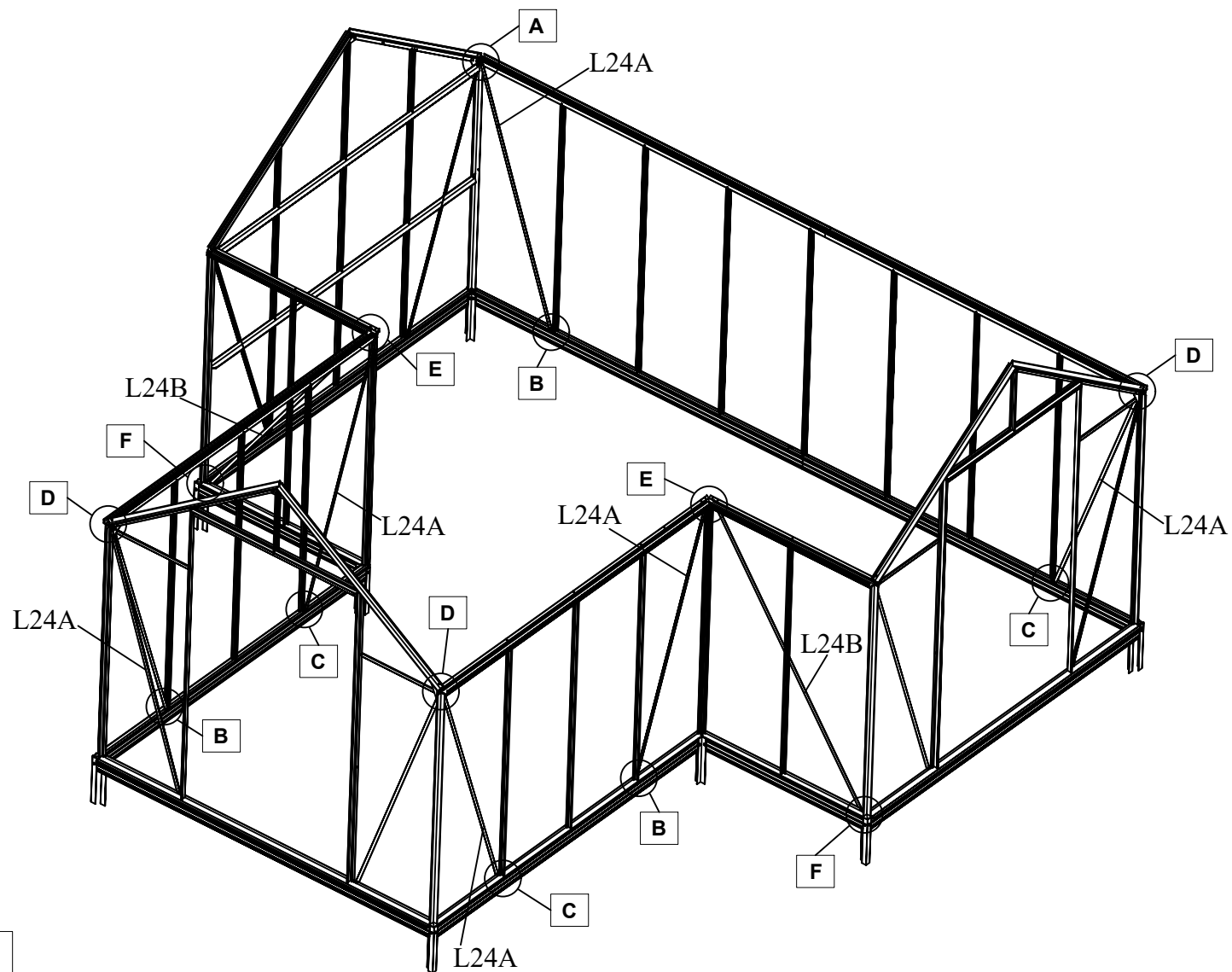
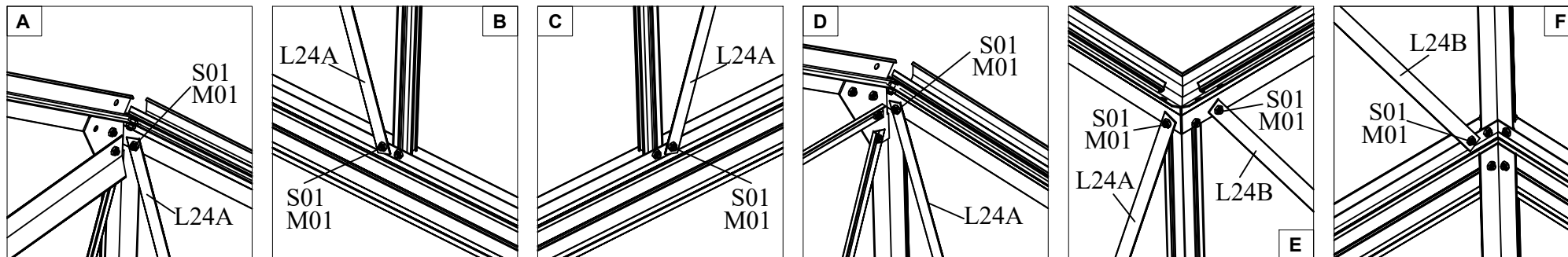
PART	#	mm	Qty.
	L40C	1135	1
	L40D	1135	1
	L40E	2271	1
	L40F	2271	1
	S01	M6*12	20
	M01	M6	16



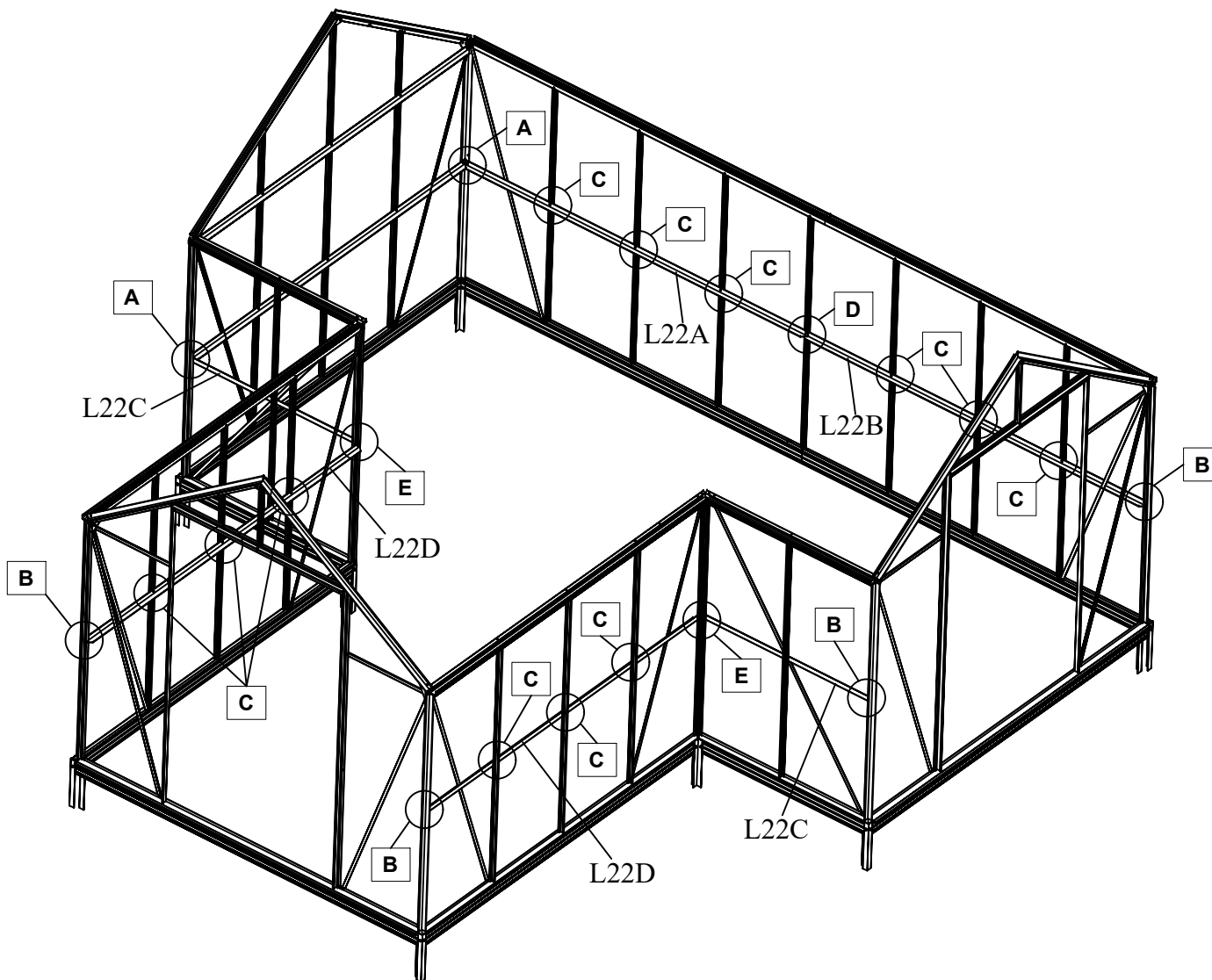
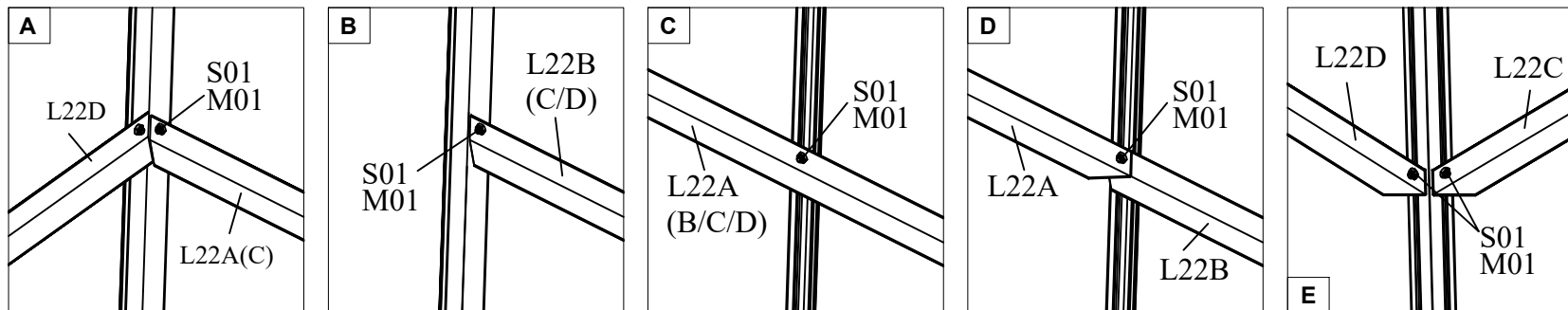
PART	#	mm	Qty.
	W09		7



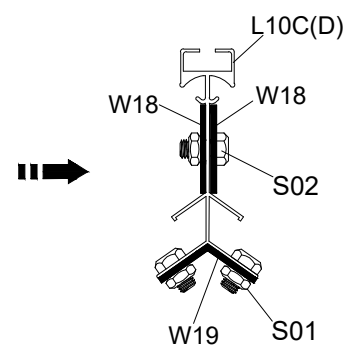
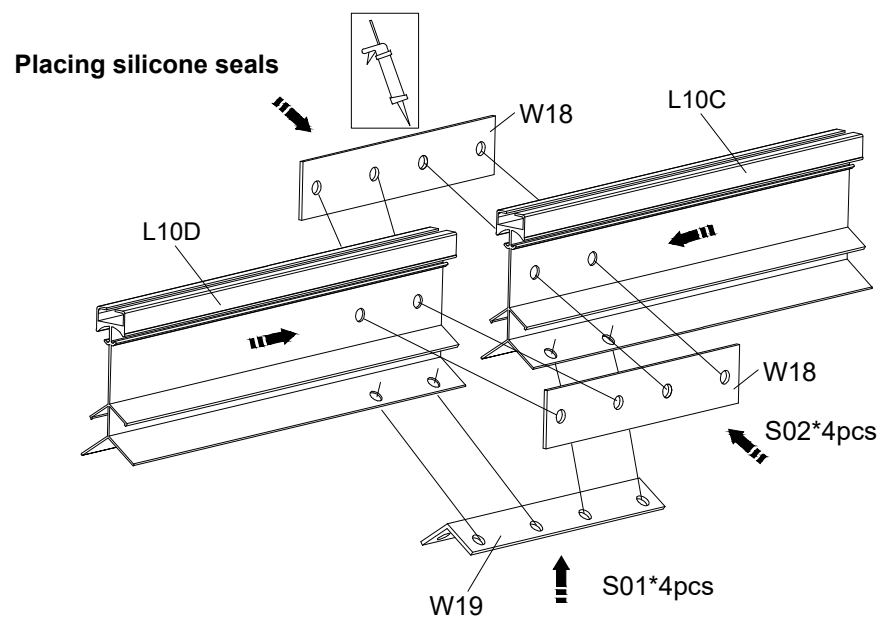
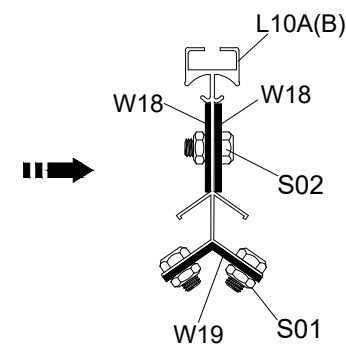
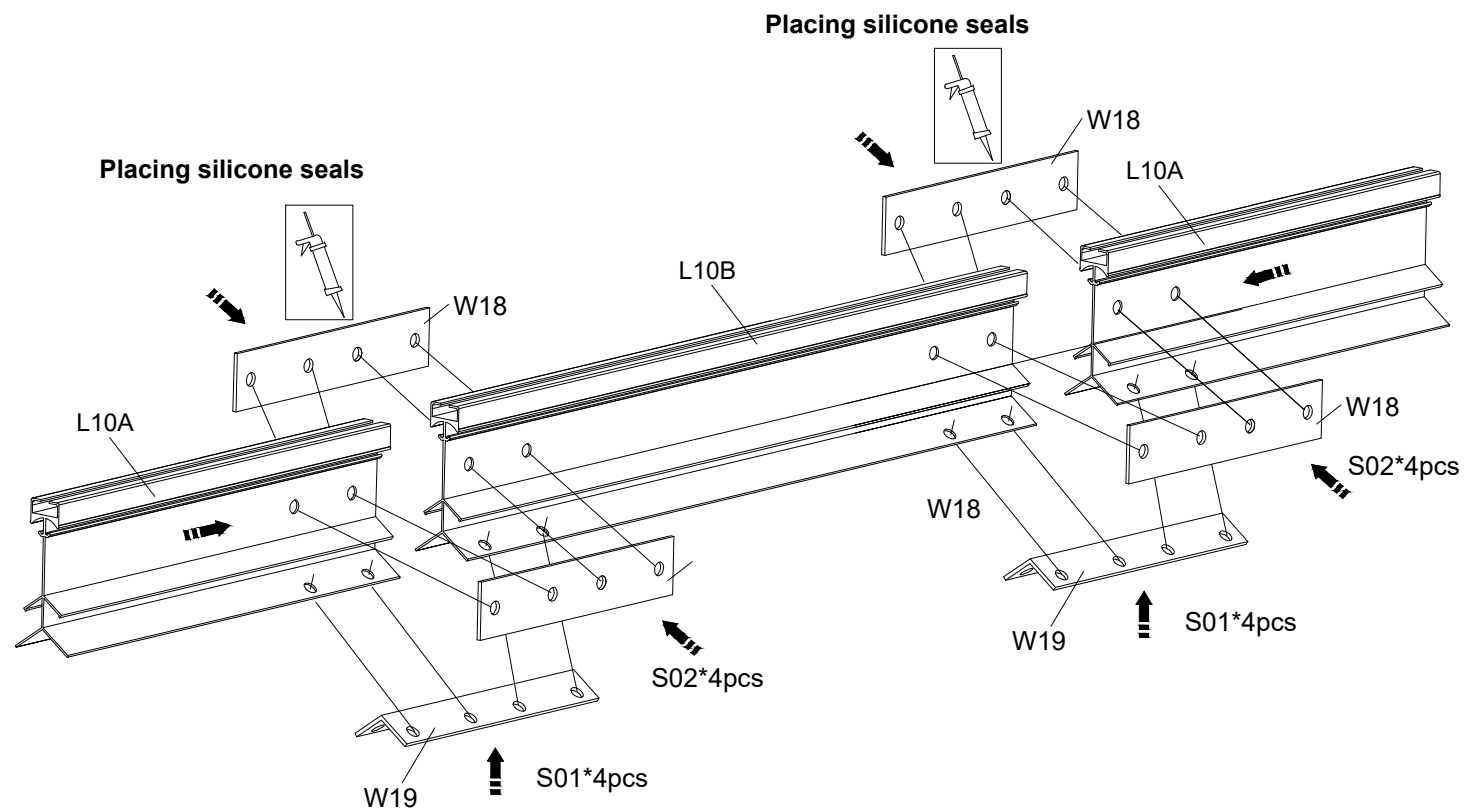
PART	#	mm	Qty.
	L08E	1520	15
	W09		15
	S01	M6*12	60
	M01	M6	30



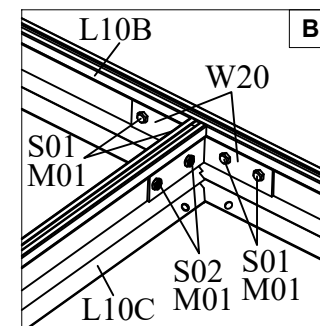
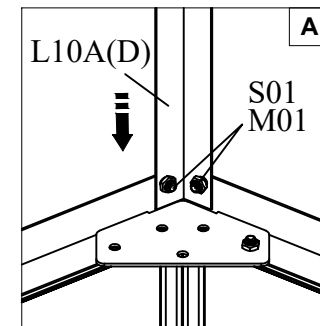
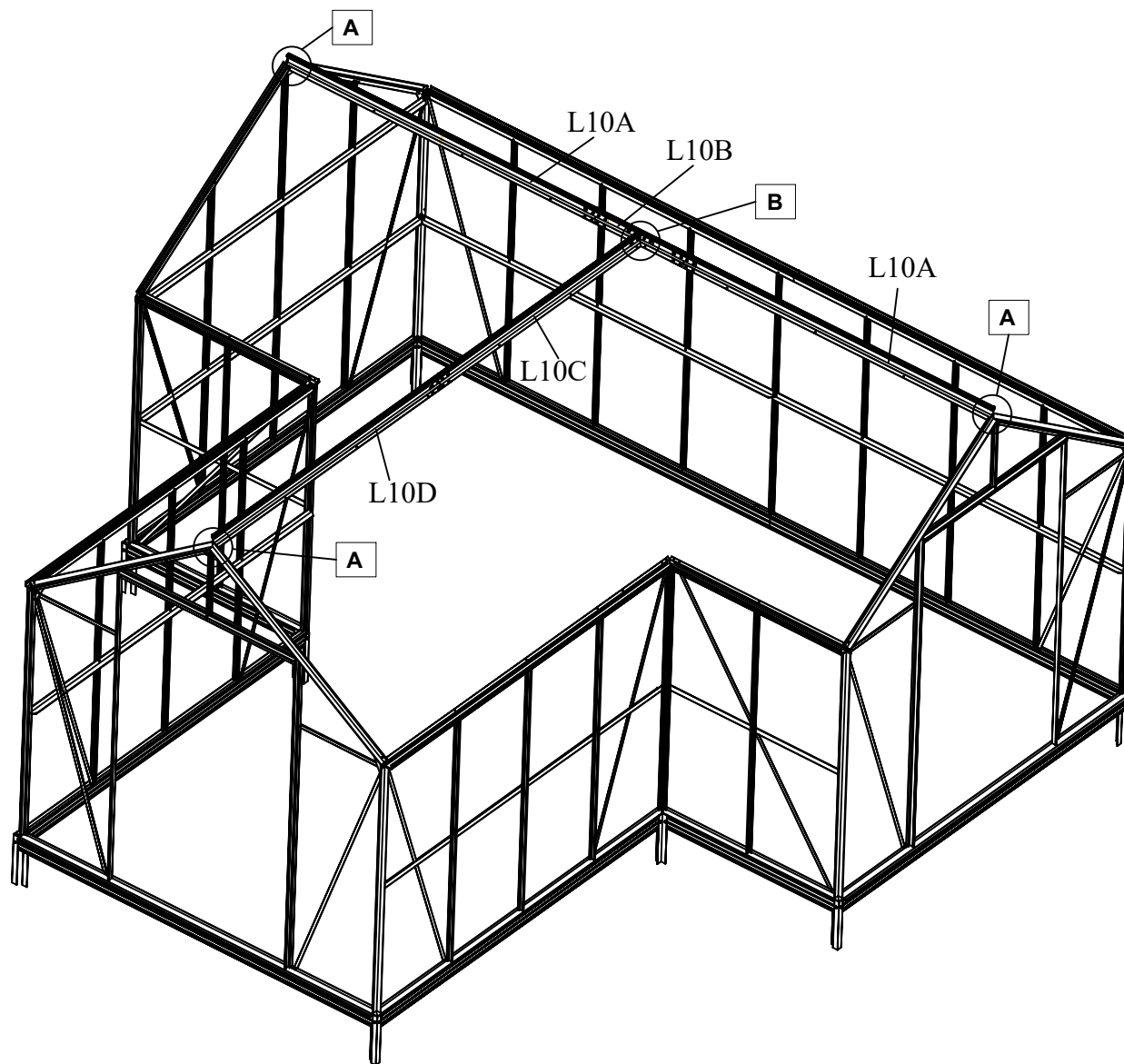
PART	#	mm	Qty.
	L24A	1610	6
	L24B	1845	2
	S01	M6*12	10
	M01	M6	10



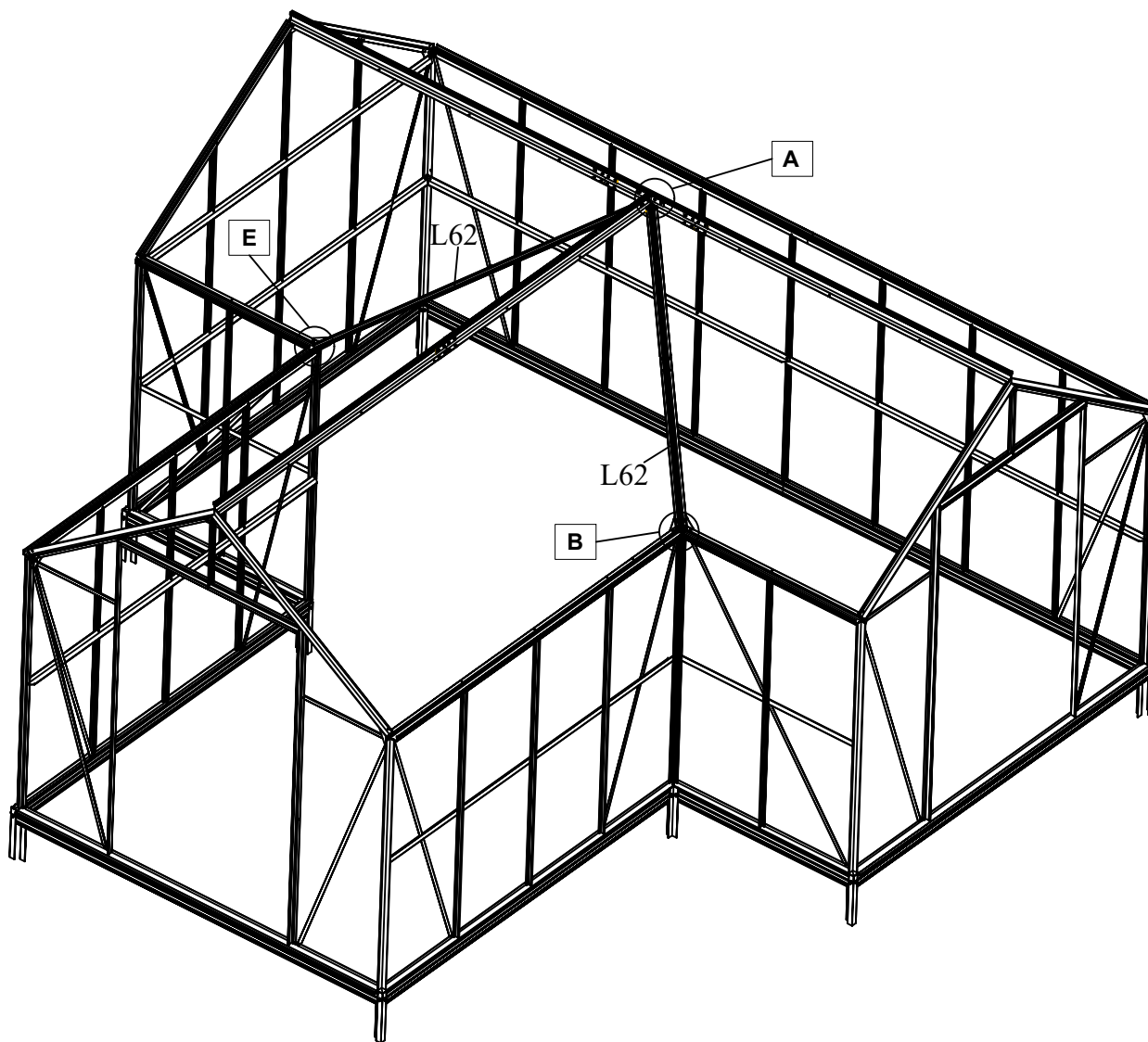
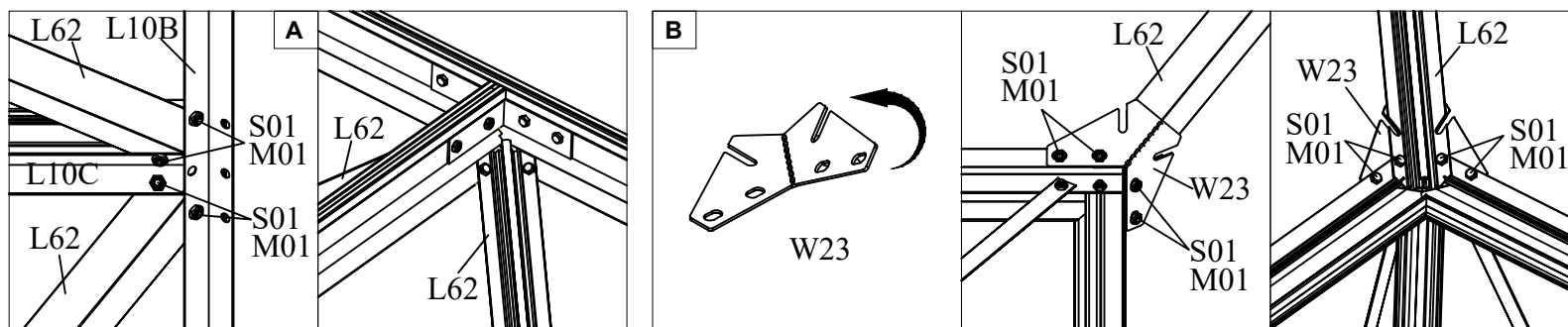
PART	#	mm	Qty.
L	L22A	2283	1
	L22B	2283	1
	L22C	1127	2
	L22D	2263	2
	S01	M6*12	6
	M01	M6	23



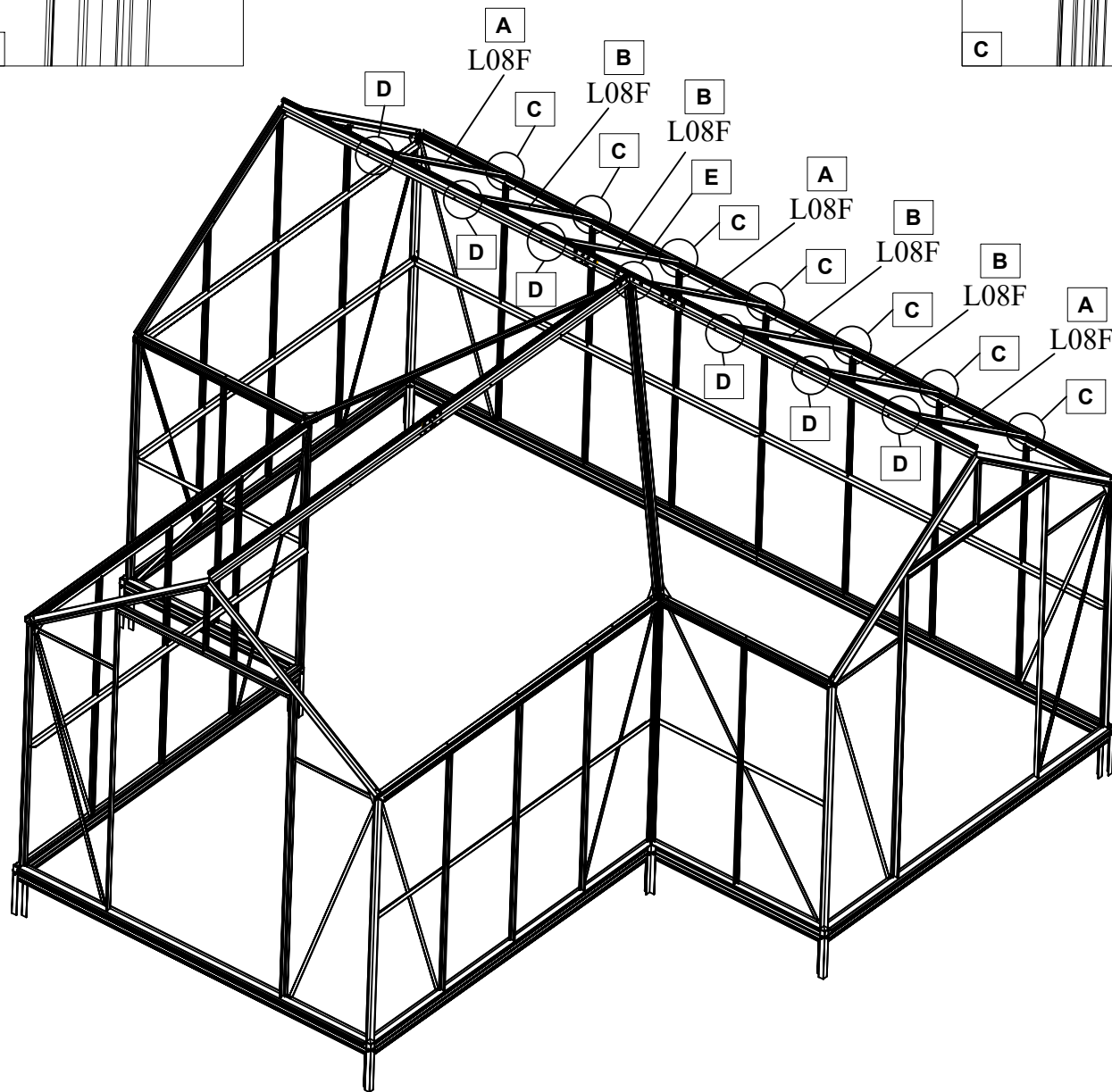
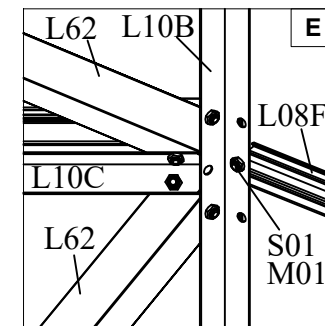
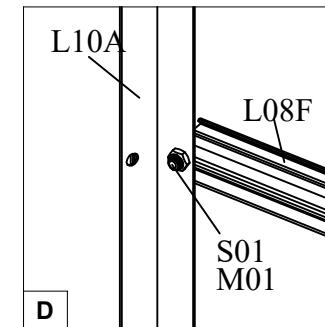
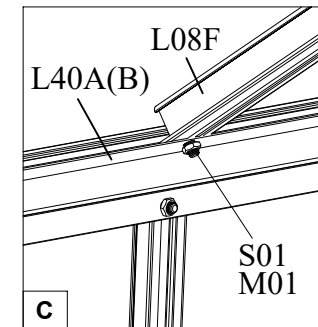
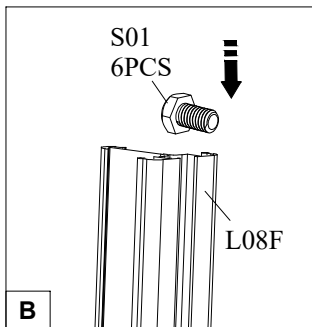
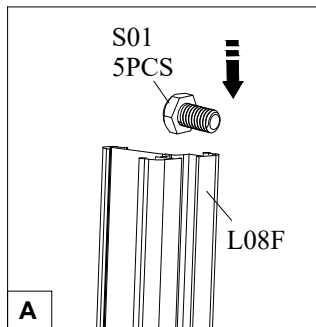
PART	#	mm	Qty.
	L10A	1986	2
	L10B	568	1
	L10C	1595	1
	L10D	1802	1
	W18	146*30	6
	W19	146*34	3
	S01	M6*12	24
	S02	M6*16	12
	M01	M6	36



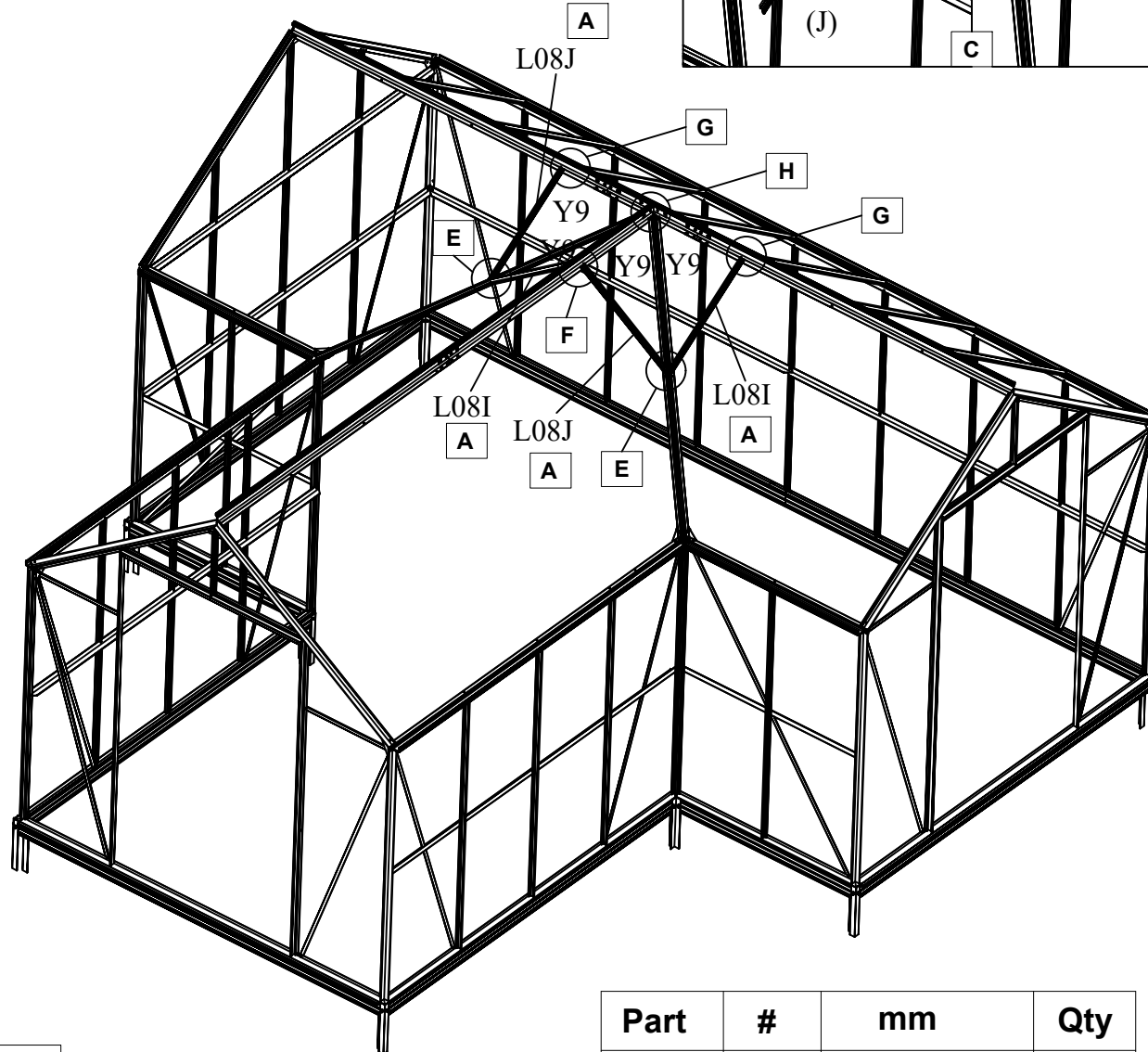
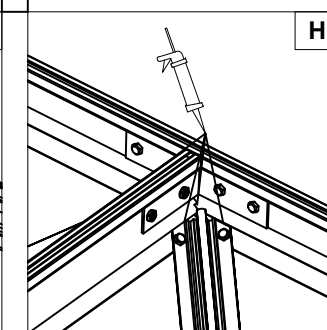
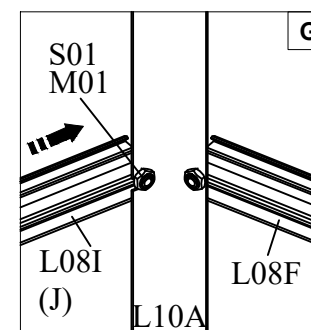
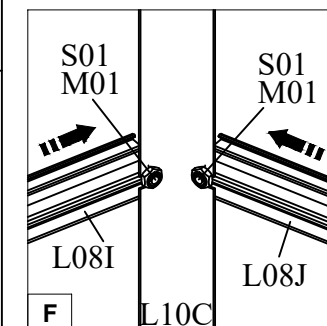
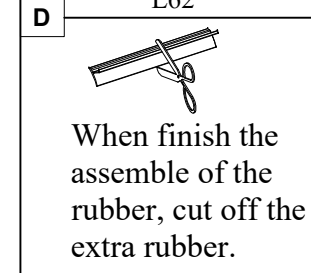
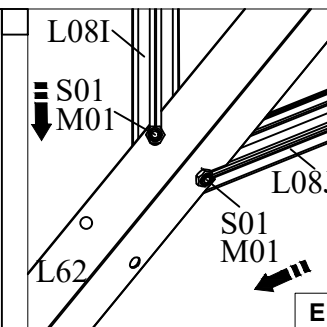
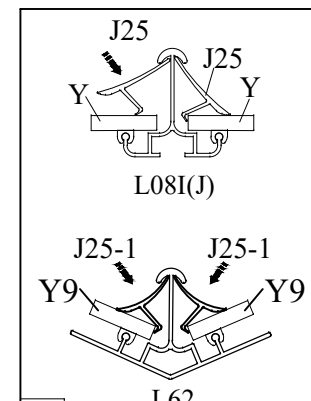
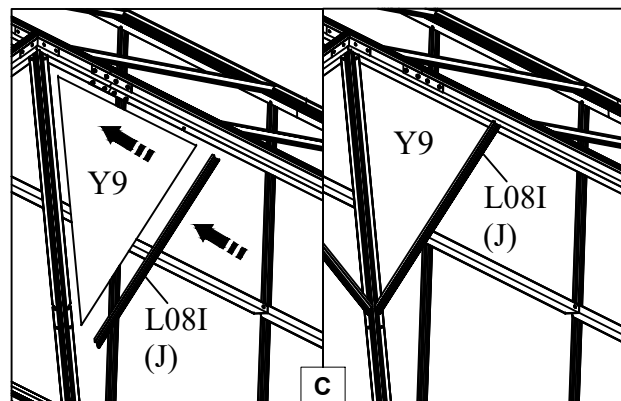
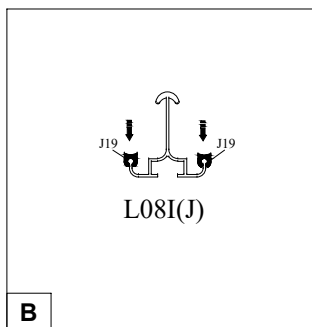
PART	#	mm	Qty.
	W20	81*81*30	2
	S01	M6*12	10
	S02	M6*16	2
	M01	M6	12



PART	#	mm	Qty.
	L62	1805	2
	W23	128*94	2
	S01	M6*12	12
	M01	M6	12

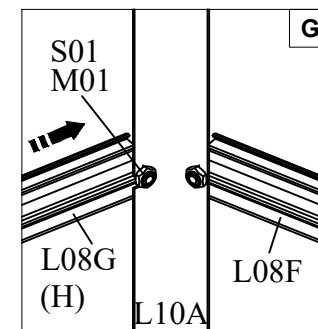
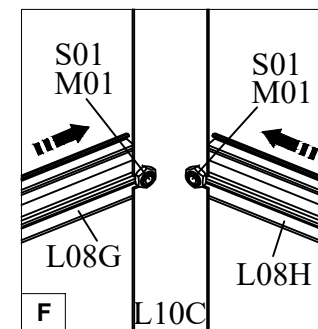
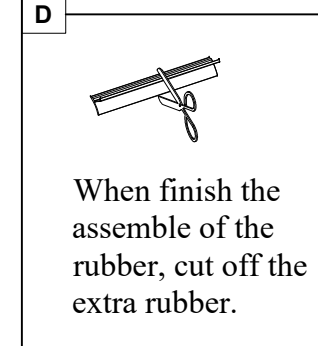
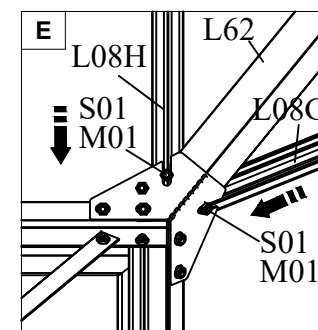
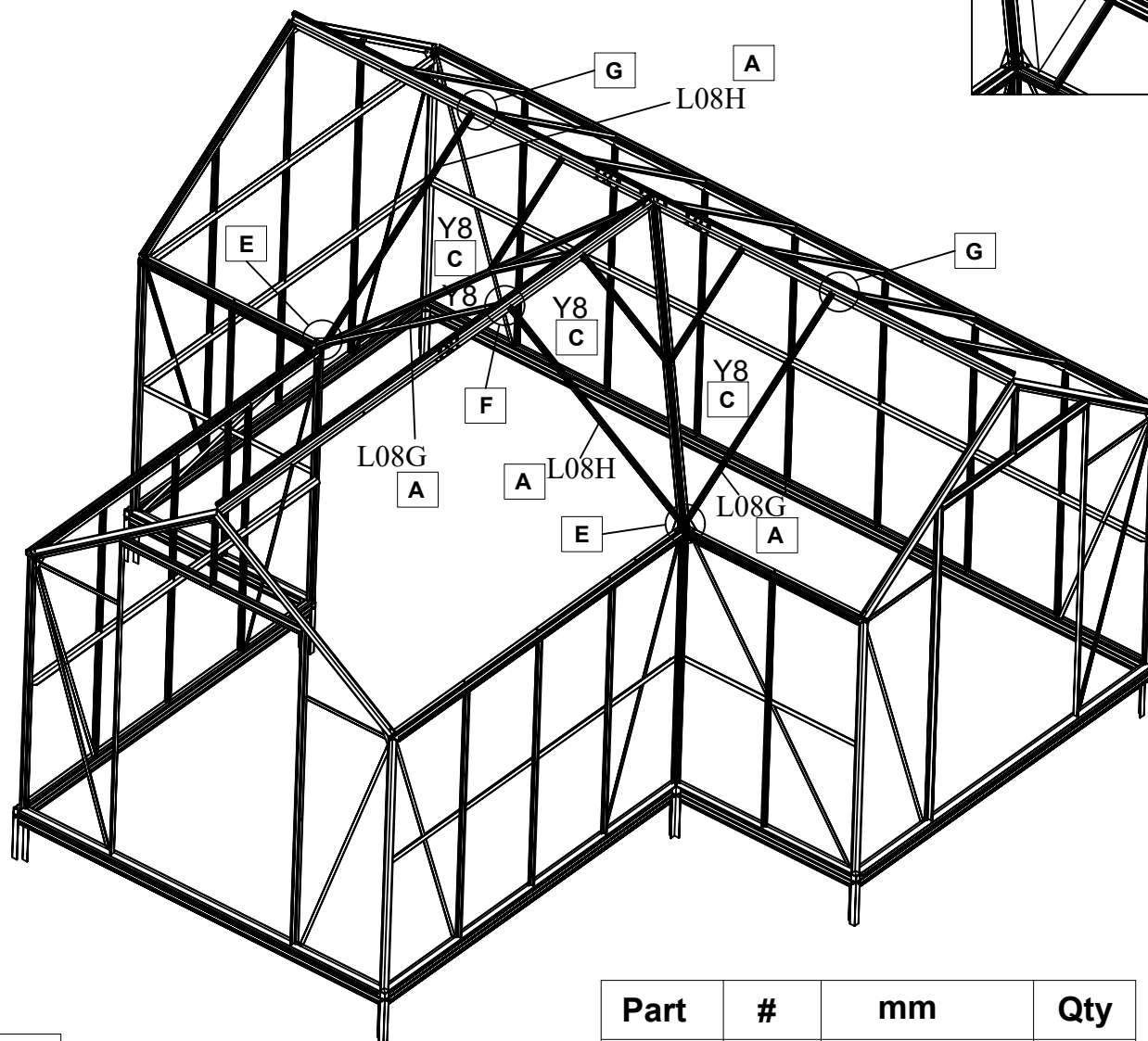
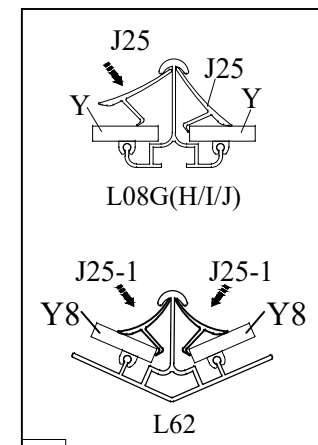
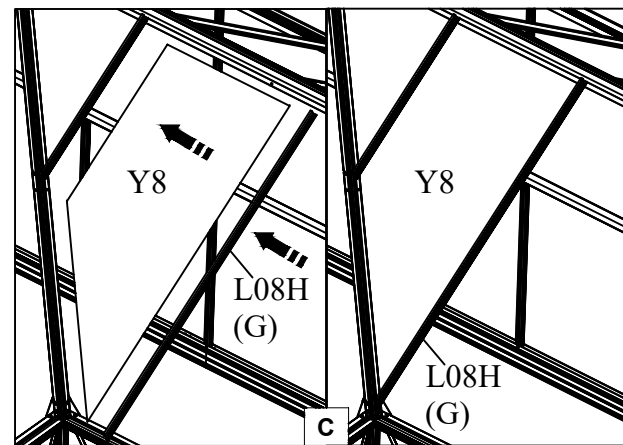
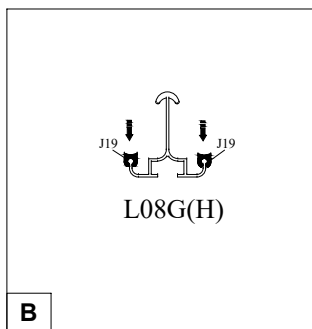
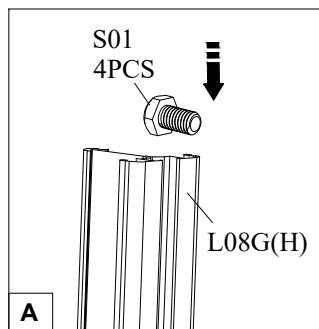


PART	#	mm	Qty.
	L08F	1380	7
	S01	M6*12	39
	M01	M6	14



PART	#	mm	Qty.
	J25	1518	2
	J25-1	1518	2
	J19		

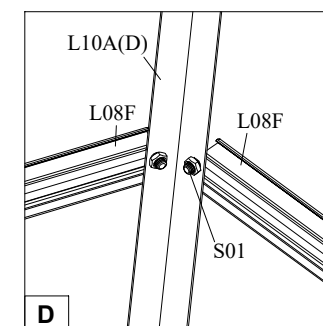
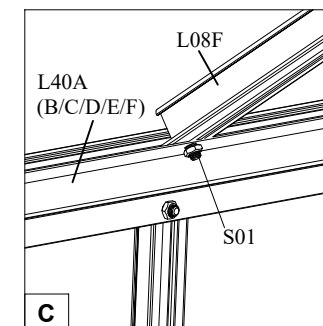
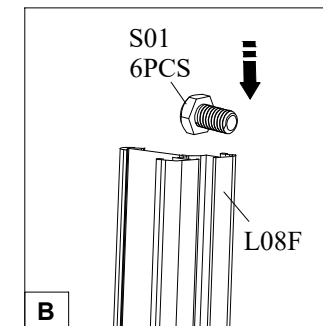
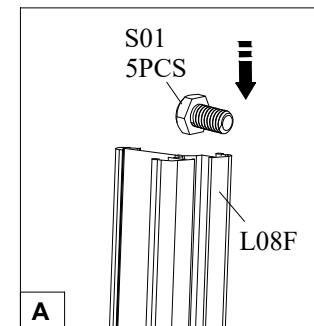
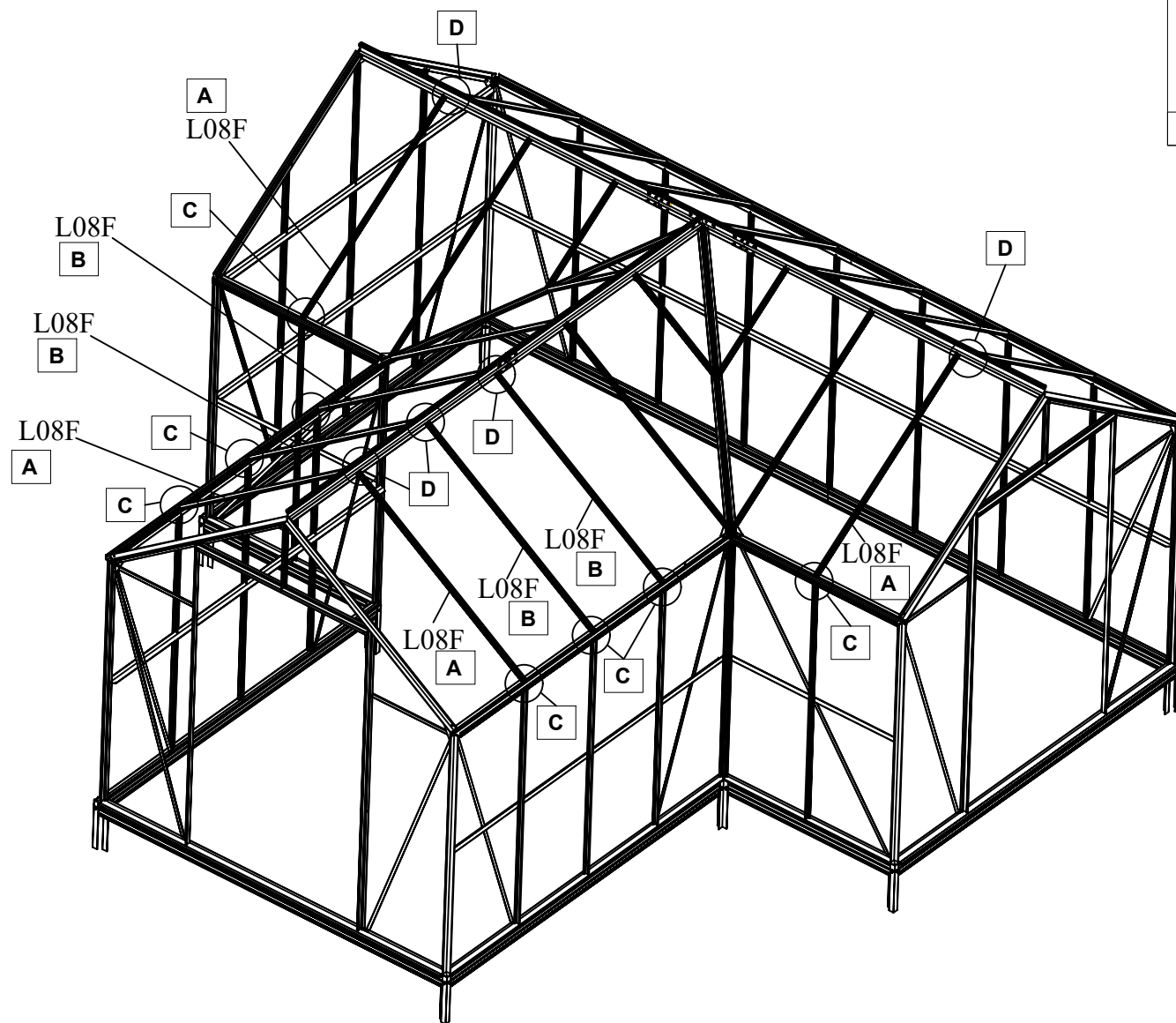
PART	#	mm	Qty.
	L08I	670	2
	L08J	670	2
	S01	M6*12	12
	M01	M6	8



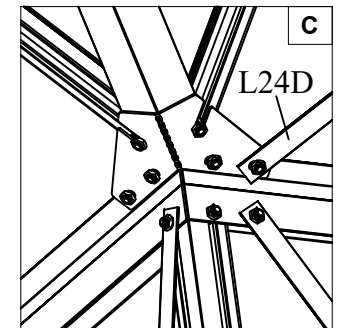
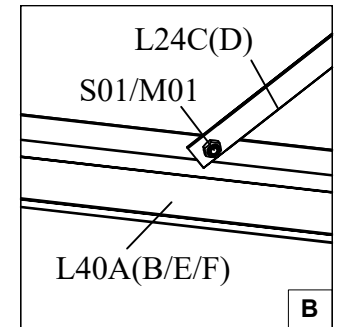
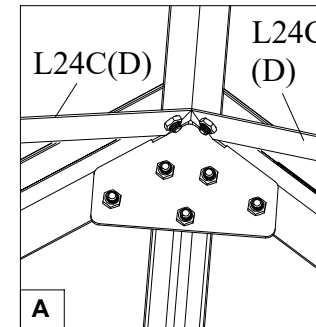
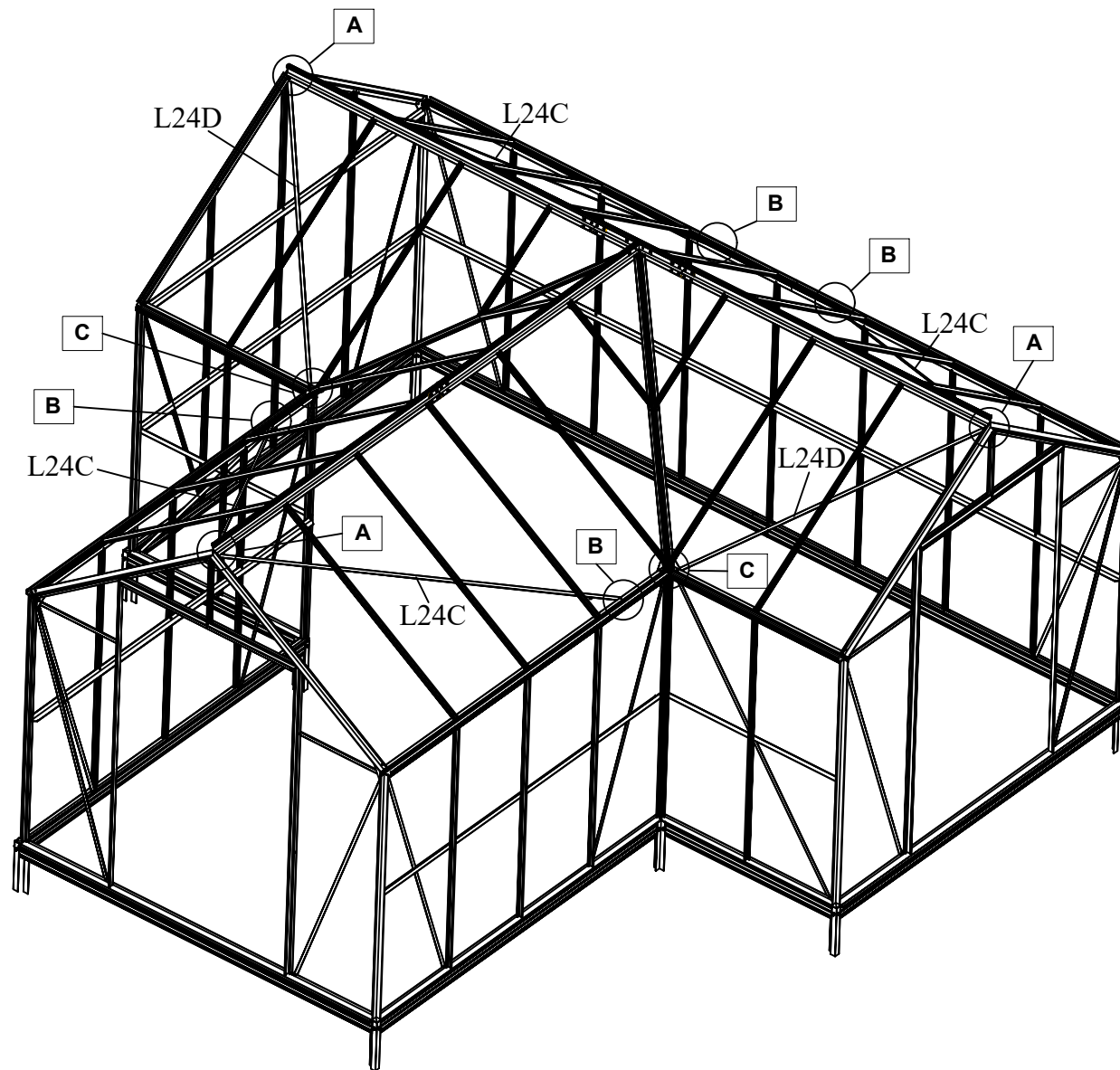
Part	#	mm	Qty
	Y8	559x1371	4

PART	#	mm	Qty.
	J25	1518	6
	J25-1	1518	2
	J19		

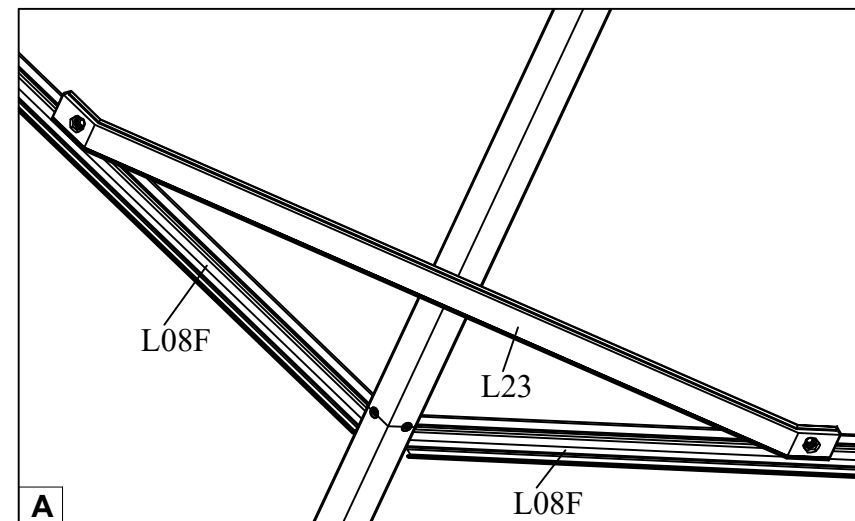
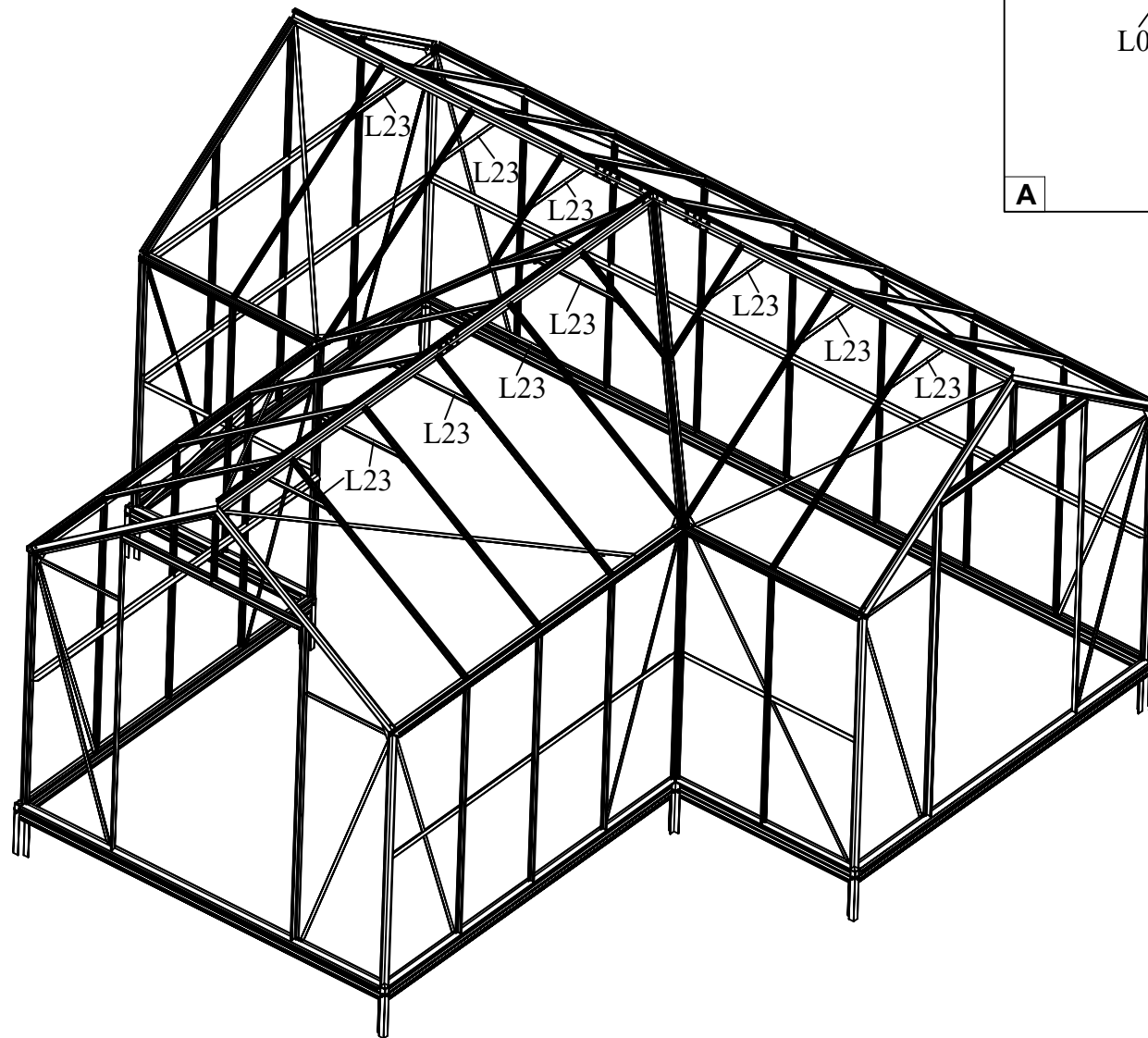
PART	#	mm	Qty.
	L08G	1363	2
	L08H	1363	2
	S01	M6*12	16
	M01	M6	8



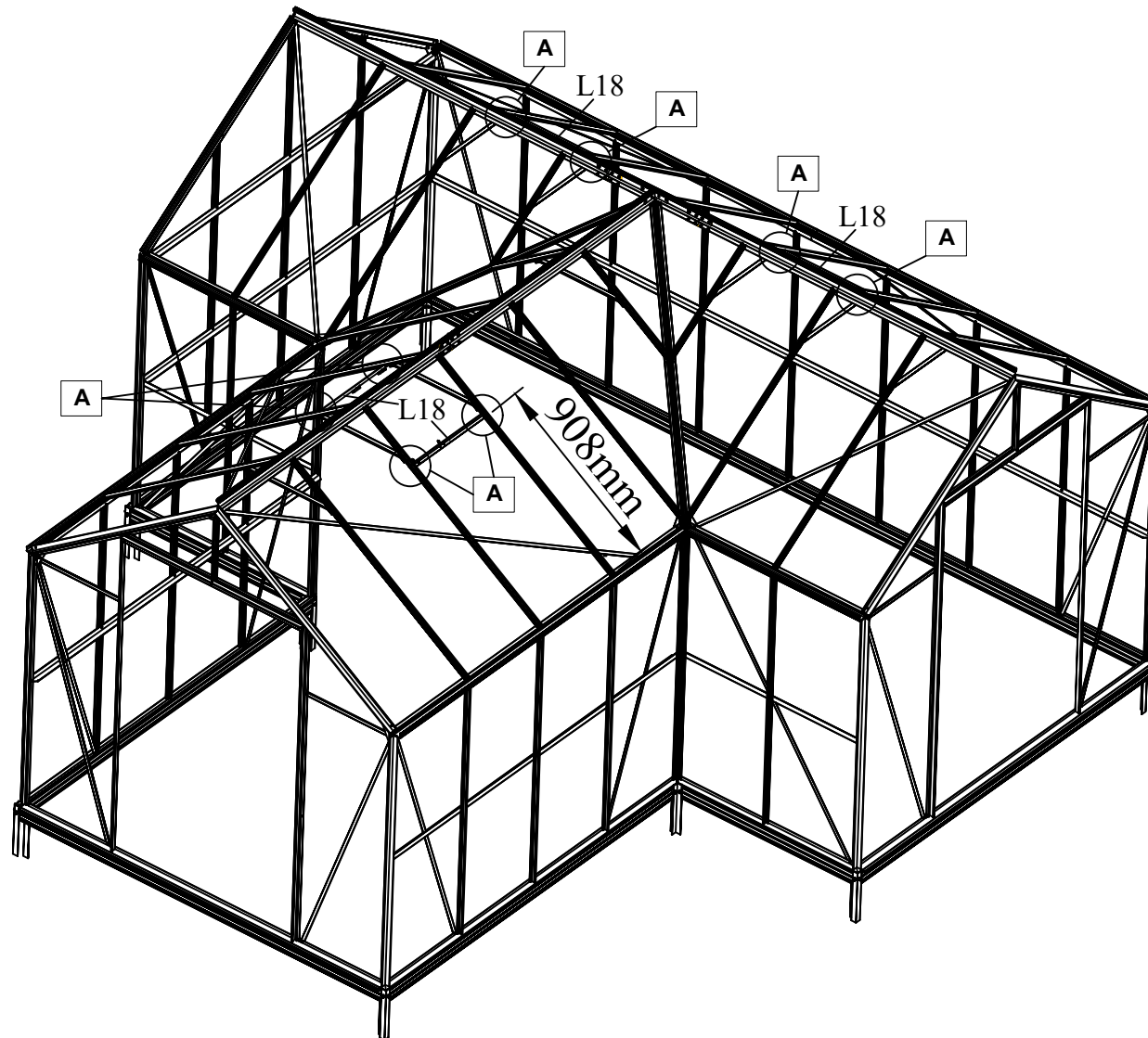
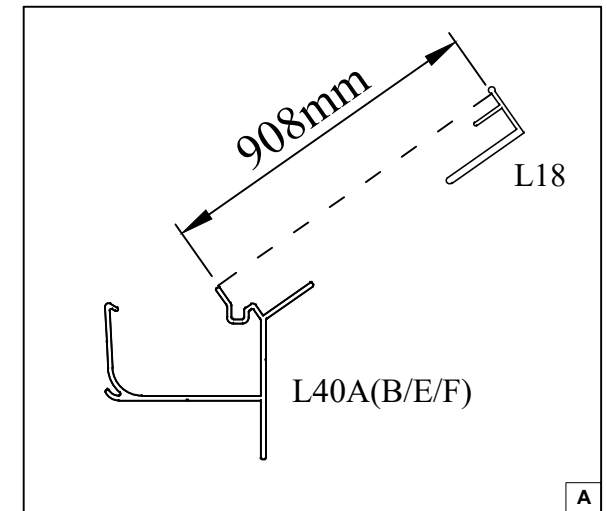
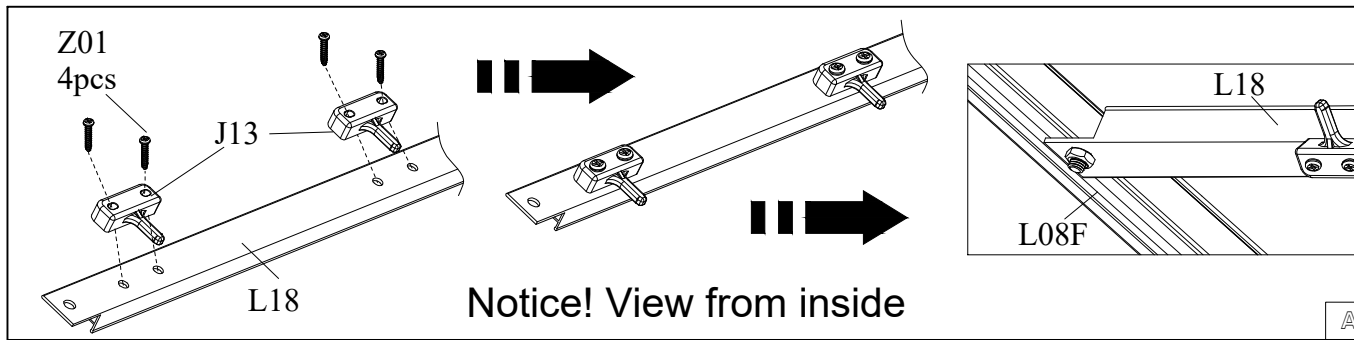
PART	#	mm	Qty.
	L08F	1380	8
	S01	M6*12	44
	M01	M6	16



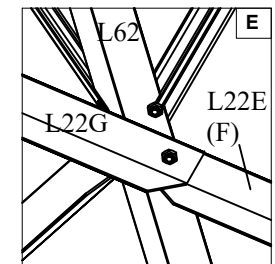
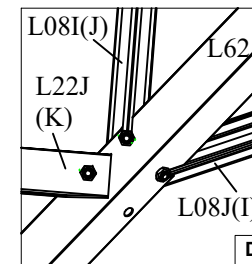
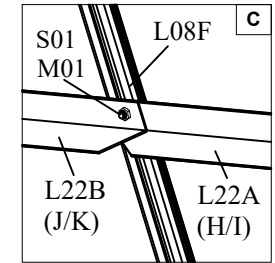
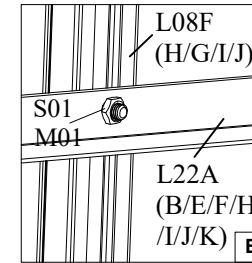
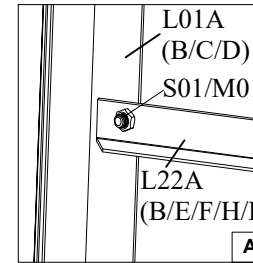
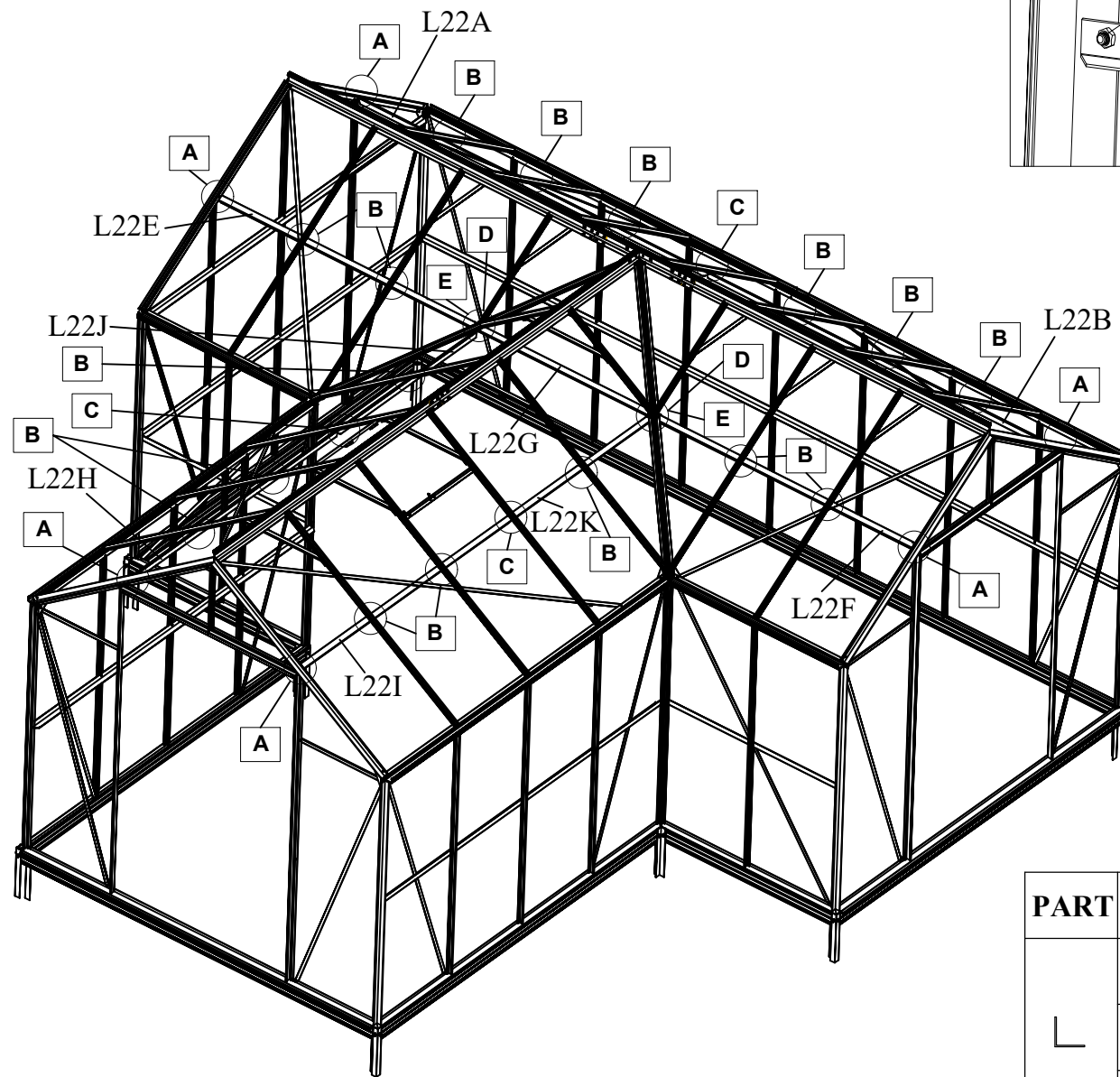
PART	#	mm	Qty.
	L24C	2344	4
	L24D	1746	2
	S01	M6*12	4
	M01	M6	4



PART	#	mm	Qty.
	L23	645	11
	M01	M6	22

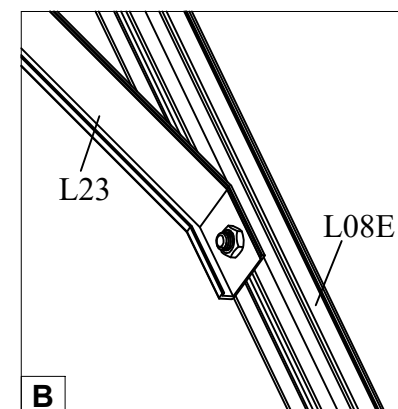
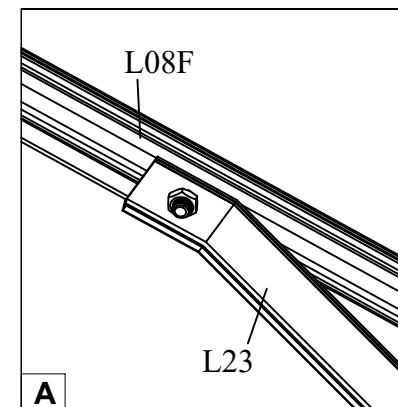
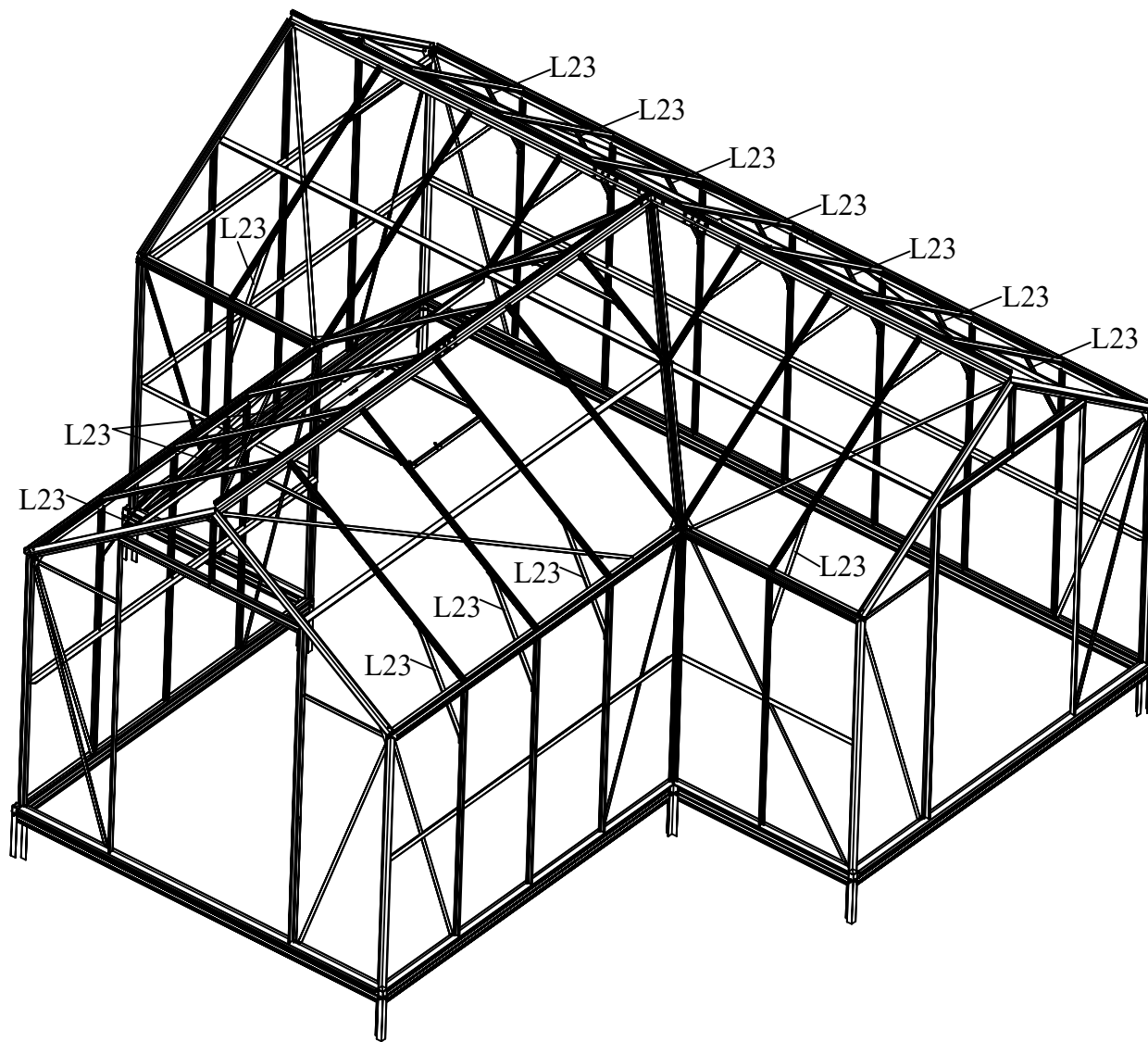


PART	#	mm	Qty.
	L18	587	4
	J13		8
	Z01	Ø4*16	16
	M01	M6	8

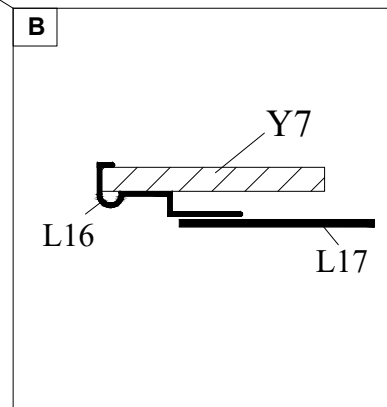
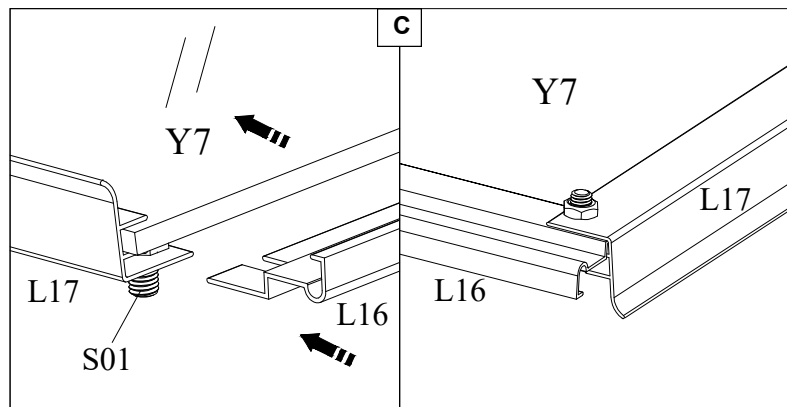
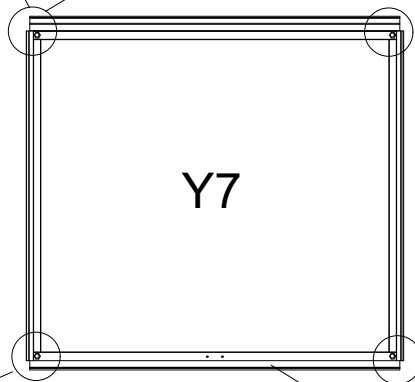
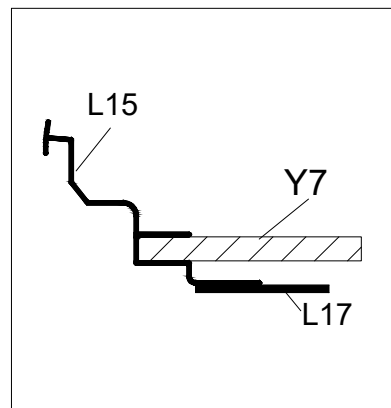
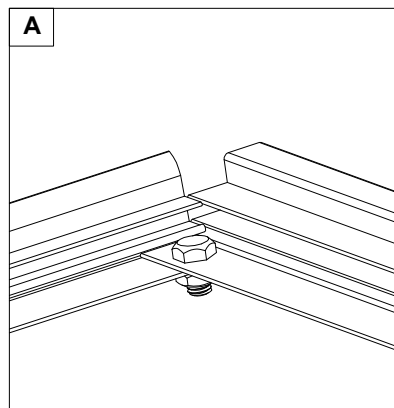


PART	#	mm	Qty.
└	L22I	1715	1
	L22J	1143	1
	L22K	1143	1
	S01	M6*12	10
	M01	M6	29

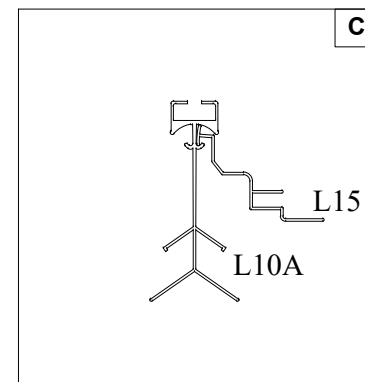
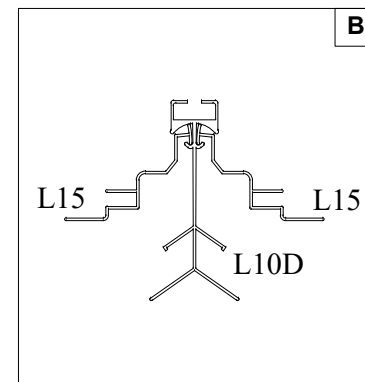
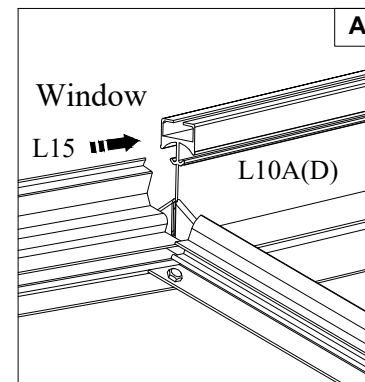
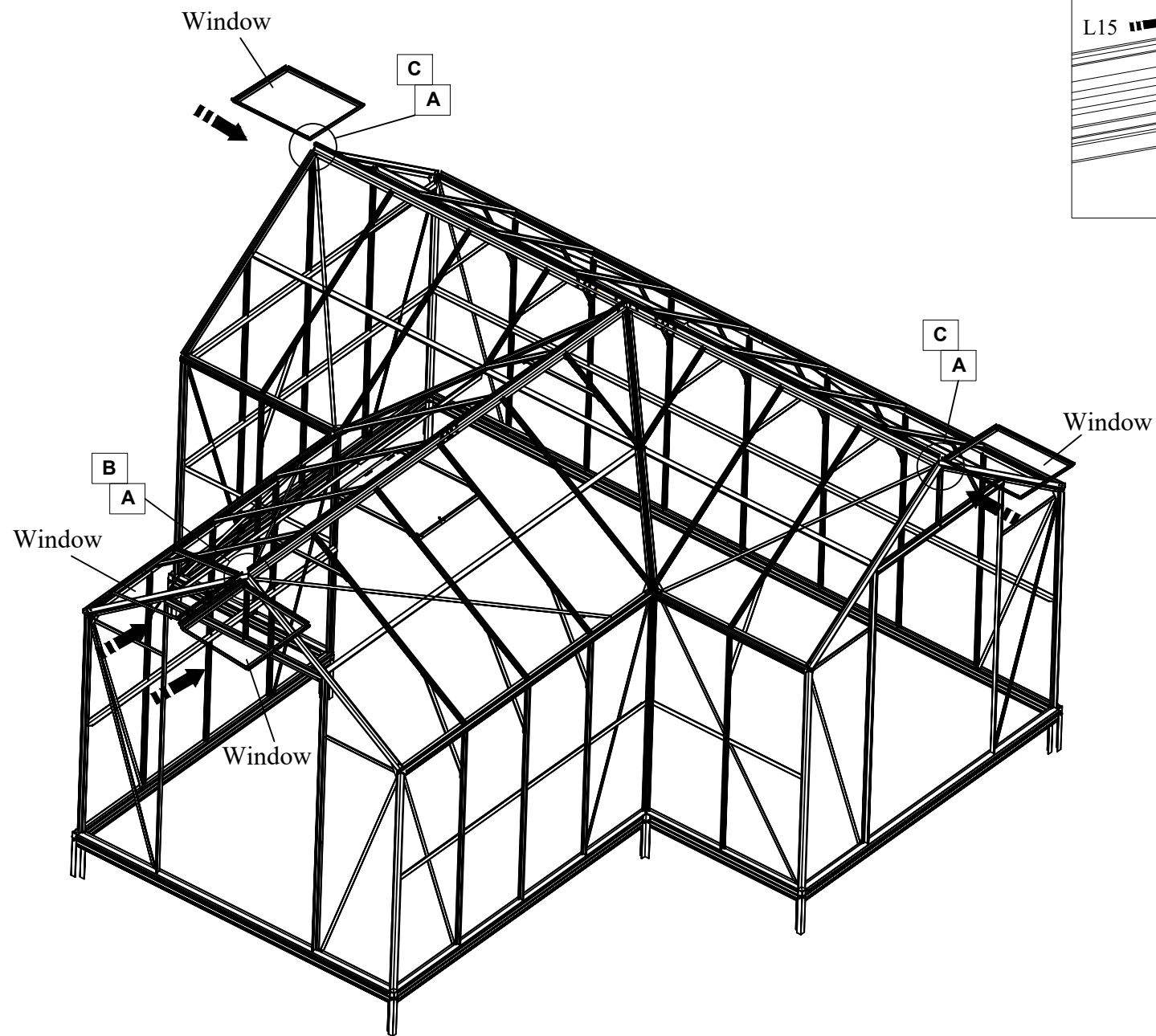
PART	#	mm	Qty.
└	L22A	2283	1
	L22B	2283	1
	L22E	1693	1
	L22F	1693	1
	L22G	1210	1
	L22H	1715	1

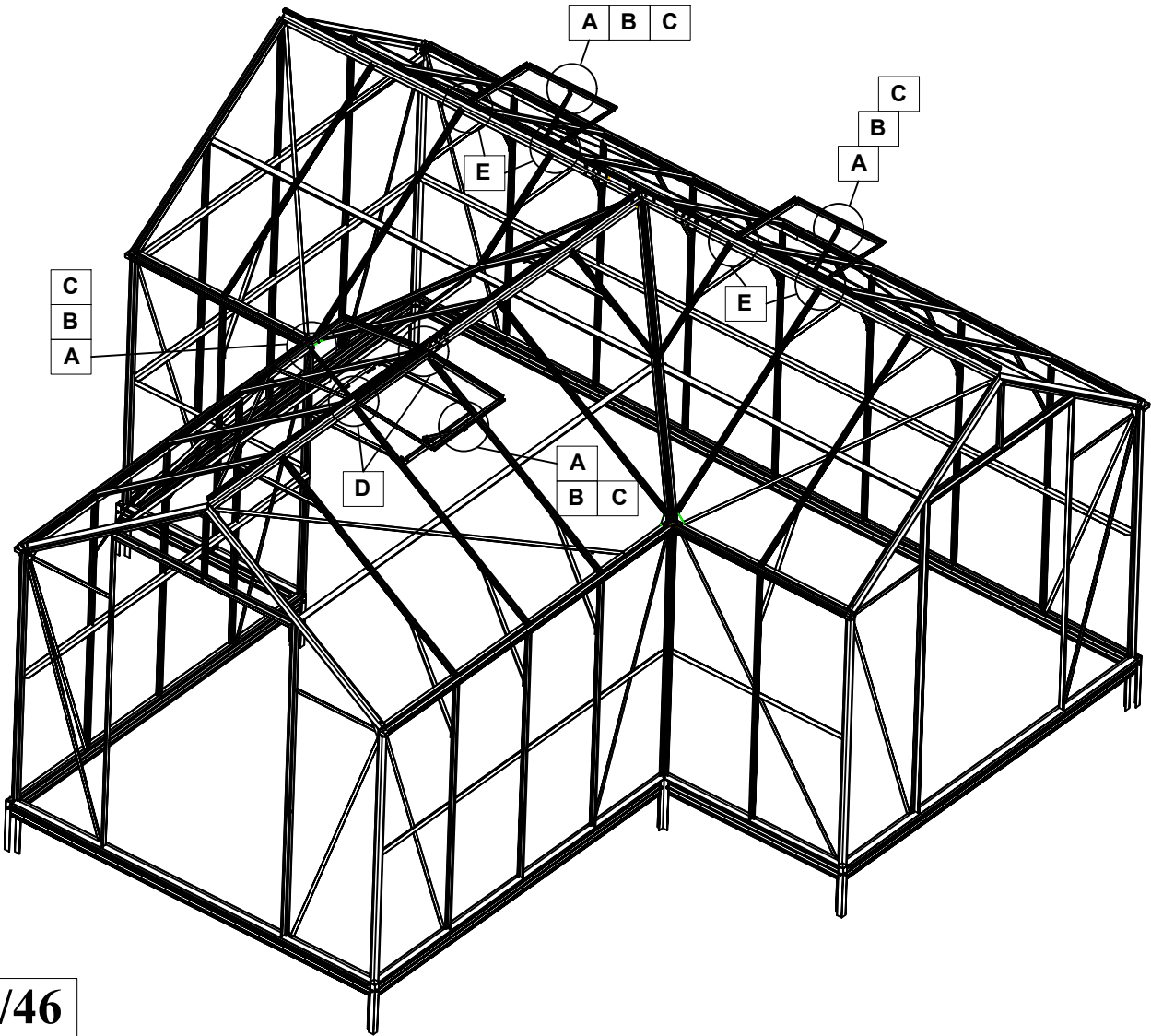
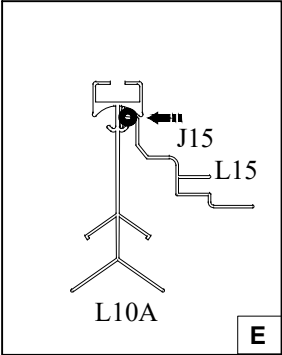
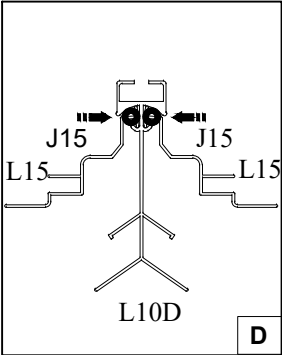
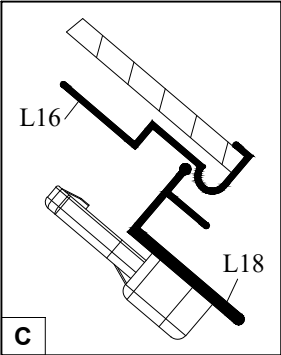
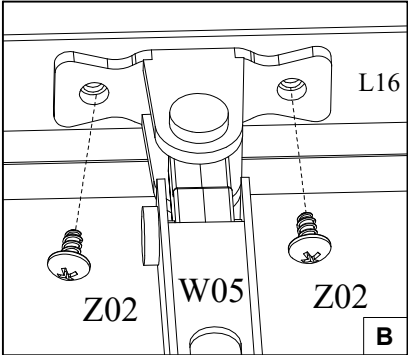
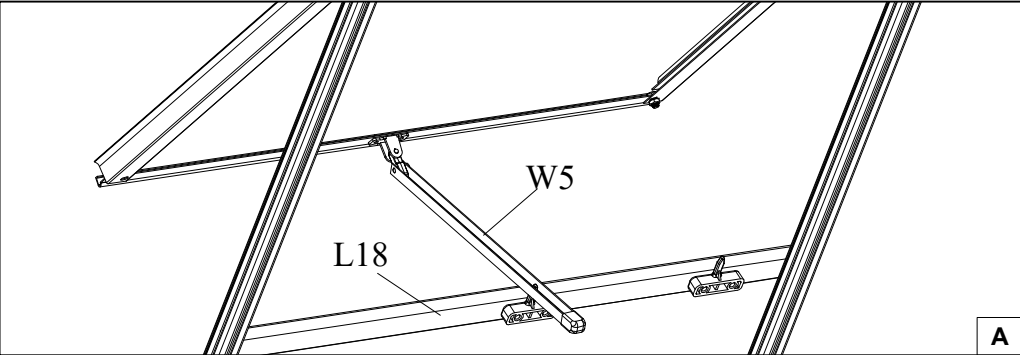


PART	#	mm	Qty.
	L23	645	15
	M01	M6	30



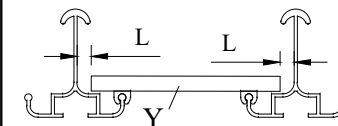
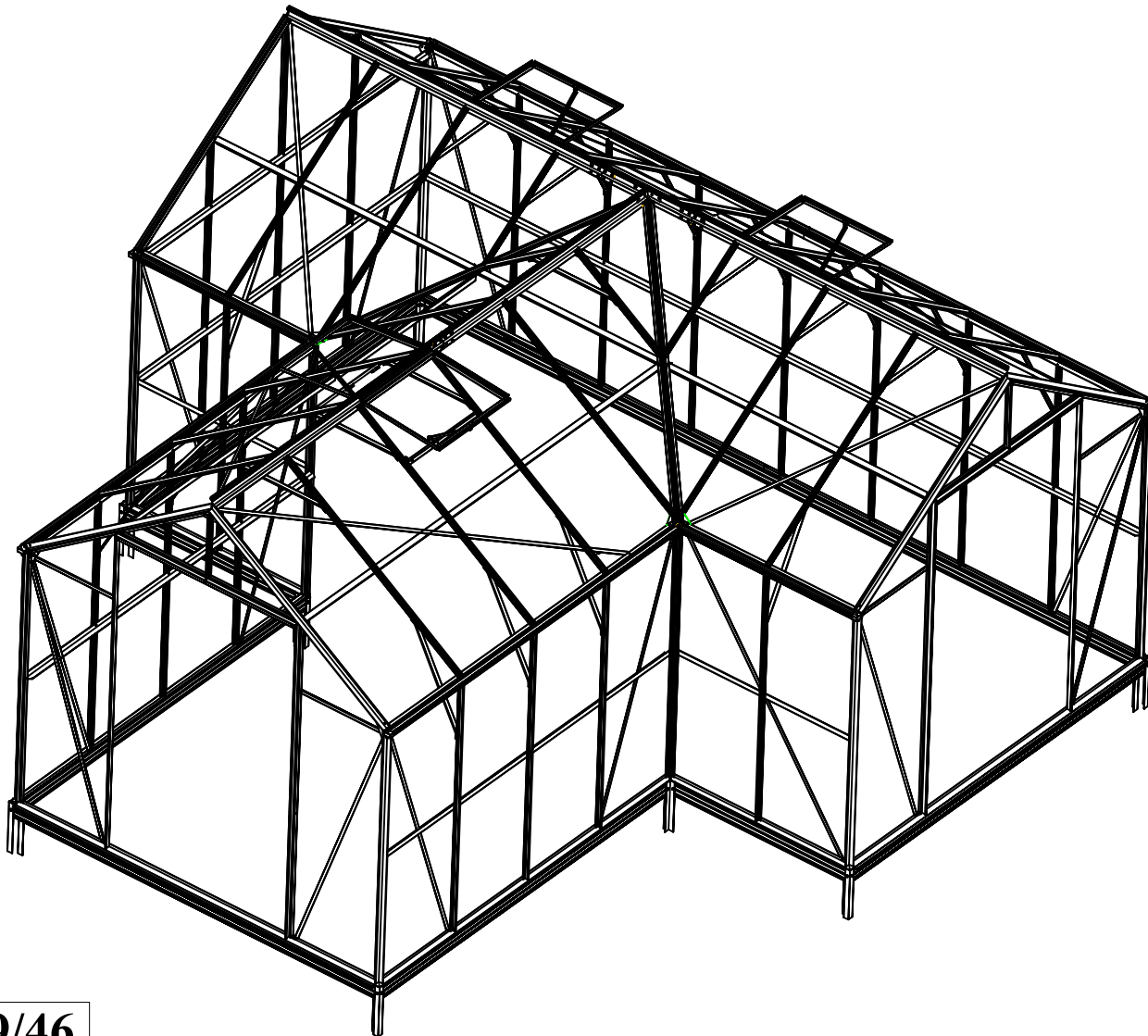
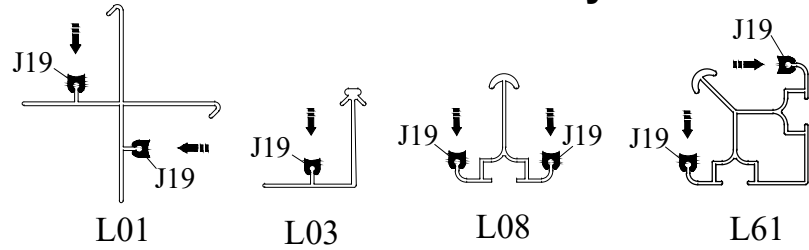
PART	#	mm	Qty.
	L15	552	4
	L16	552	4
	L17	470	8
	S01	M6*12	16
	M01	M6	16
	Y11	554*497	4



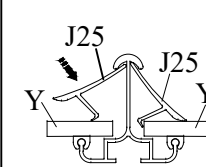


PART	#	mm	Qty.
	W05		4
	Z02	Ø4*6	8
	J15	Ø6.5*20	8

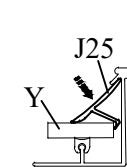
Rubber Assembly



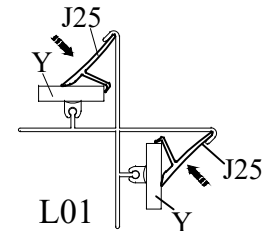
When installing the glass, pay attention to the same distance between the two ends of the glass and the aluminum profile



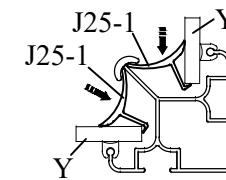
L08



L03

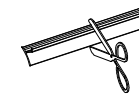


L01

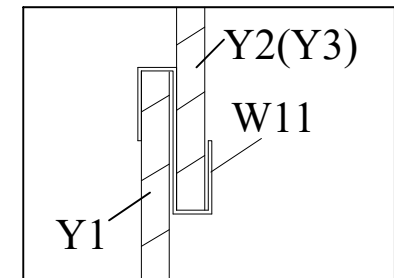


L61

Note: Glass Assembly on L61 using J25-1.

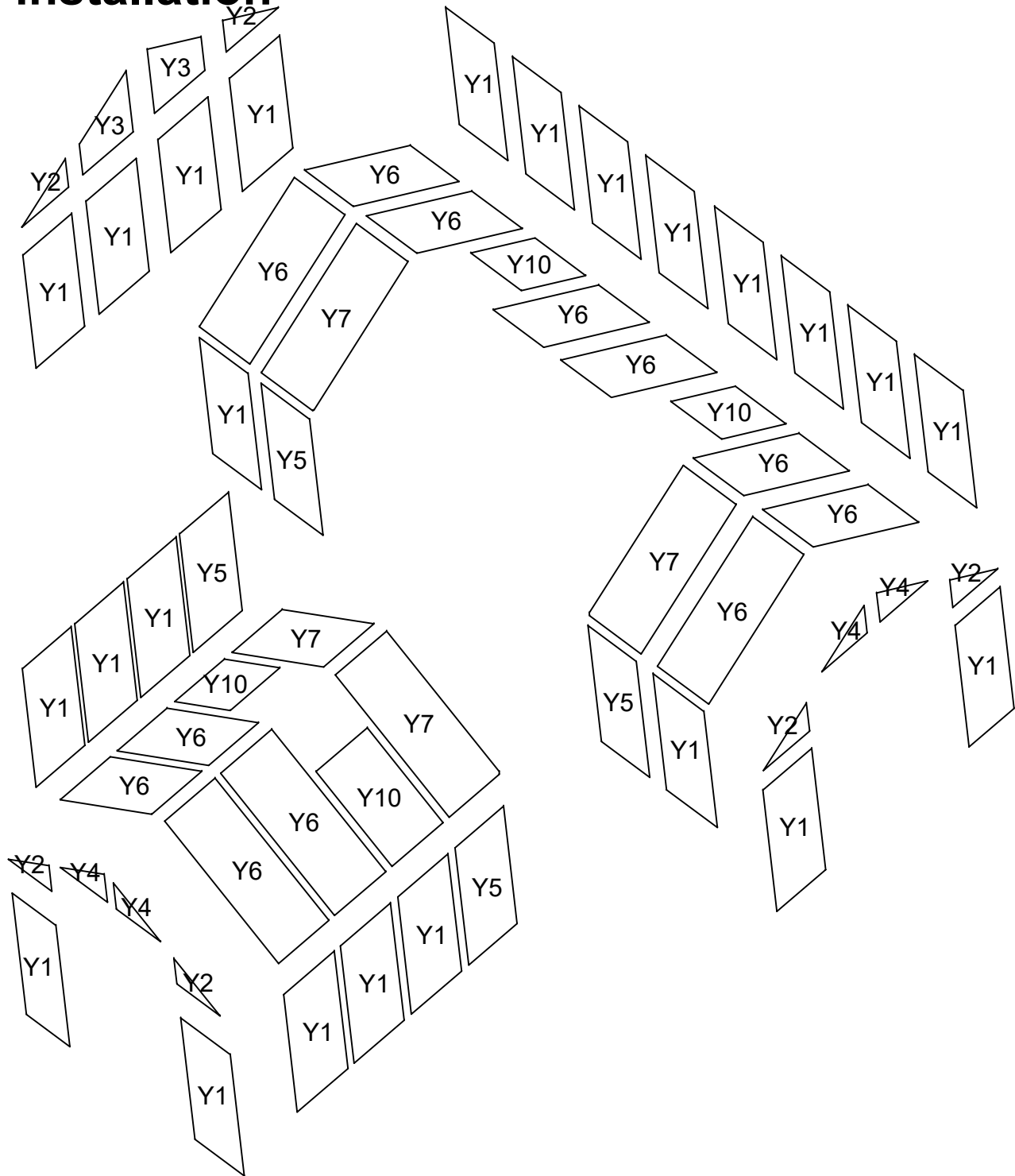


When finish the assemble of the rubber, cut off the extra rubber.



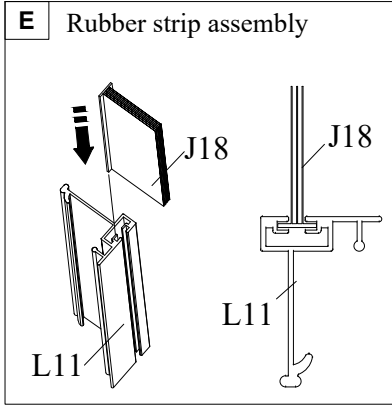
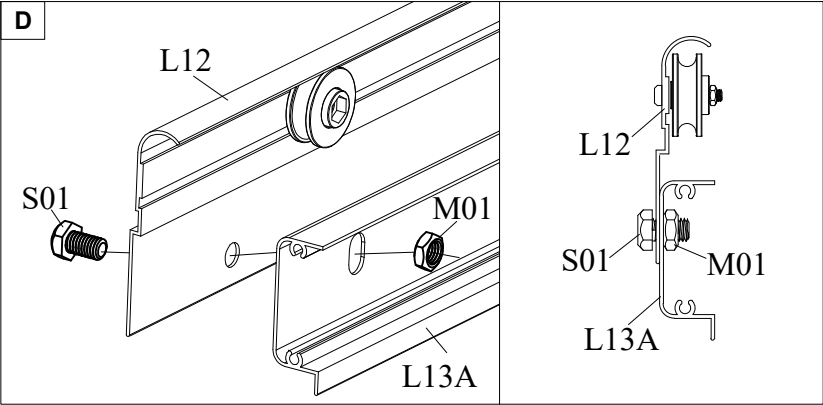
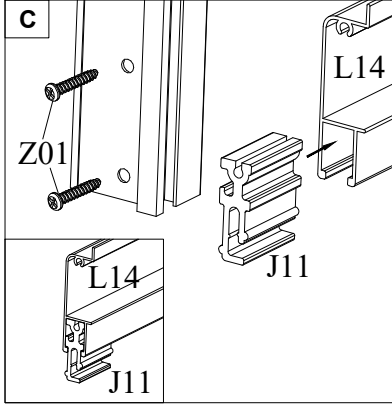
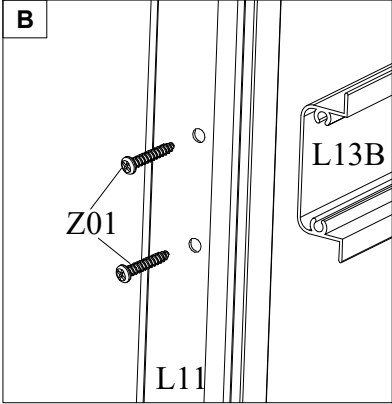
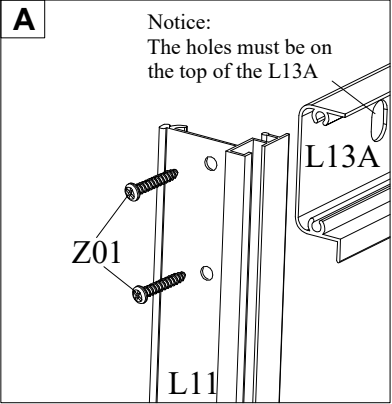
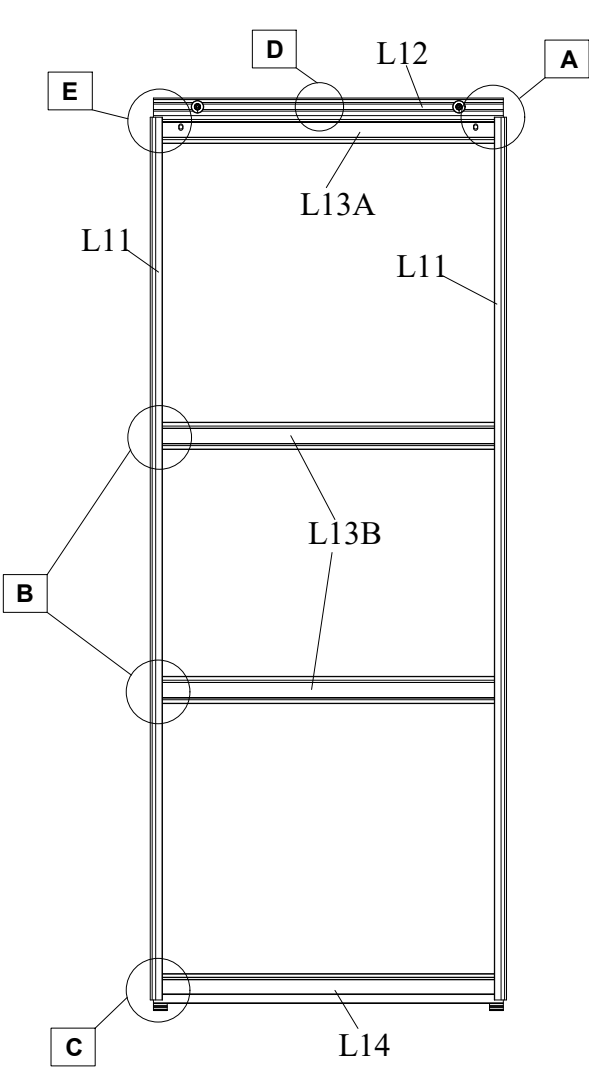
PART	#	mm	Qty.
	W11		16
	J19	200M	
	J25	1518	100
	J25-1	1518	5

Roof glass installation



Part	#	mm	Qty
	Y1	559x1518	24
	Y2	559x433	6
	Y3	559x830	2
	Y4	567x410	4
	Y5	541x1518	4
	Y6	559x1392	12
	Y7	559x1392	4
	Y10	559x906	4

Right Door Assembly

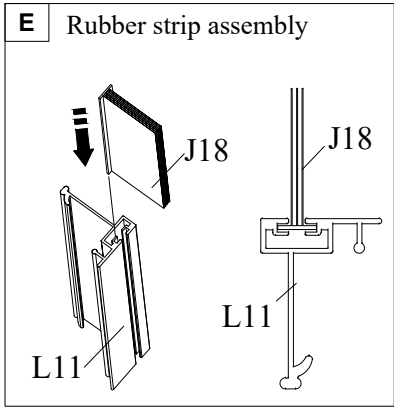
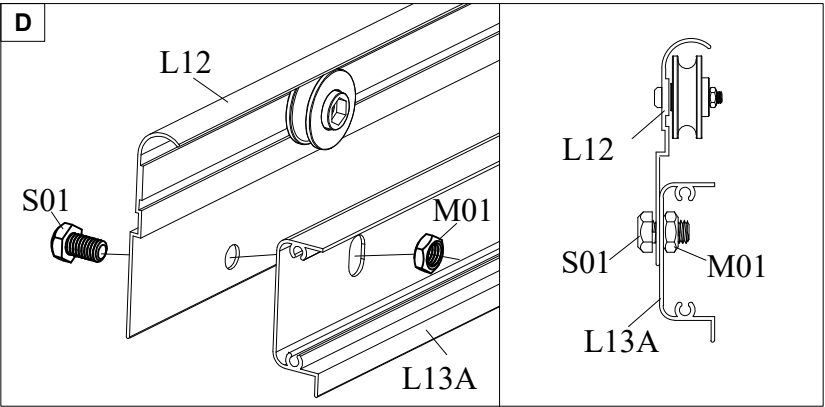
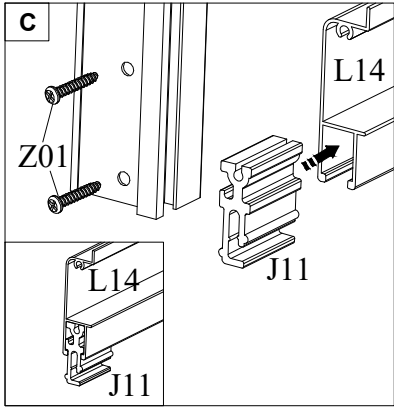
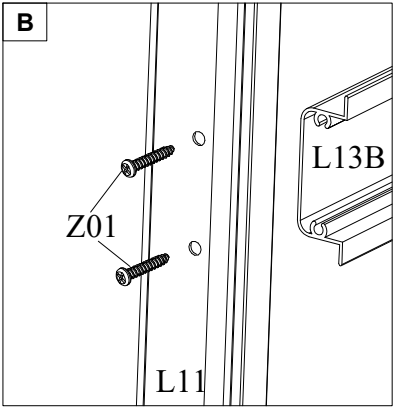
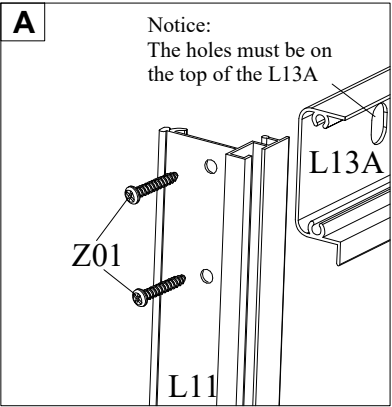
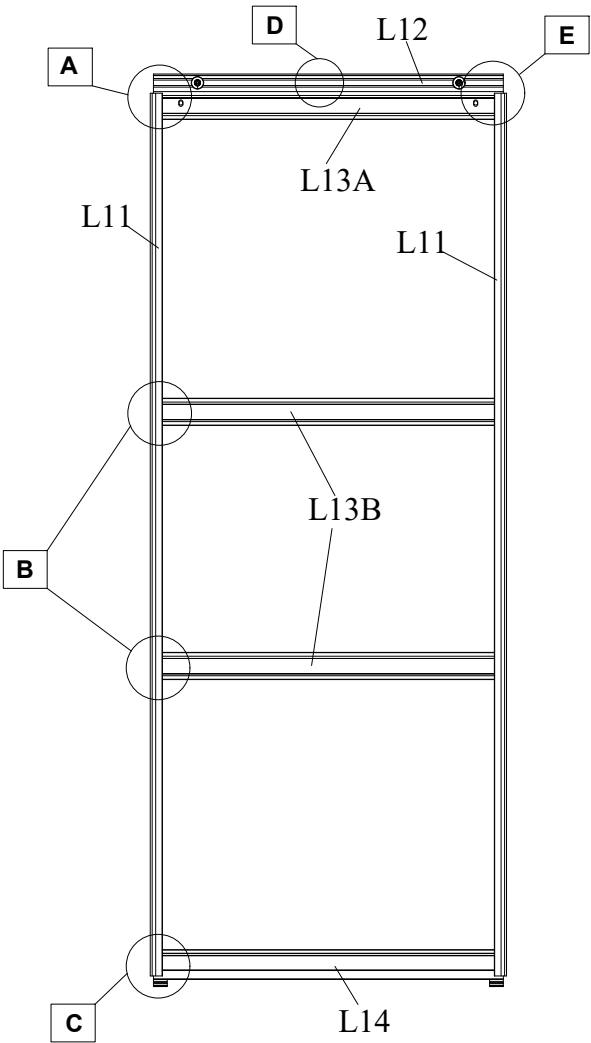


PART	#	mm	Qty.
	L14	572	2
	J11		4
	J18	1880	2
	S01	M6*12	4

PART	#	mm	Qty.
	L11	1875	4
	L12	572	2
	L13A	572	2
	L13B	572	4

PART	#	mm	Qty.
	M01	M6	4
	Z01	Ø4*16	32

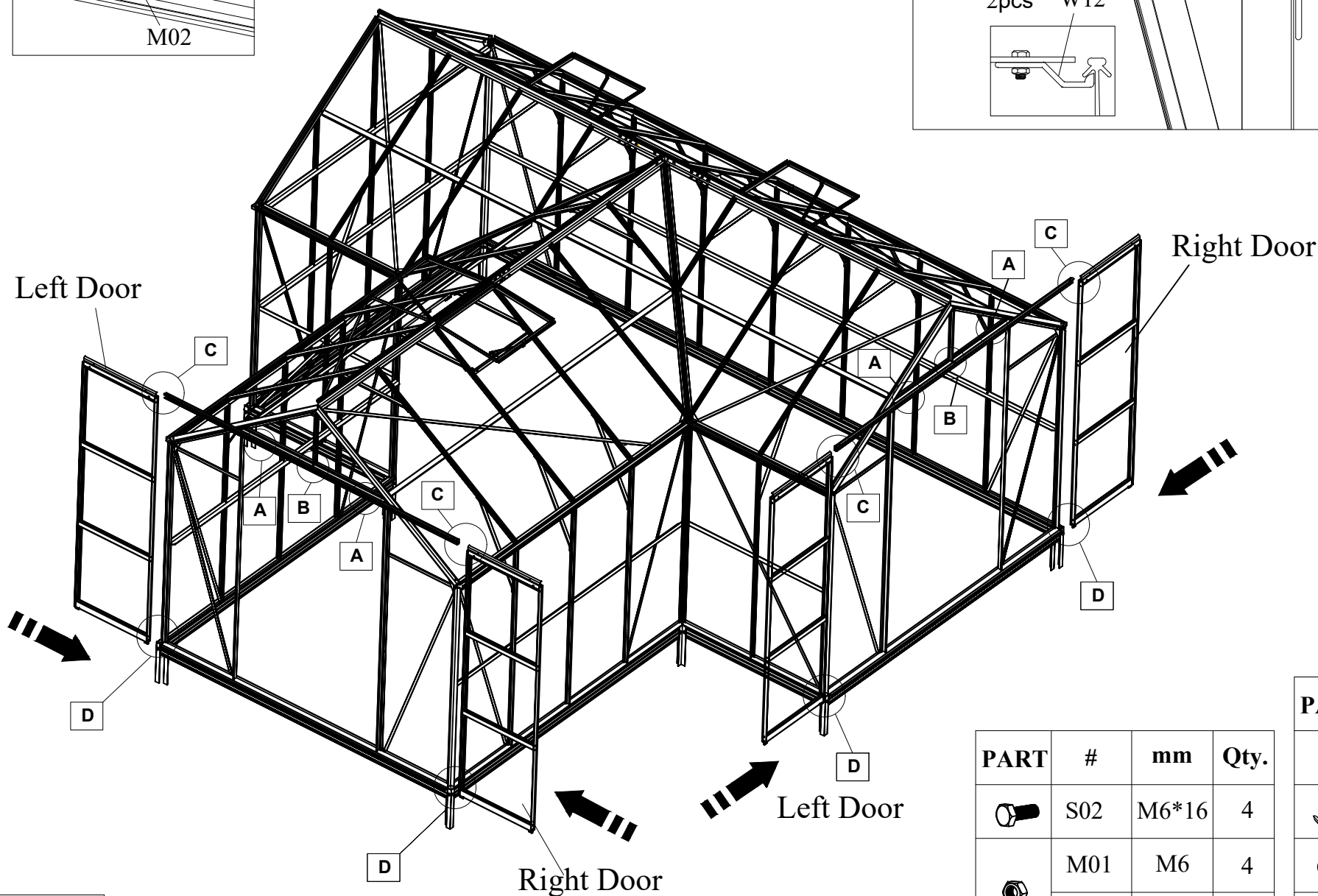
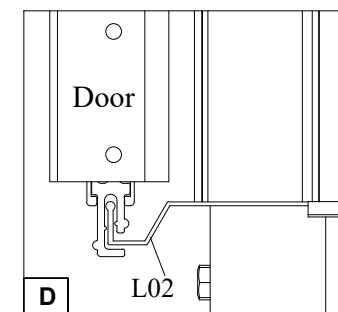
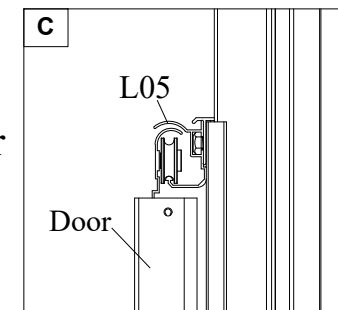
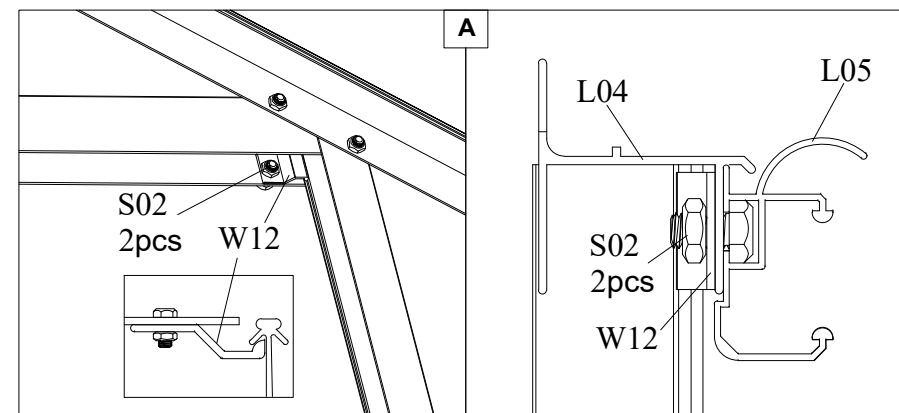
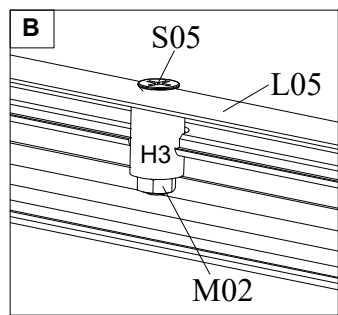
Left Door Assembly



PART	#	mm	Qty.
	L14	572	2
	J11		4
	J18	1880	2
	S01	M6*12	4

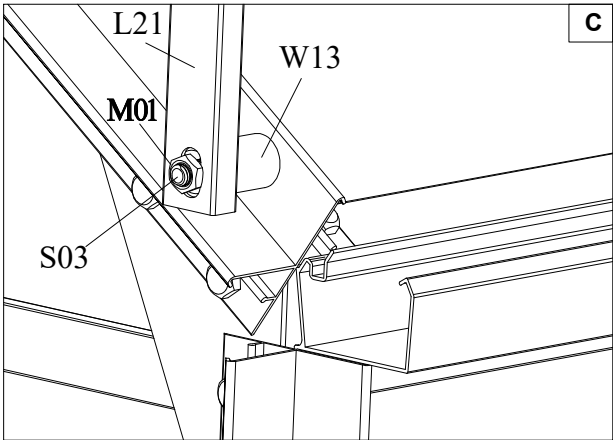
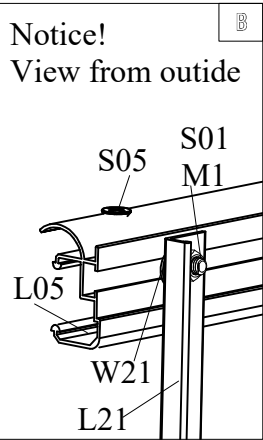
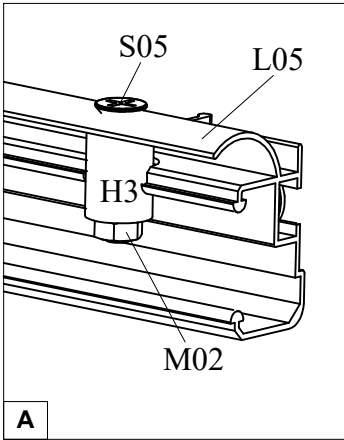
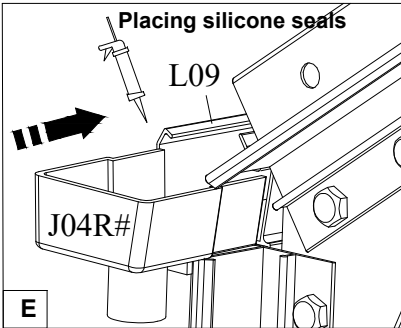
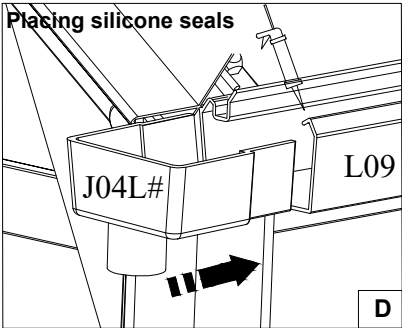
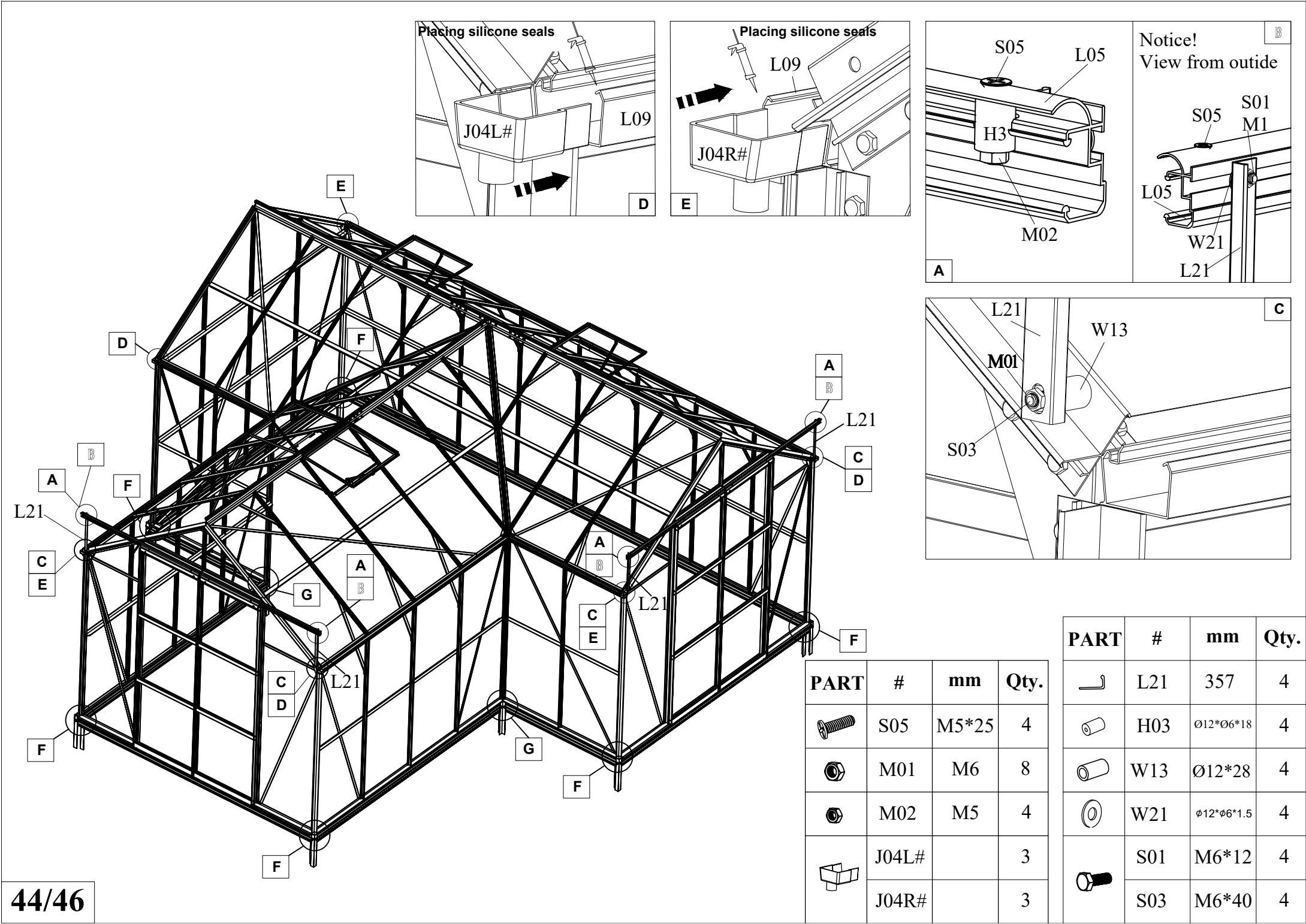
PART	#	mm	Qty.
	L11	1875	4
	L12	572	2
	L13A	572	2
	L13B	572	4

PART	#	mm	Qty.
	M01	M6	4
	Z01	Ø4*16	32



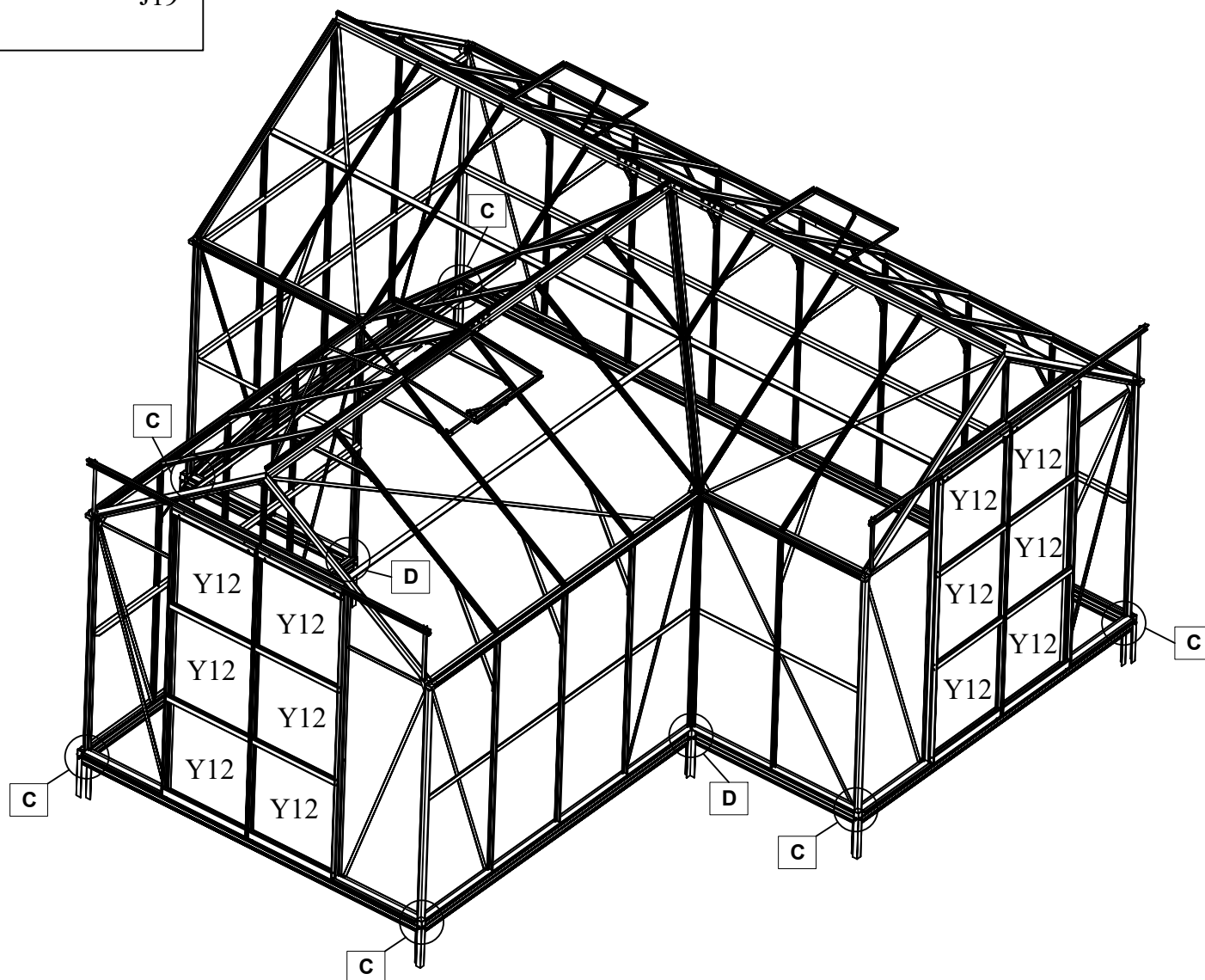
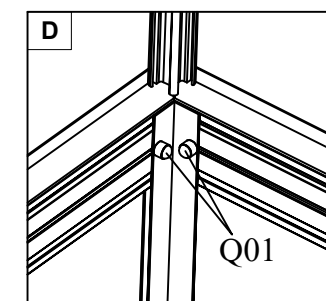
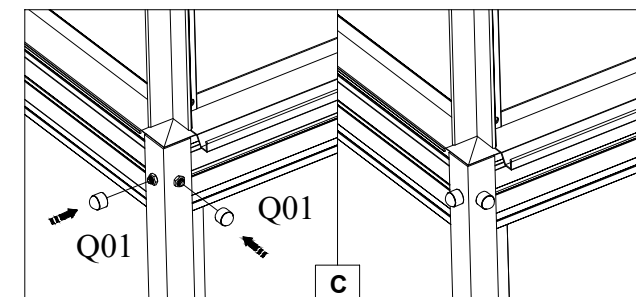
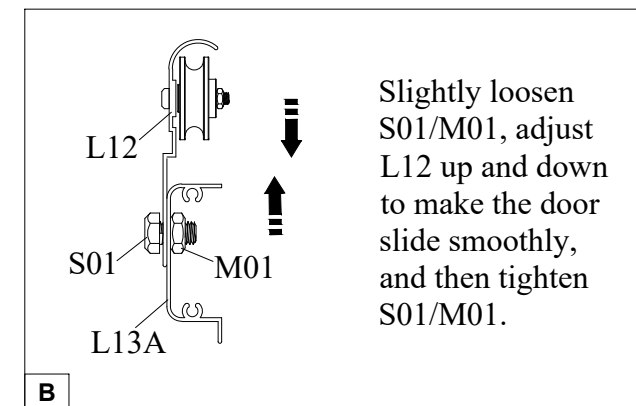
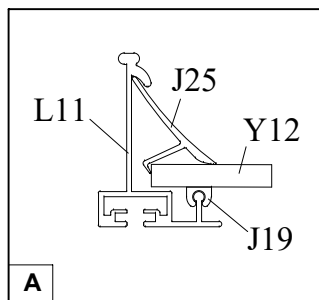
PART	#	mm	Qty.
	S02	M6*16	4
	M01	M6	4
	M02	M5	4

PART	#	mm	Qty.
	L05	2324	2
	W12		4
	H03	Ø12*Ø6*18	2
	S05	M5*25	2



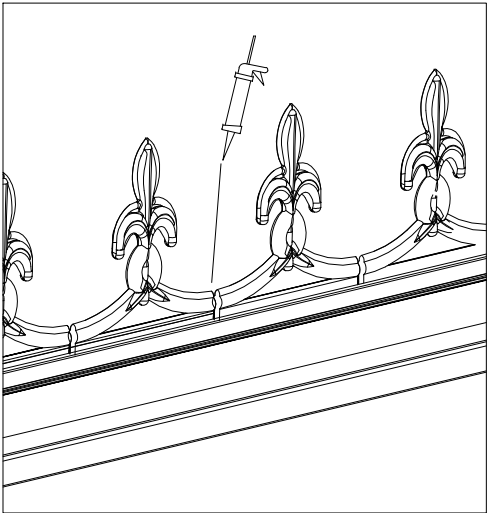
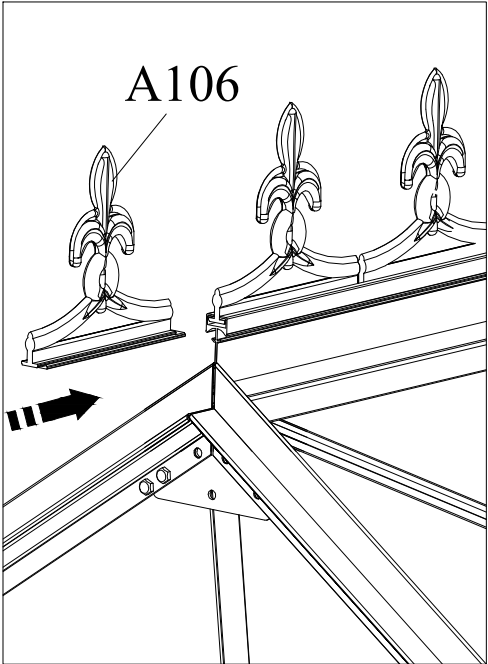
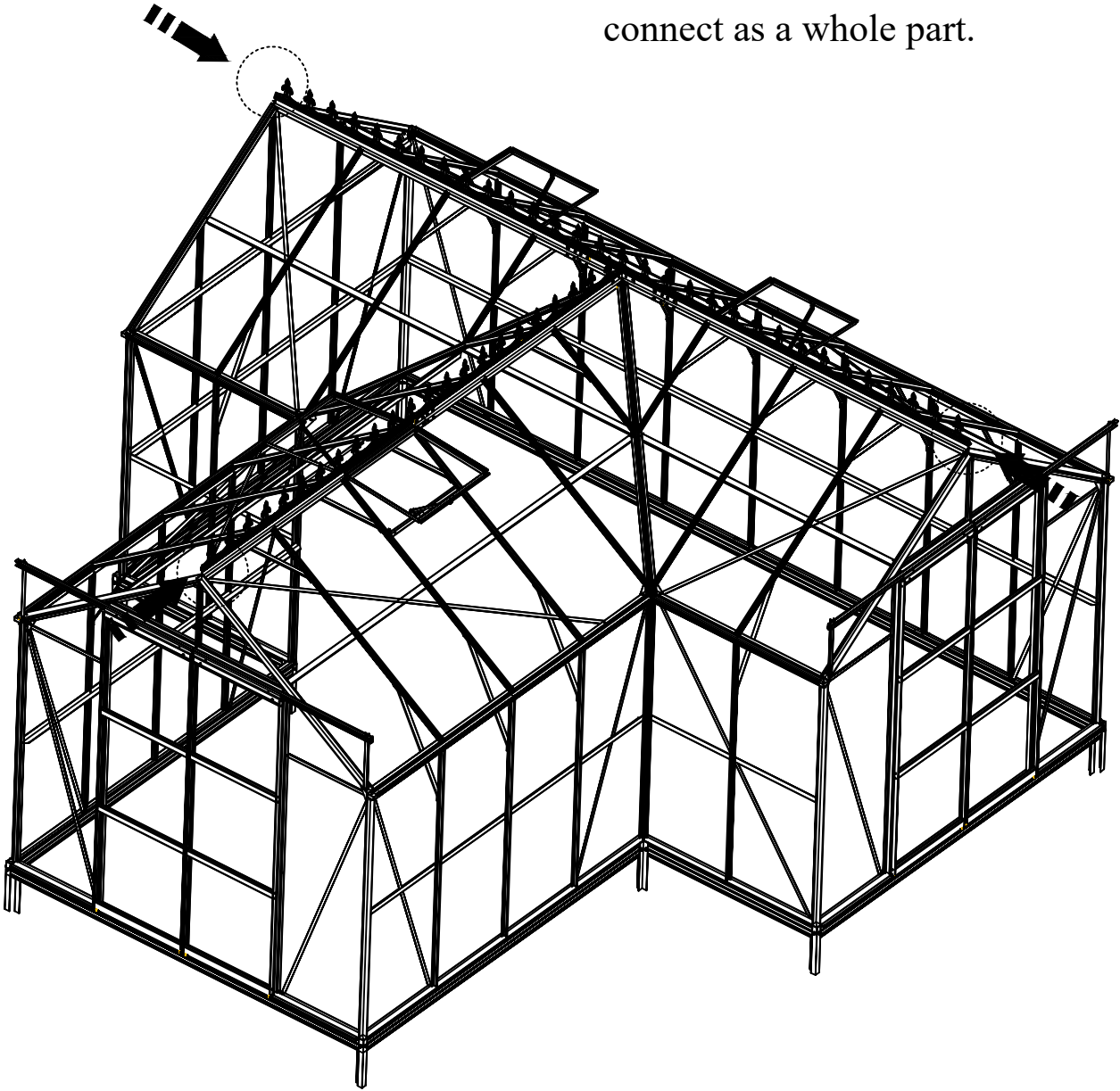
PART	#	mm	Qty.
	S05	M5*25	4
	M01	M6	8
	M02	M5	4
	J04L#		3
	J04R#		3

PART	#	mm	Qty.
	L21	357	4
	H03	Ø12*Ø6*18	4
	W13	Ø12*28	4
	W21	Ø12*Ø6*1.5	4
	S01	M6*12	4
	S03	M6*40	4



PART	#	mm	Qty.
	J19		
	J25	1518	10
	Y12	565*571	12
	Q01		16

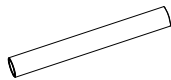
Sliding each cresting A106 into slot of ridge frame, please put silicon sealant on each of them to connect as a whole part.

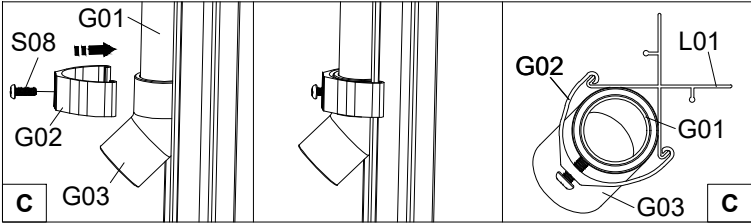
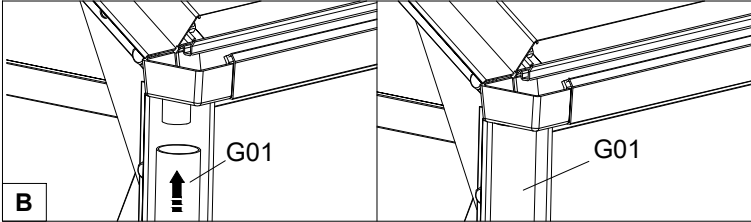
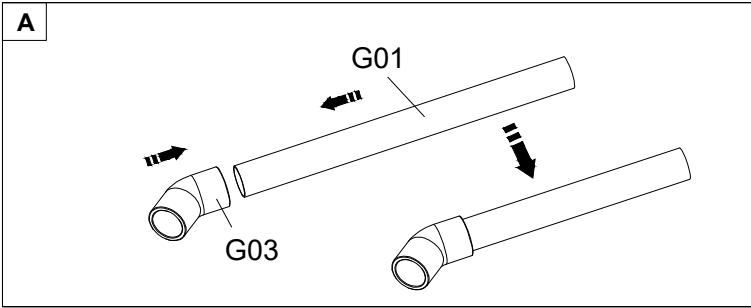
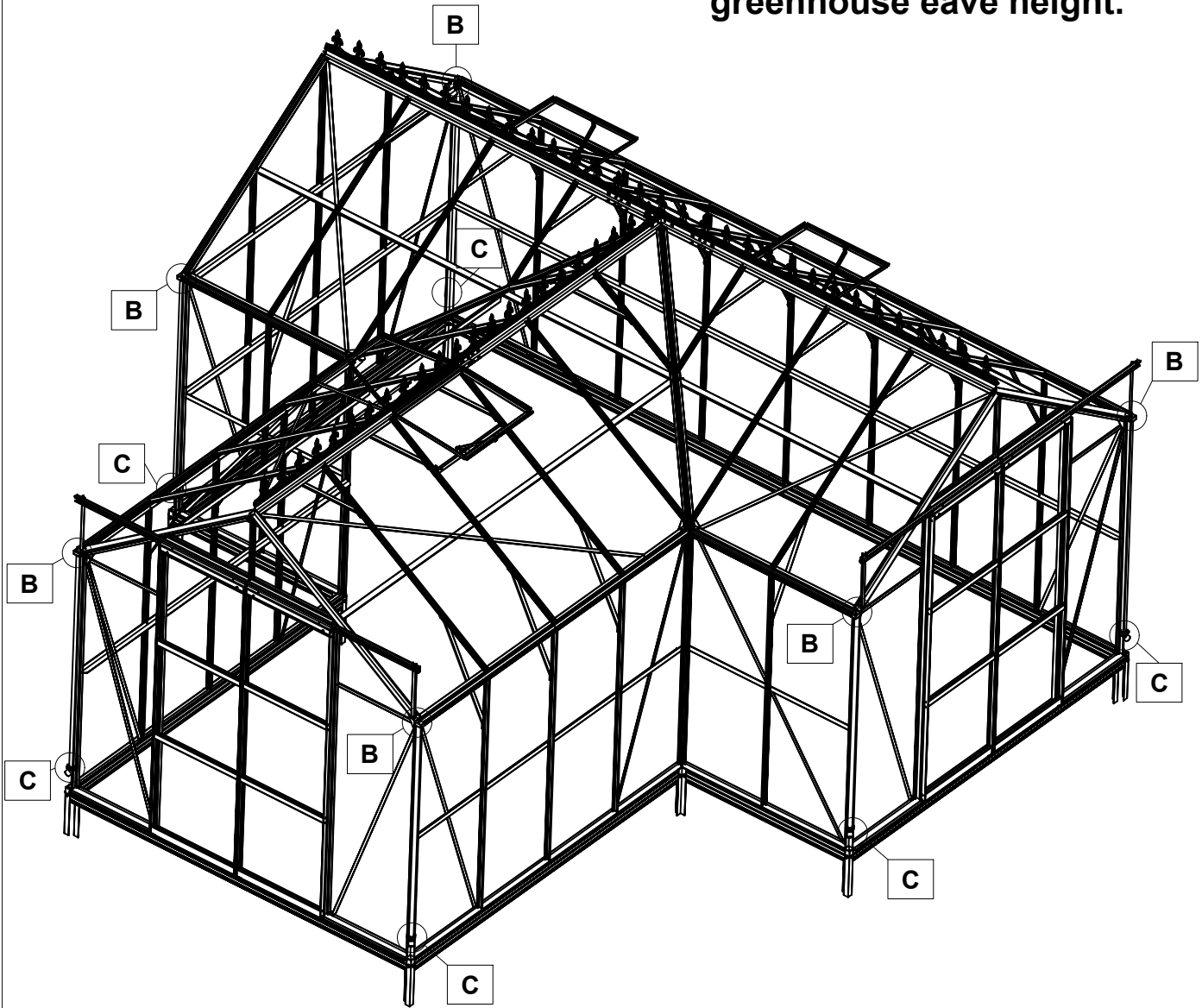


PART	#	mm	Qty.
	A106		54

Downpipe Set Assembly Instruction

Notes:
Customer can cut the pipes by themselves according to different greenhouse eave height.

PART	#	mm	Qty.
	G01	1400	6
	G02	44*33*20	6
	G03	1'	6
	S08	M4*16	6



Contact information

Austria



Belgium



Croatia



Denmark



Estonia



Finland



France



Germany



Ireland



Italy



Latvia



Lithuania



Nederland



Norway



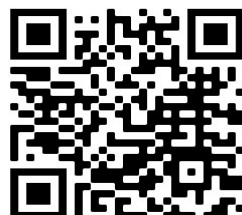
Poland



Portugal



Spain



Sweden



Switzerland



UK

