

Alukov

Member of

IPC
Team



COMPLETE YOUR HOME...

Assembly and installation guide

CONTENTS	TYPE	PAGE
1. Unpacking the Box.	Box 1, 2, 3.	2
2. Installing the leading lines.	Box 1, 2, 3.	5
3. Building the 1st (smallest) segment.	Box 1, 2, 3.	13
4. Building the 3rd or 4th (biggest) segment.	Box 1, 2, 3.	22
5. Reinforcing of segments.	Box 1, 2, 3.	28
6. Threading the segments.	Box 1, 2, 3.	30
7. Insulation between segments.	Box 1, 2, 3.	34
8. Building the lateral door.	Box 1, 2, 3.	36
9. Reinforcing of lateral door.	Box 1, 2, 3.	41
10. inserting a rubber seal into the lateral door.	Box 1, 2, 3.	43
11. Threading the lateral door.	Box 1, 2, 3.	44
12. Installing the lateral door and assembling the lock.	Box 1, 2, 3.	46
13. Making the small end wall.	Box 1, 2, 3.	53
14. Making the big end wall.	Box 1, 2, 3.	57
15. Installing the segment lock system.	Box 1, 2, 3.	60
16. Installing of the rail end cups.	Box 1, 2, 3.	61
17. Installing the lock for end walls.	Box 1, 2, 3.	63
18. Finish.	Box 1, 2, 3.	64

Models	Dimensions of Boxes			Weight
Types	Width	Height	Depth	kg
Box 1: T1 AZFC (3250x6425)	4000	1260	470	~370
Box 2: T2 AZFC (3750x7620)	4500	1460	470	~435
Box 3: AZFC (4500x8550)	5500	1260	550	~575



scissors



screwdriver



1.1



1.2



For BOX A and BOX B, the cardboard box that containing the assembly and the rails are located on the top.

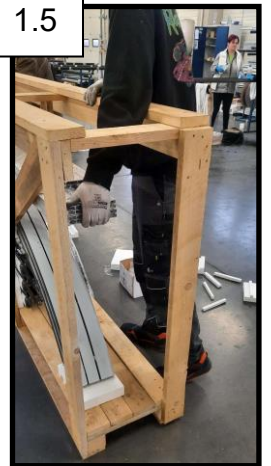
1.3



1.4



1.5



1.6



1. Unpacking the Box

Box 1, 2, 3.

1.7



1.8



1.9



1.10



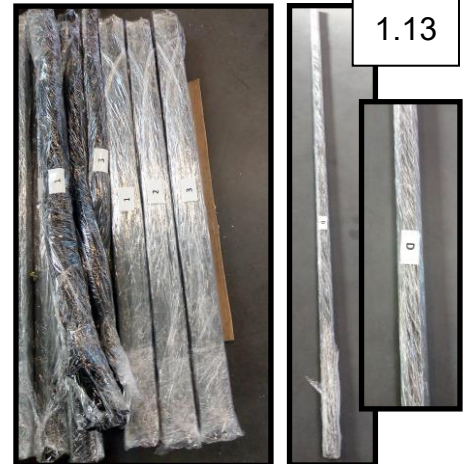
1.11

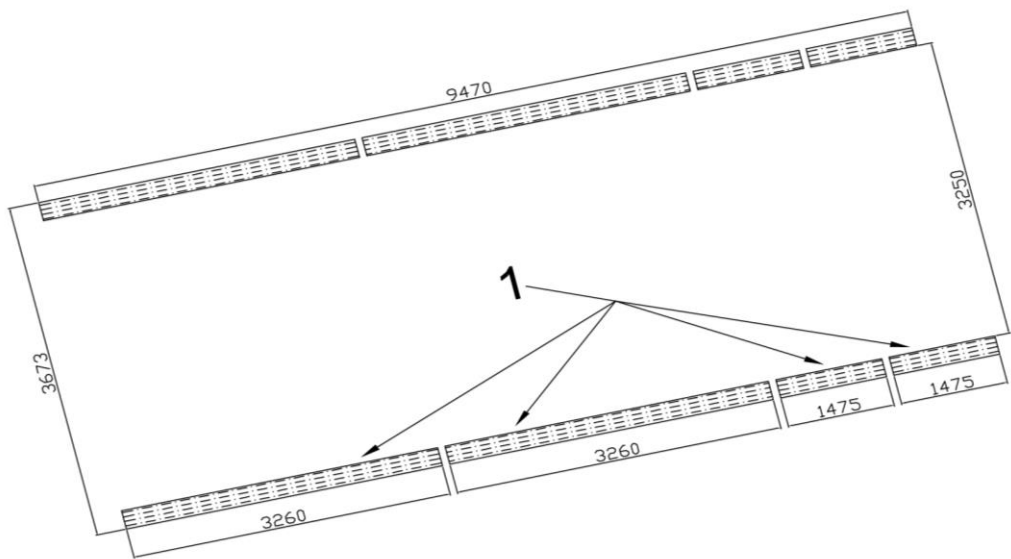


1.12

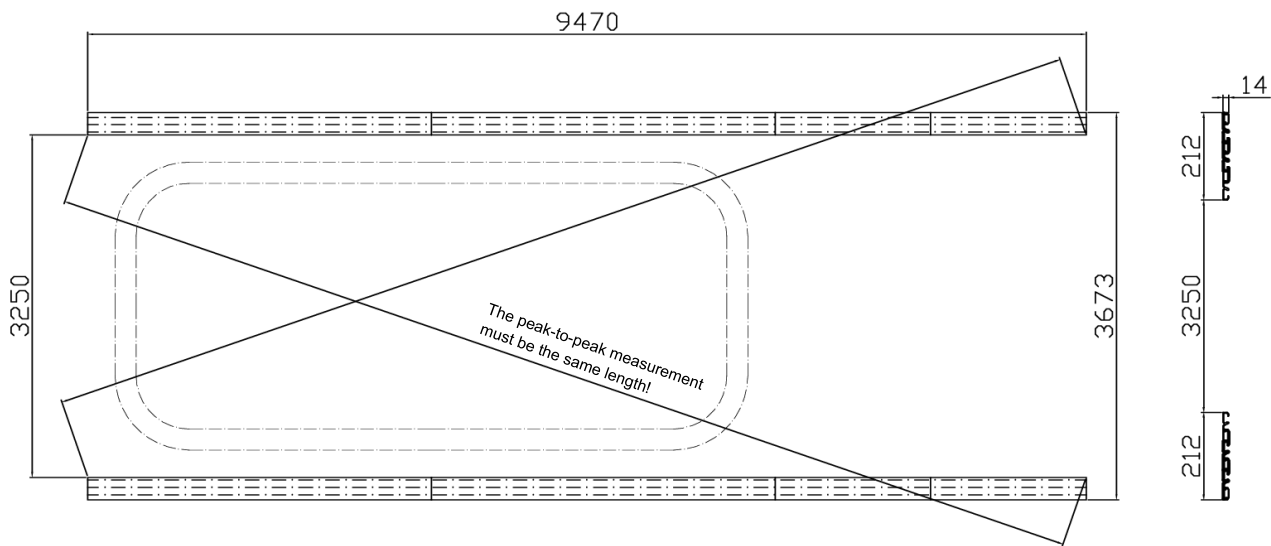
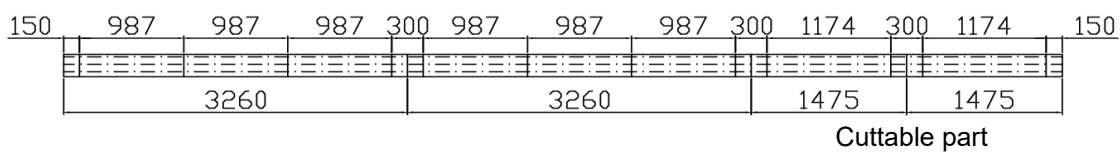
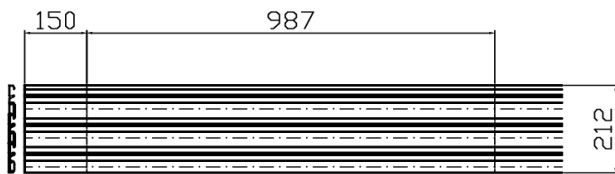


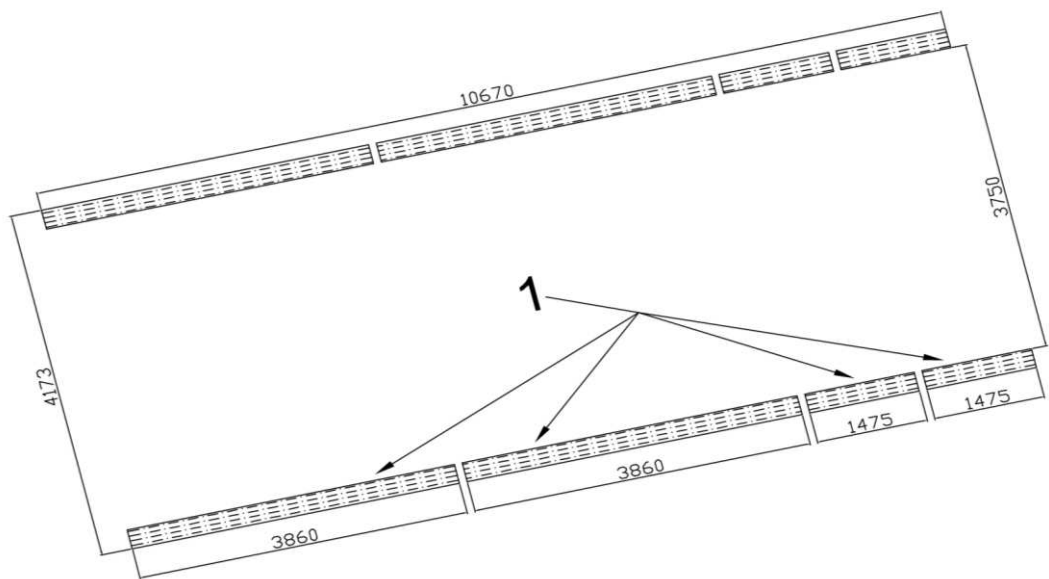
1.13



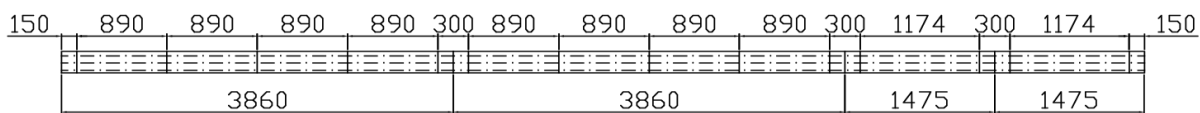
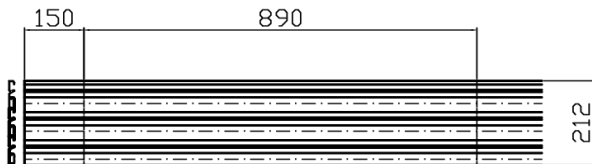


Accessories	Types	Piece	Note
Dowels	8x60 mm	48	
Rivets	4x10 mm	12	
Leading lines for cover	3260 mm	4	
Leading lines for parking zone	1475 mm	4	
Connectors		12	

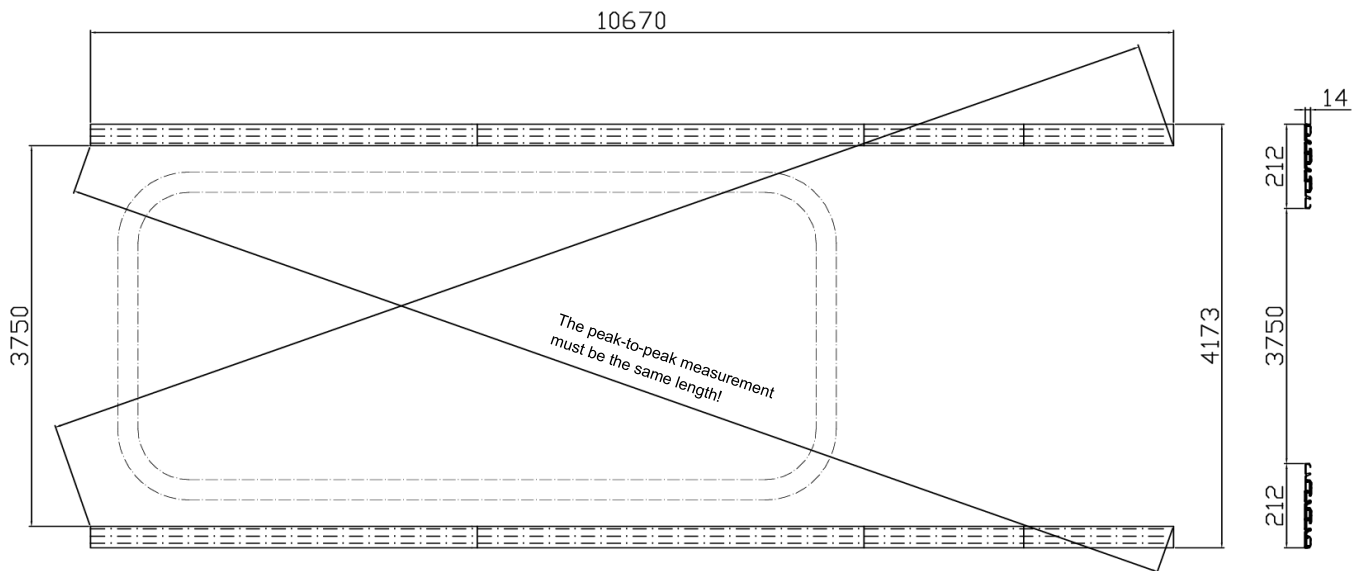


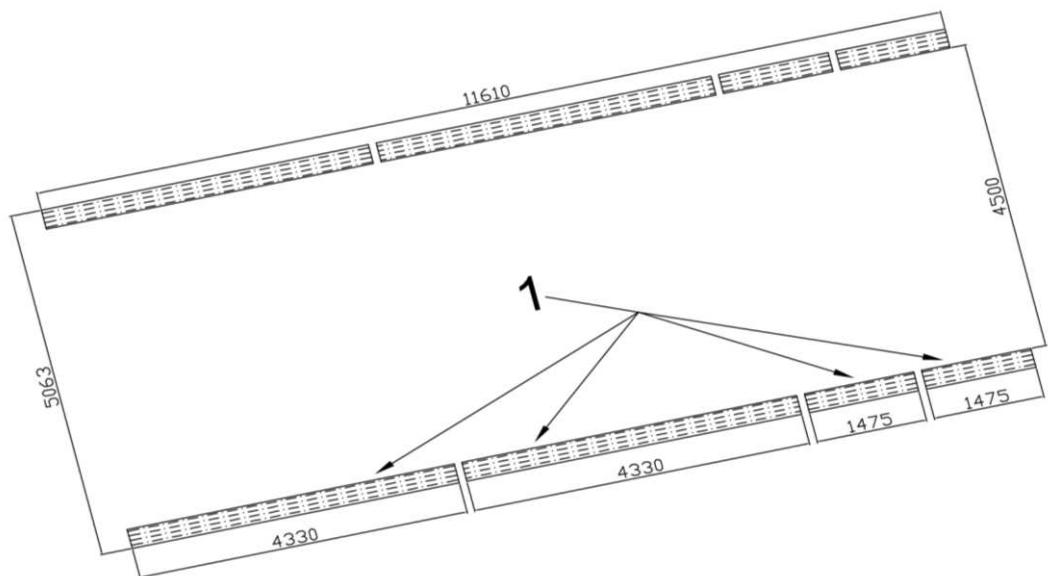


Accessories	Types	Piece	Note
Dowels	8x60 mm	56	
Rivets	4x10 mm	12	
Leading lines for cover	3860 mm	4	
Leading lines for parking zone	1475 mm	4	
Connectors		12	

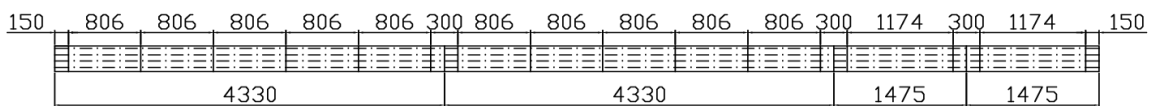
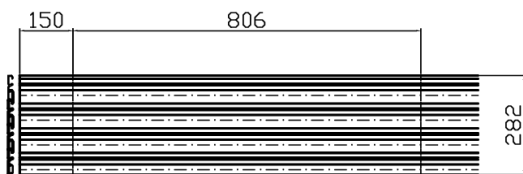


Cuttable part

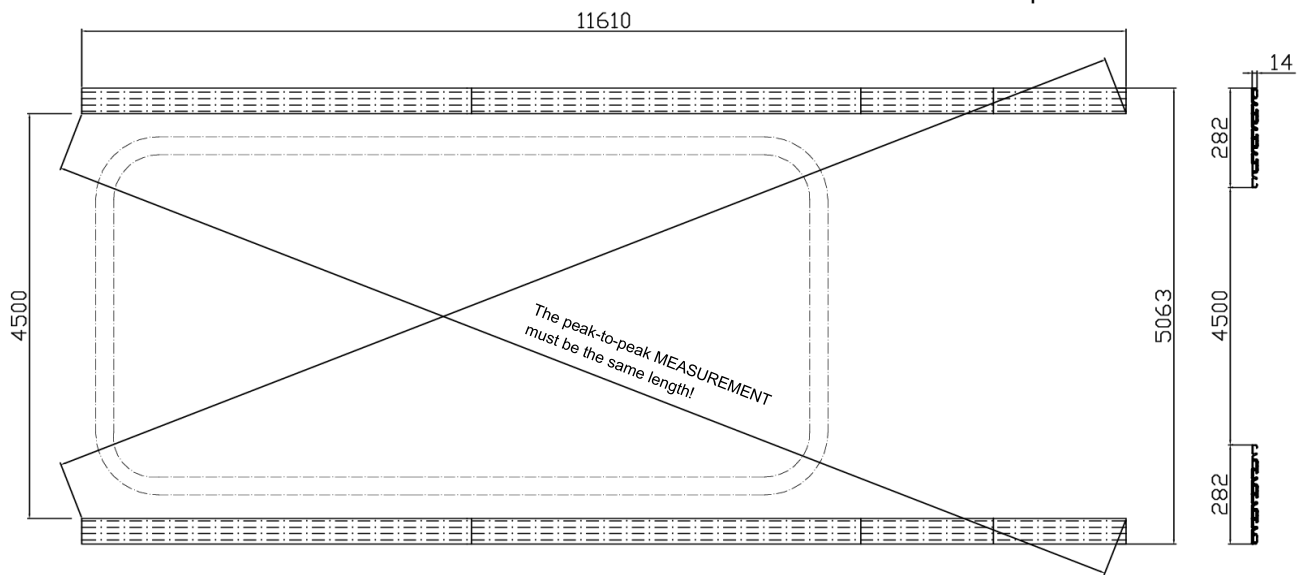




Accessories	Types	Piece	Note
Dowels	8x60 mm	96	
Rivets	4x10 mm	12	
Leading lines for cover	4330 mm	4	
Leading lines for parking zone	1475 mm	4	
Connectors		12	



Cuttable part



2. Installing the leading lines.

Box 1, 2, 3.

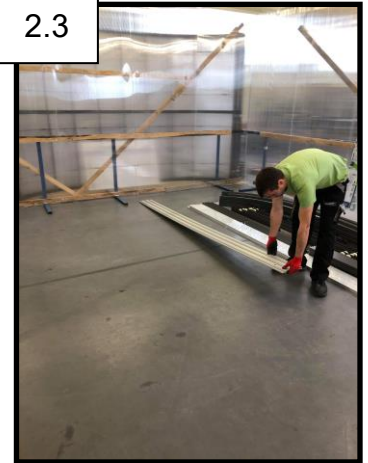
2.1



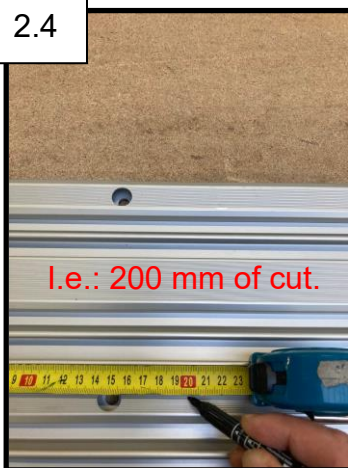
2.2



2.3



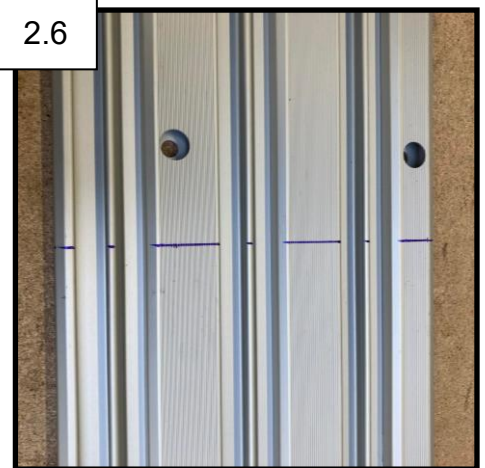
2.4



2.5



2.6



2.7



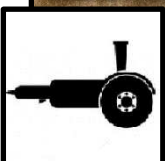
Lay down all the rails on the planned place.

Then measure how long rail you need.

Then, if necessary, cut off the 2950 mm rails from the end.

Finally, if the unscrewed section is too long, drill new holes proportionally with 8 mm and 16 mm drills as on pictures.

2.8



vacuum cleaner



wired drill



hammer

tape measure



cordless drill

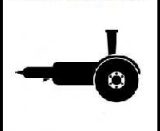
screwdriver



hand riveter

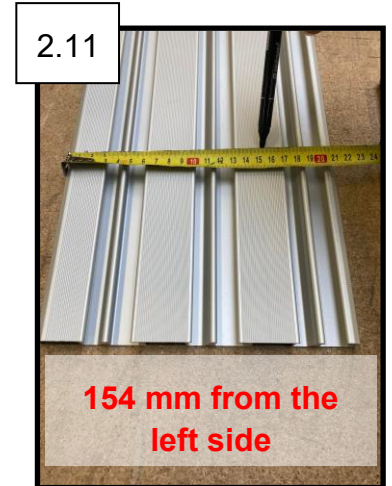
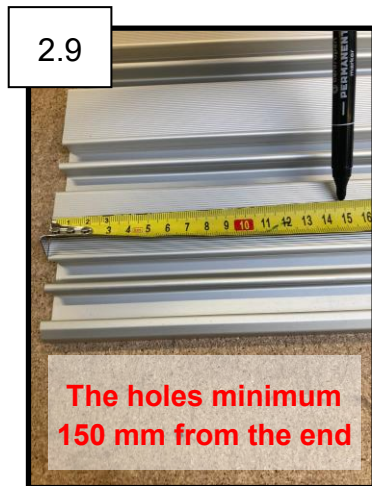


Electric circular saw

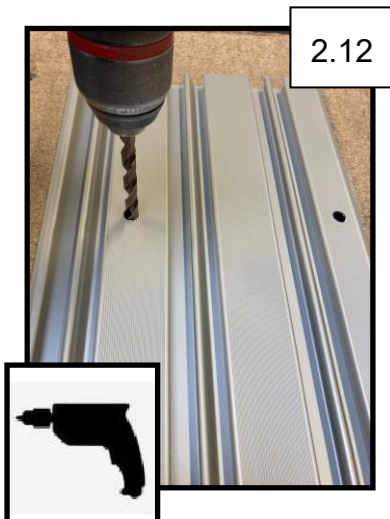


2. Installing the leading lines.

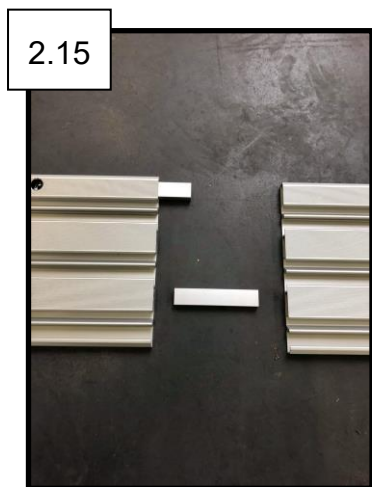
Box 1, 2, 3.

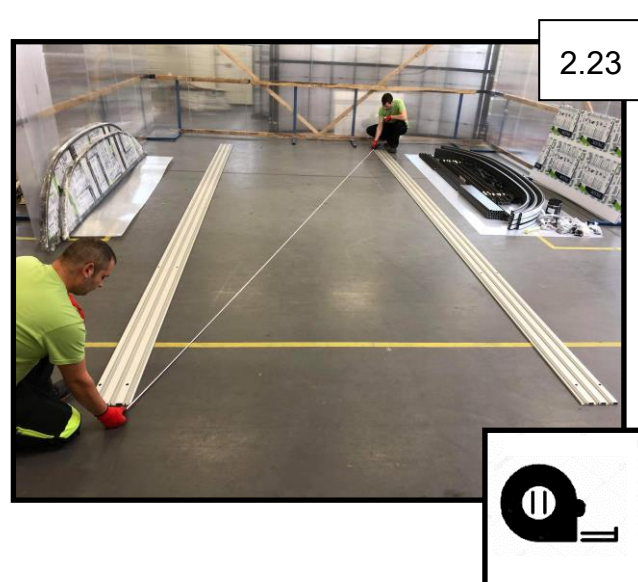
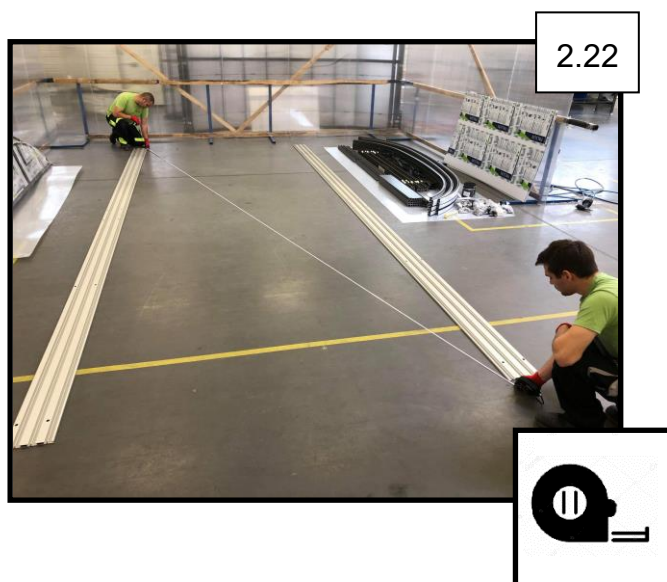
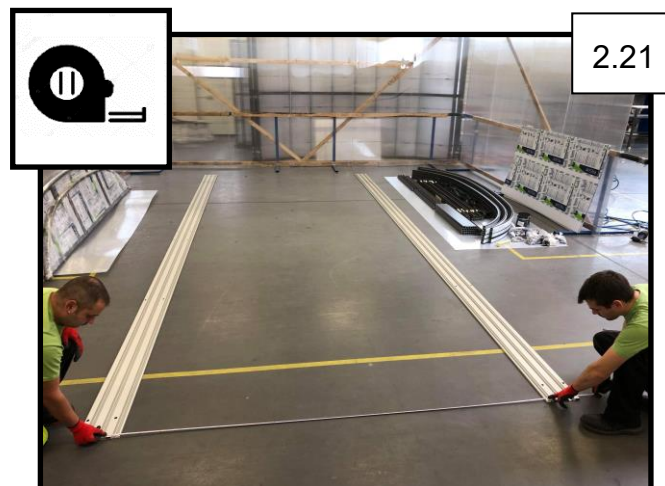
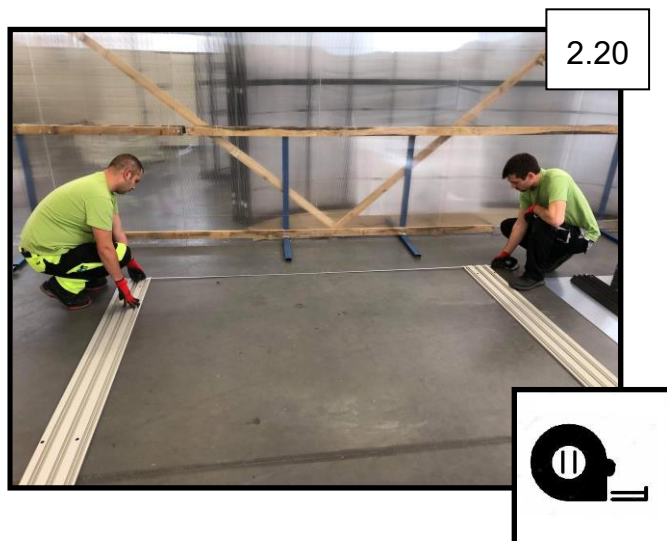
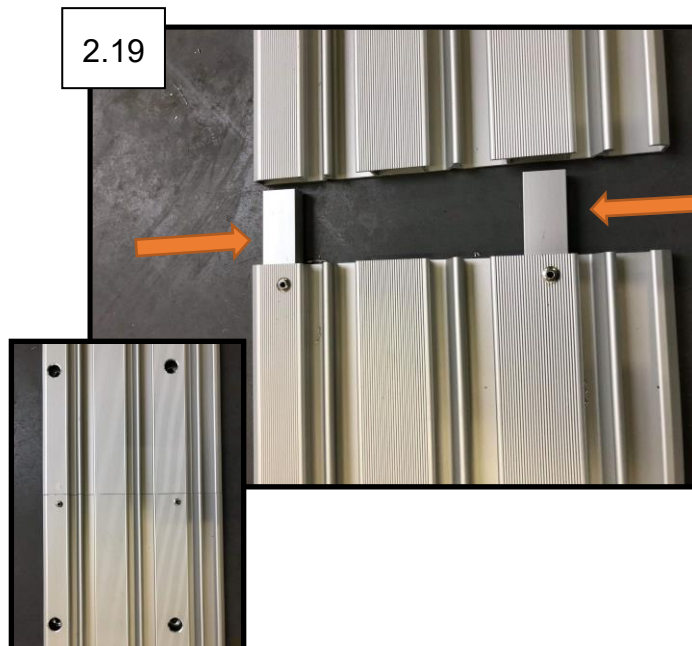


Drill through the both sides of rails with 8 mm drill then only the top side with 16 mm drill.



Drill the rails with 4 mm drill and fix the connectors with 2x10 mm rivets.





Drill the ground with 8 mm widia or diamond drill and clean the leading lines from dust.

2.24

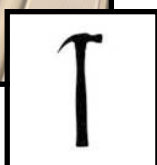
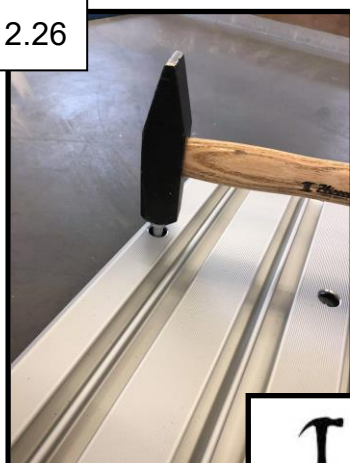


2.25



Use 8x60 mm dowels to fix the leading lines. Recommended PH3 bit for screwdriver.

2.26



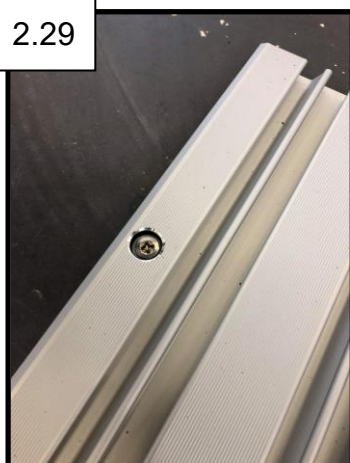
2.27



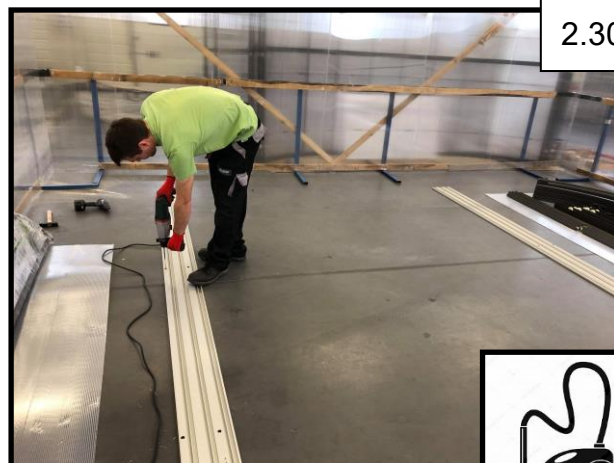
2.28



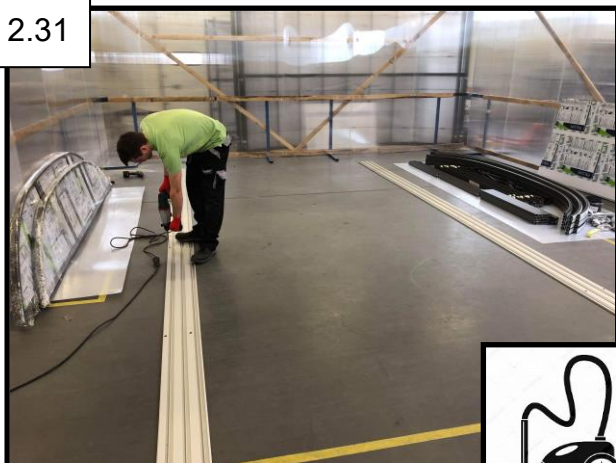
2.29



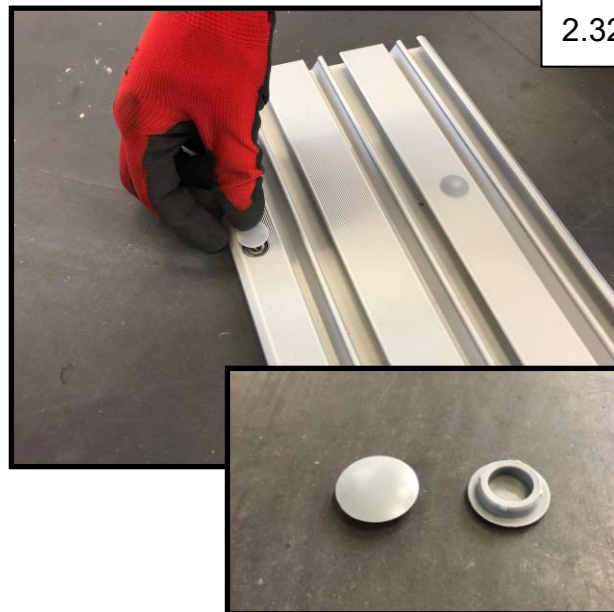
2.30



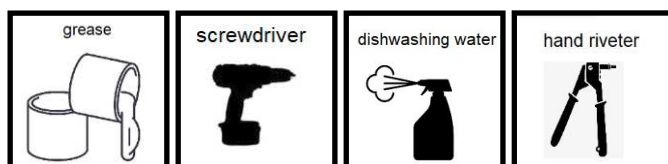
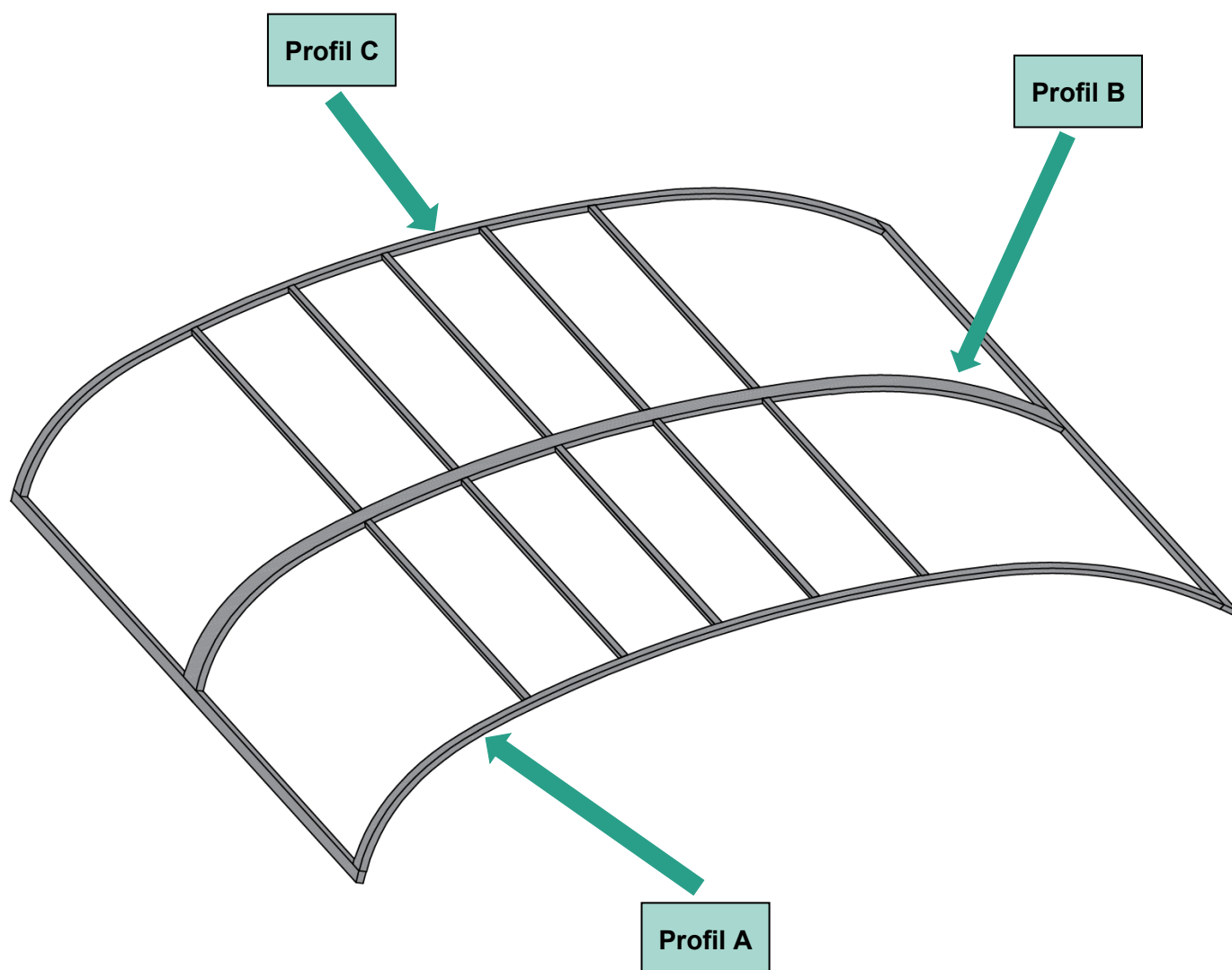
2.31



2.32

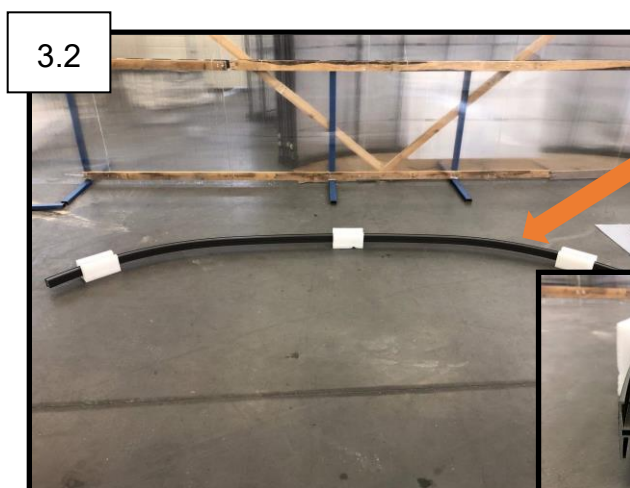


Repeat the steps with the other points of the rails.

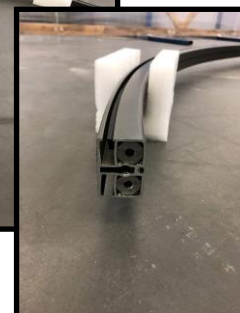


3. Building The 1st (smallest) segment.

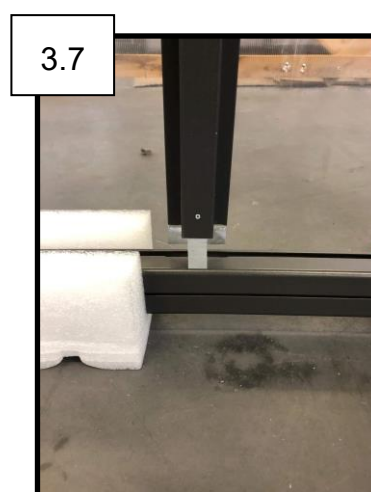
Box 1, 2, 3.



Profil C



For frame profile use 4x13 mm rivet.



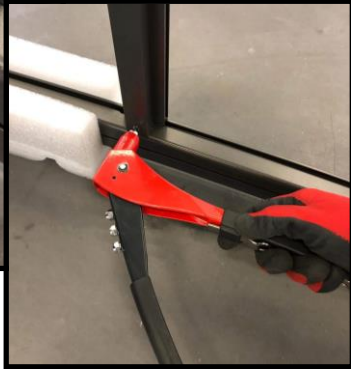
3. Building The 1st (smallest) segment.

Box 1, 2, 3.

3.8

Use 4x10 mm rivets for the separation profile.

3.9



3.10



3.11



Peel off the outer UV resistant foil ~ 30-40mm.

3.12



3.13

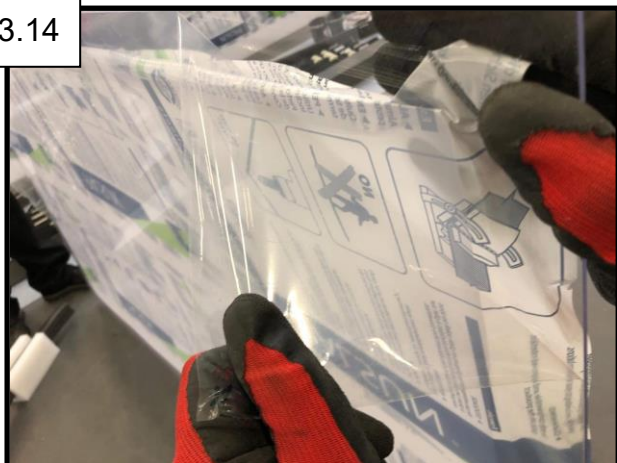


3. Building the 1st (smallest) segment.

Box 1, 2, 3.

Remove the inner foil completely.

3.14



3.15



3.16



3.17



Profil B

3.18



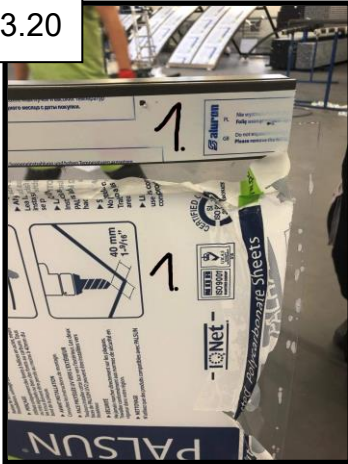
3.19



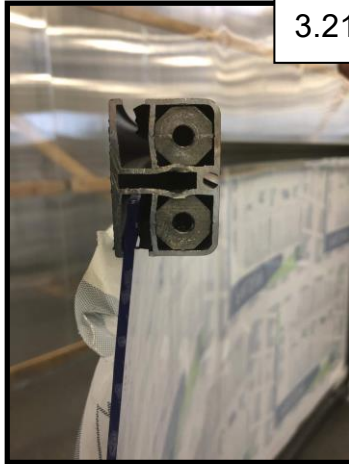
3. Building the 1st (smallest) segment.

Box 1, 2, 3.

3.20



3.21



3.22



Use 6.3x50 mm screws for the frame.
Recommended TX30 bit for screwdriver.

3.23



3.24

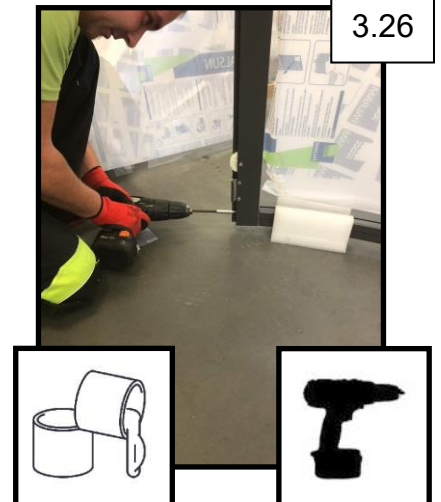


Always use grease
when screwing.

3.25



3.26



3. Building the 1st (smallest) segment.

Box 1, 2, 3.

3.27

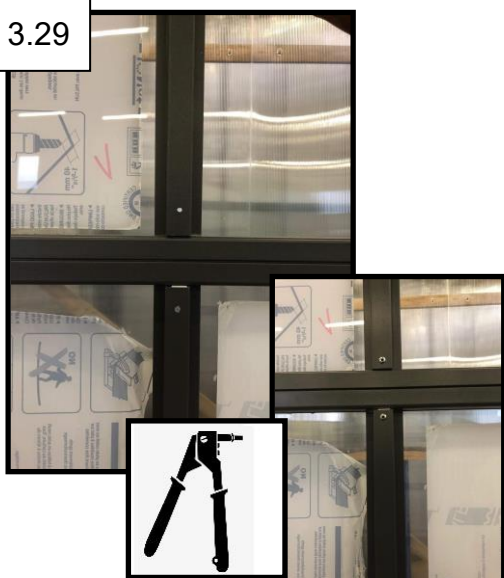


3.28



Repeat the steps from 3.3.

3.29



3.30



3.31



3.32



3. Building the 1st (smallest) segment.

Box 1, 2, 3.

Profil A

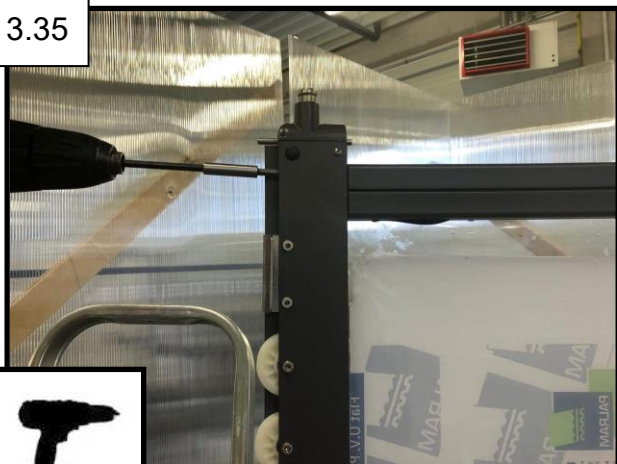
3.33



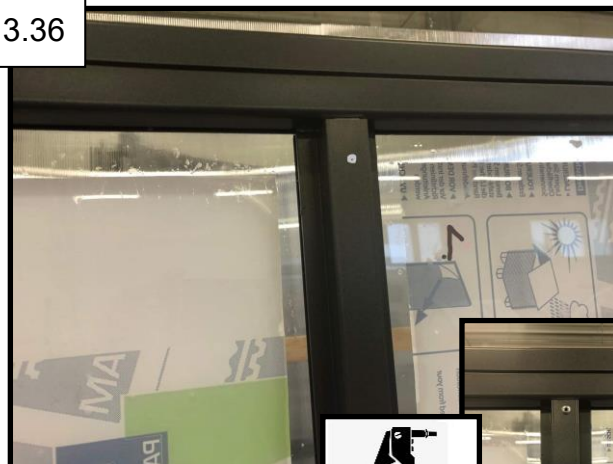
3.34



3.35



3.36



3.37

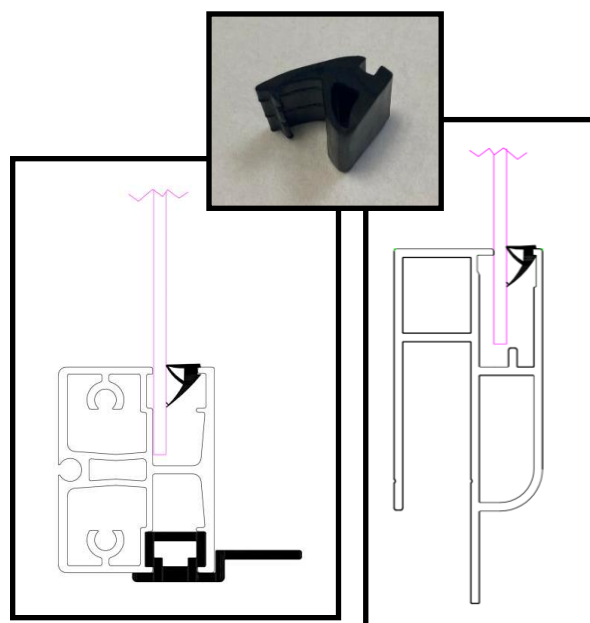
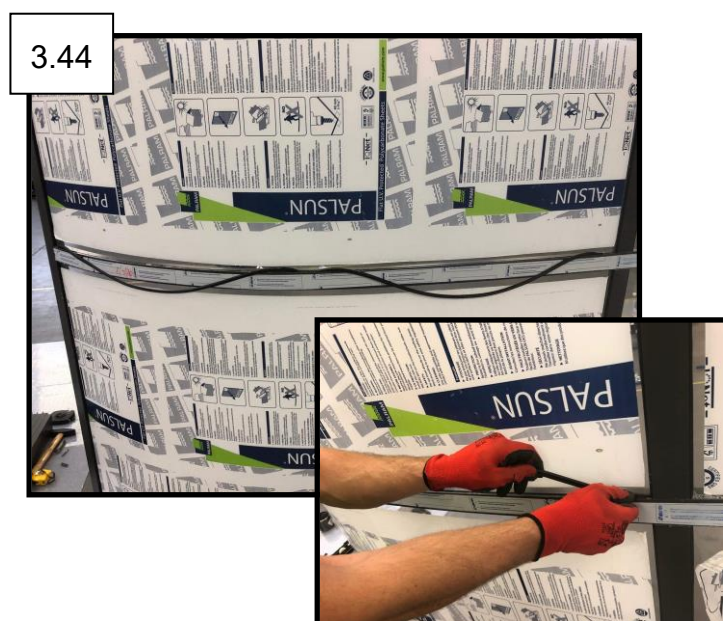
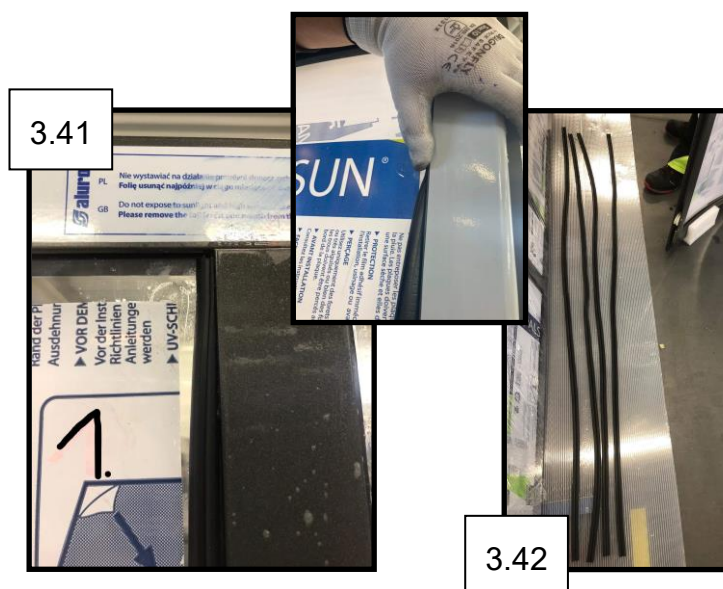
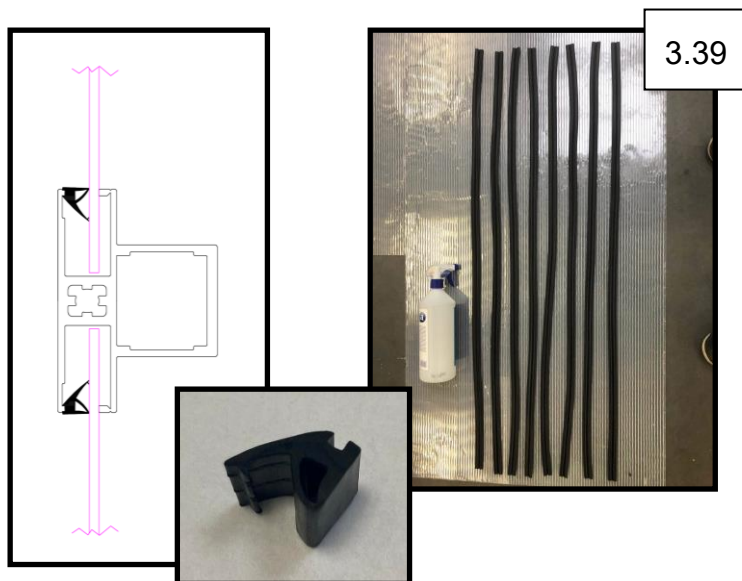


3.38



3. Building the 1st (smallest) segment.

Box 1, 2, 3.

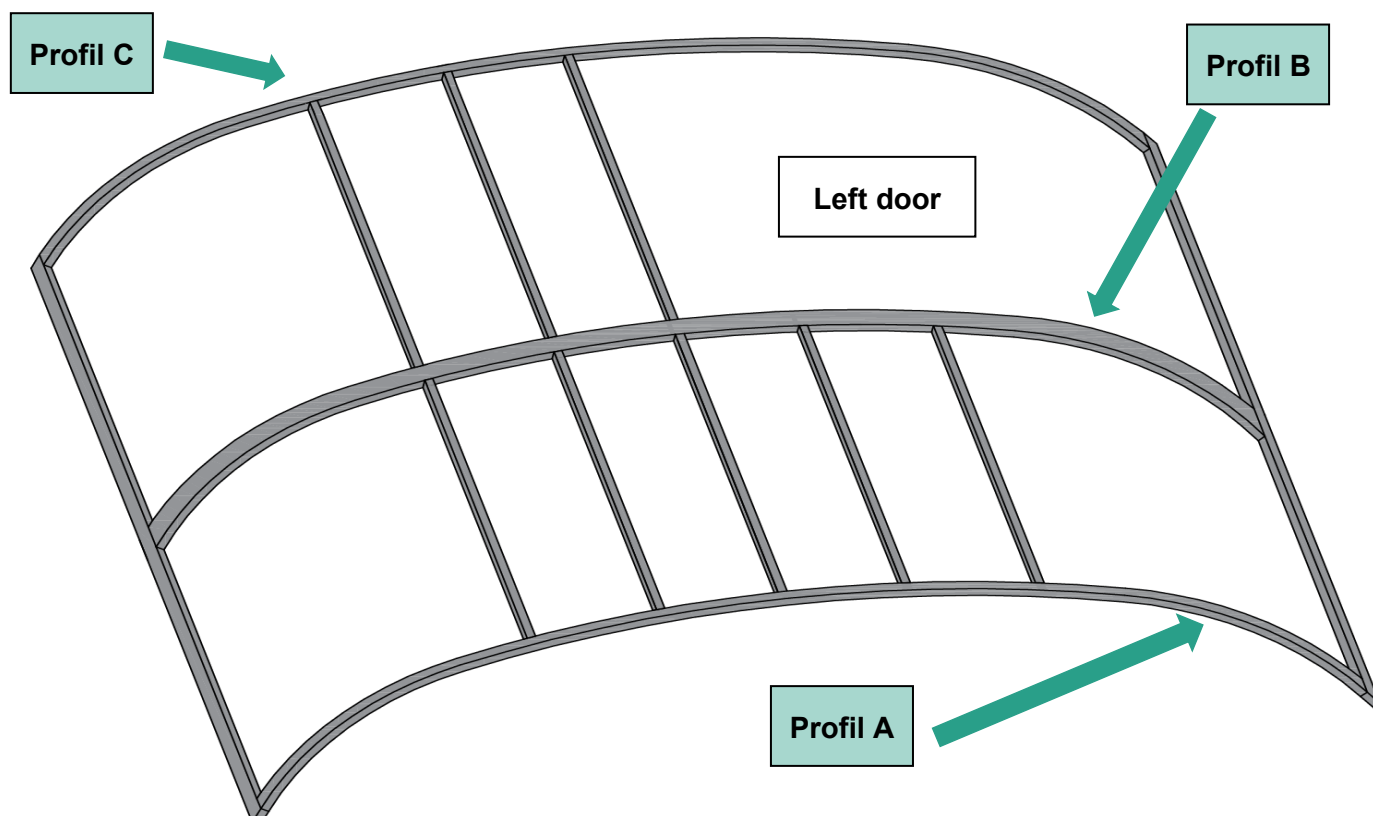
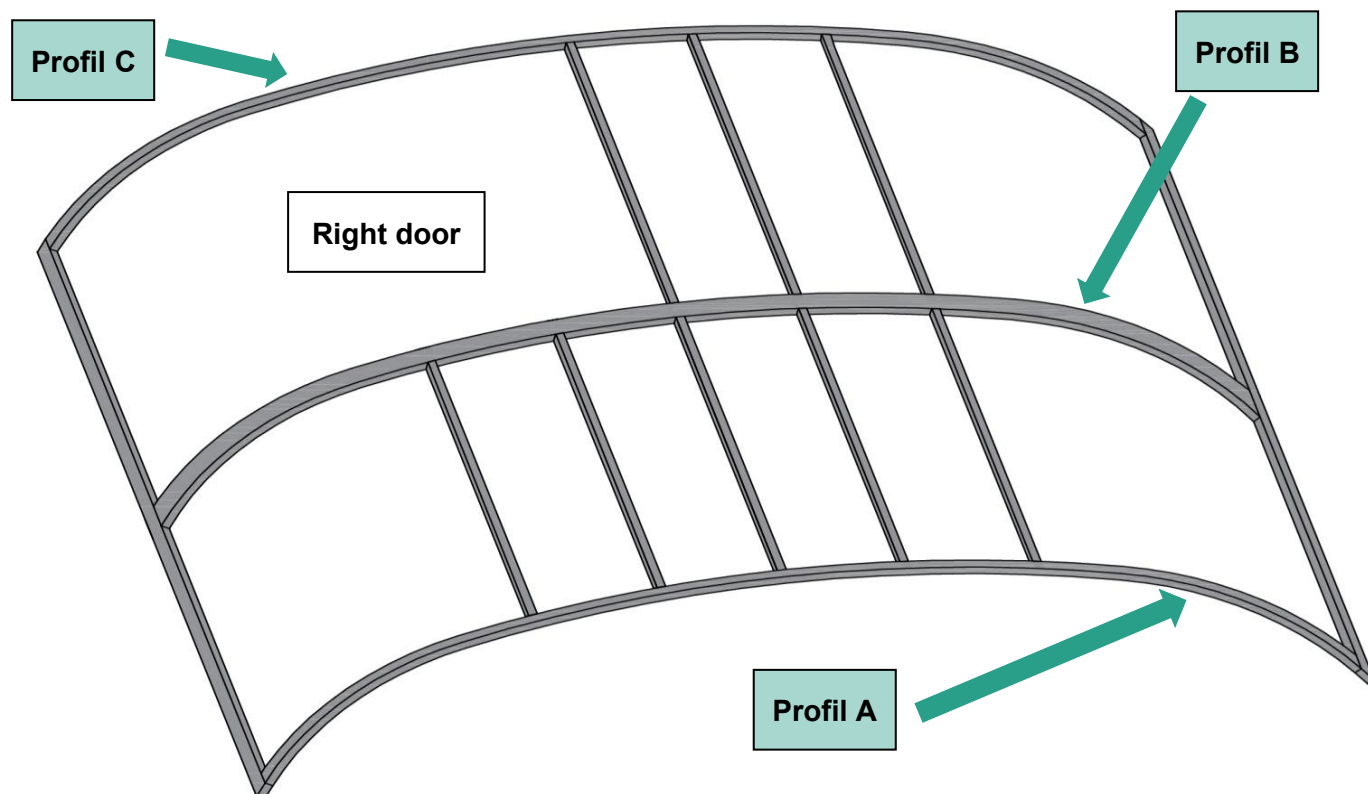


3.45



3.46





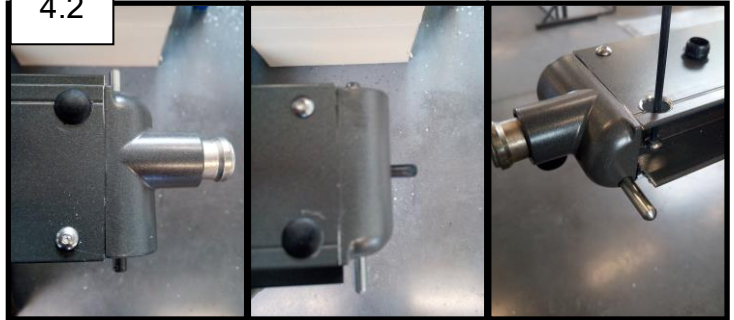
4. Building the 3rd or 4th (biggest) segment.

Box 1, 2, 3.

4.1

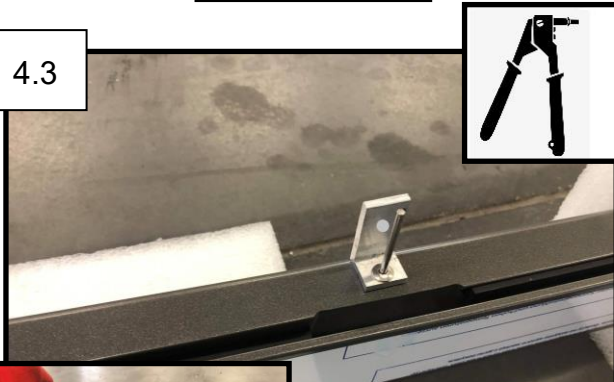


4.2



The opening is prepared for the right side door. If you want to place the side door on the left side, the locks and plugs must be placed on the other side of the chassis profile. Then you only need to mirroring the steps.

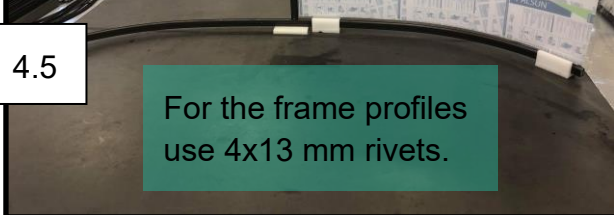
4.3



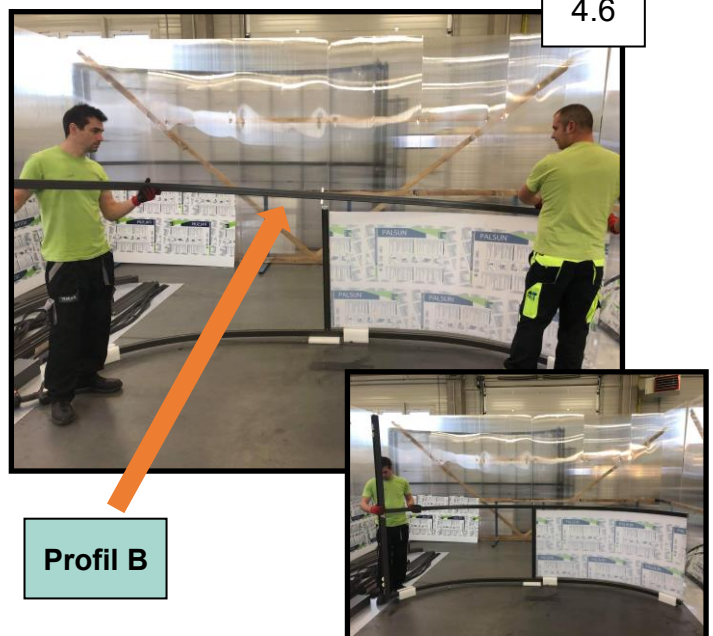
4.4



4.5



4.6



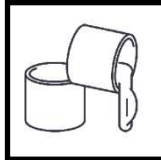
Profil B

4. Building the 3rd or 4th (biggest) segment.

Box 1, 2, 3.



4.7



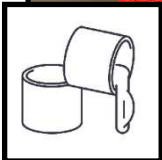
4.8



4.9

Use 6.3x50 mm screws for the frame profiles. Recommended TX30 bit for screwdriver.

4.10



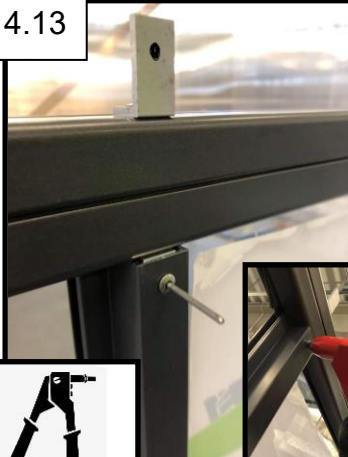
4.11



4.12



4.13



Use 4x10 mm rivets for the separation profiles.

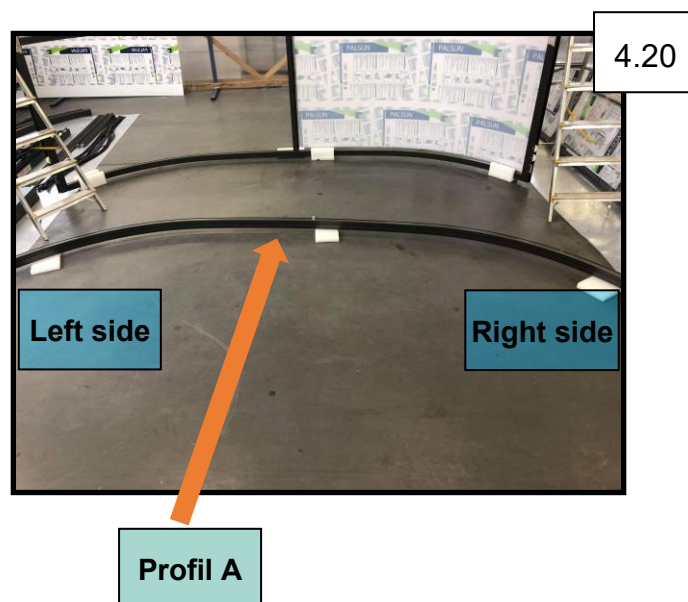
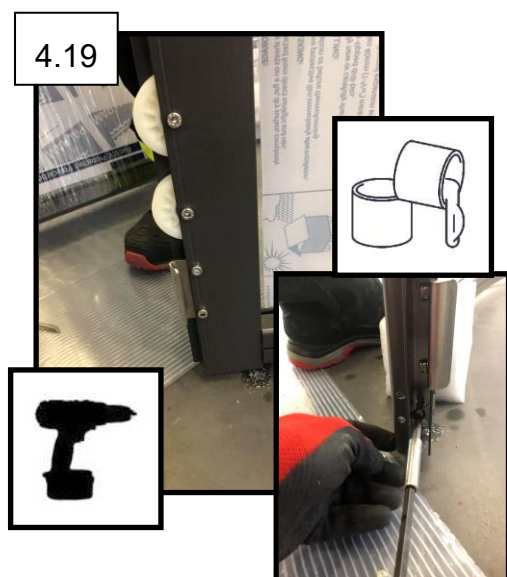
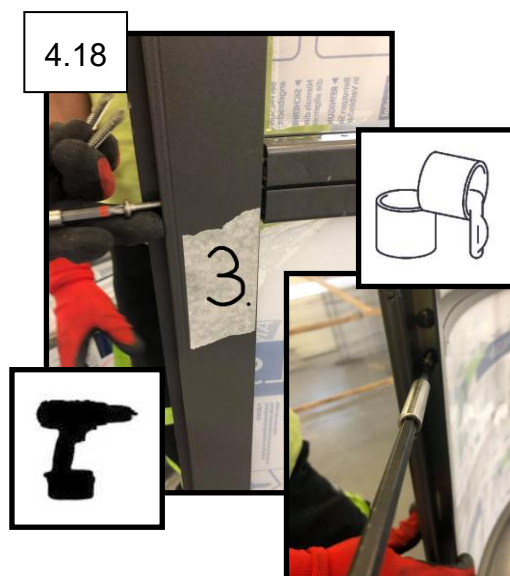


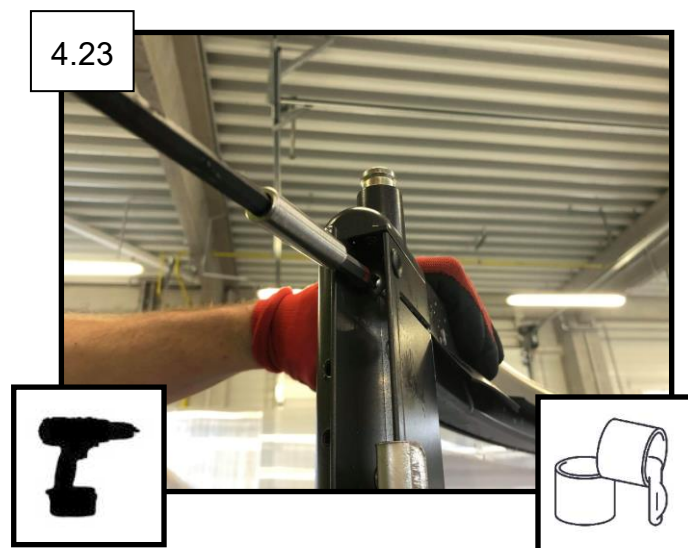
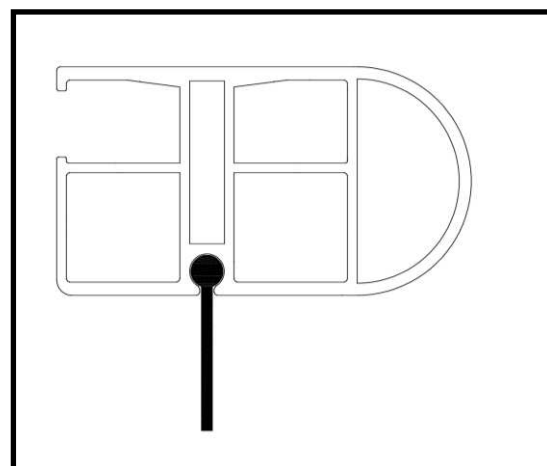
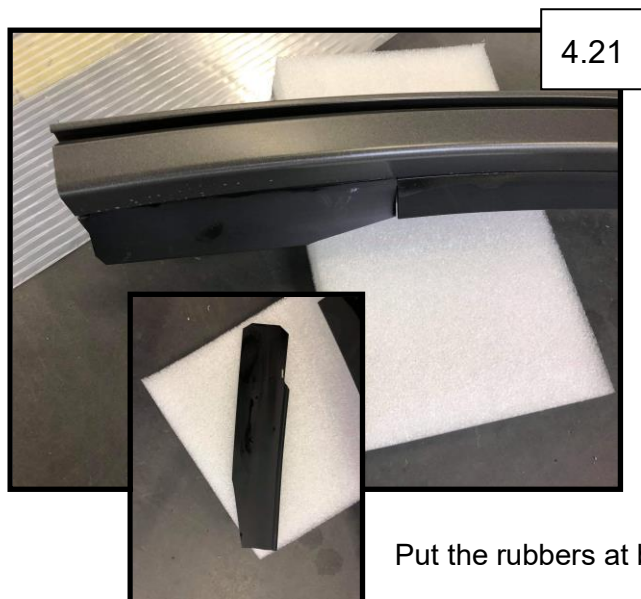
4.14



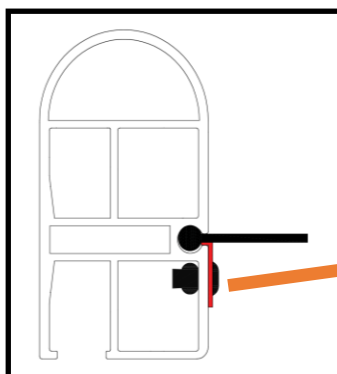
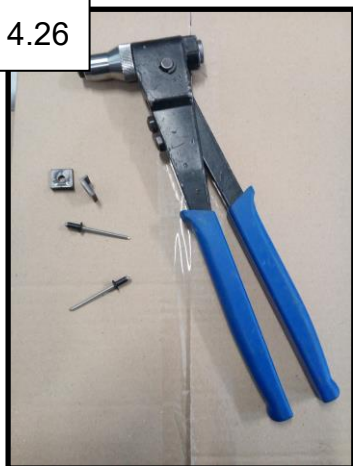
4. Building the 3rd or 4th (biggest) segment.

Box 1, 2, 3.





4.26



4.27



Pinch the rubbers with plastic clamps.

4.28



4.29



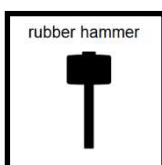
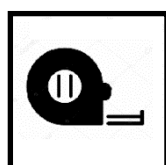
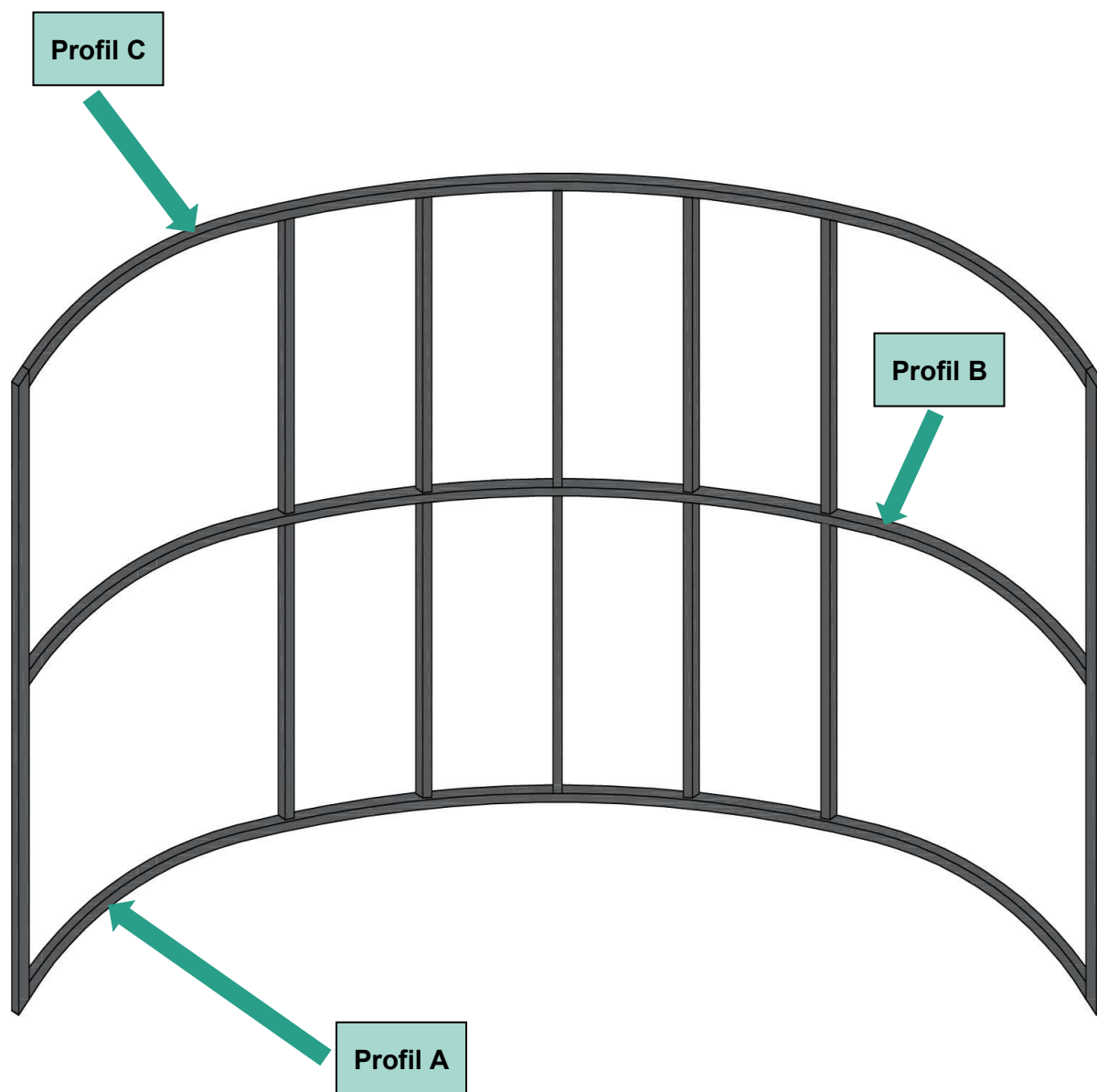
Pinch the rubbers with plastic clamps at both ends of the profiles.

4.30



4.31





5. Reinforcing of segments.

Box 1, 2, 3.

5.1



5.2



5.3



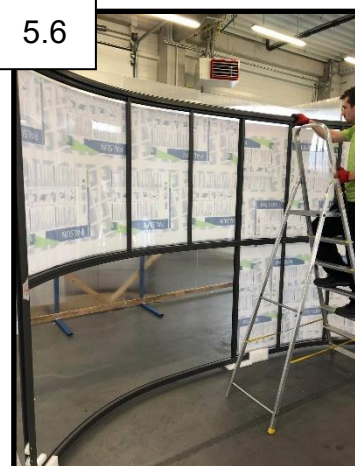
5.4



5.5



5.6



5.7



5.8



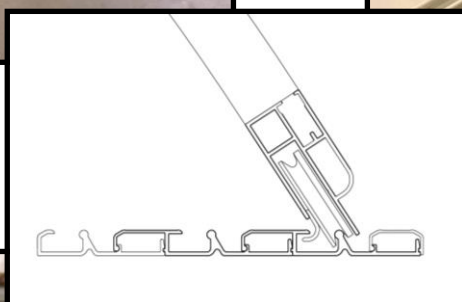
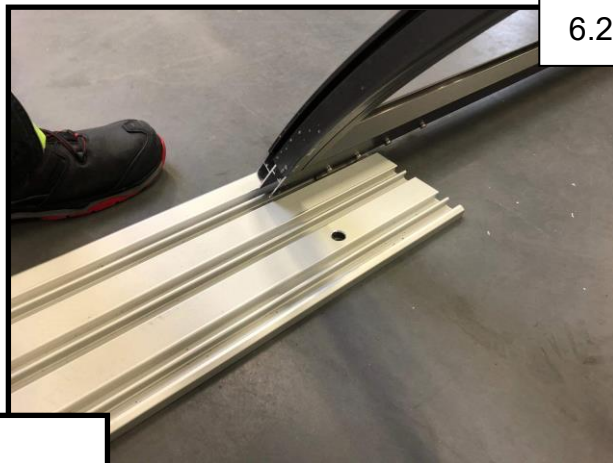
Only reinforcement should be placed under the polycarbonates.
Insert plugs into the holes on the side of the side door.

You can make the 2nd and/or the 3rd segments like the 1st one.

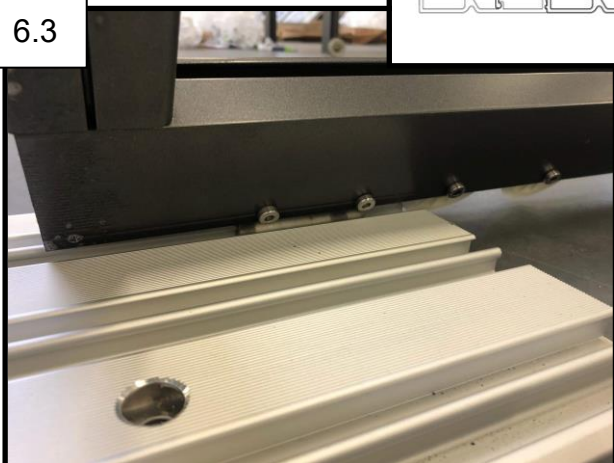
6.1



6.2



6.3



6.4



6.5



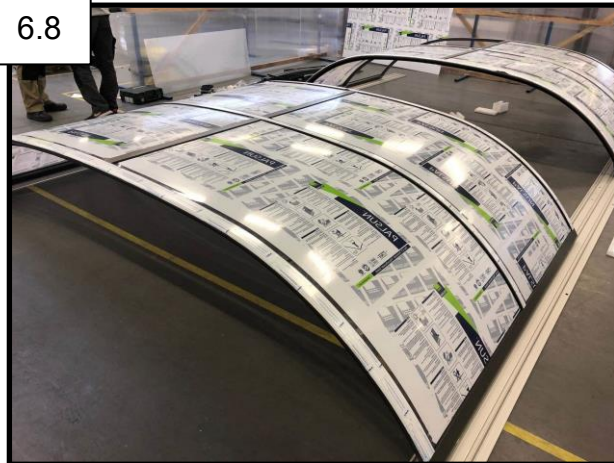
6.6



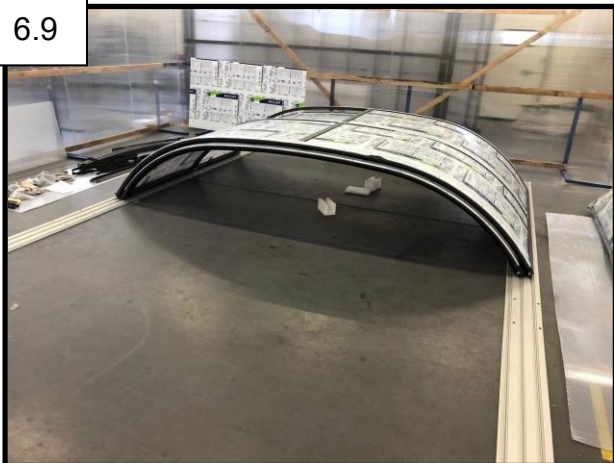
6.7



6.8



6.9



6.10

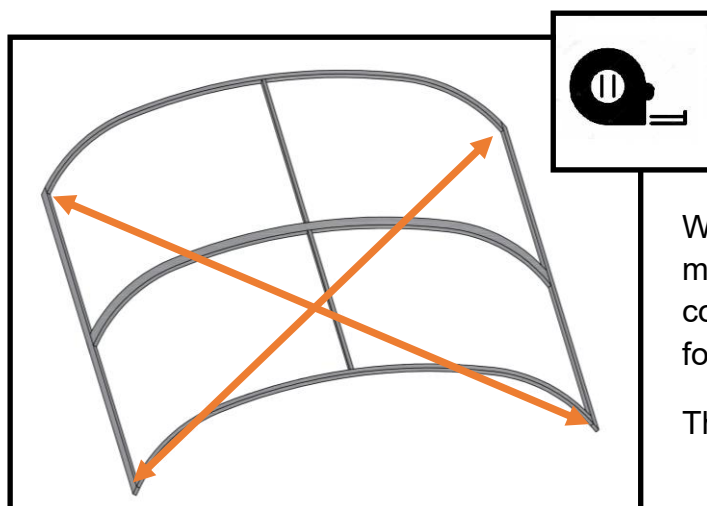


6.11



6.12





When threading a segment to the leading line, measure the diagonal of the segment from corner to corner. You will find the sizes in the following table.

The two diagonals must match!

	Type 1	Type 2	Type 3
1. segment	3994 mm	4631 mm	5089 mm
2. segment	4113 mm	4748 mm	5215 mm
3. segment	4232 mm	4866 mm	5343 mm
4. segment	X	X	5471 mm

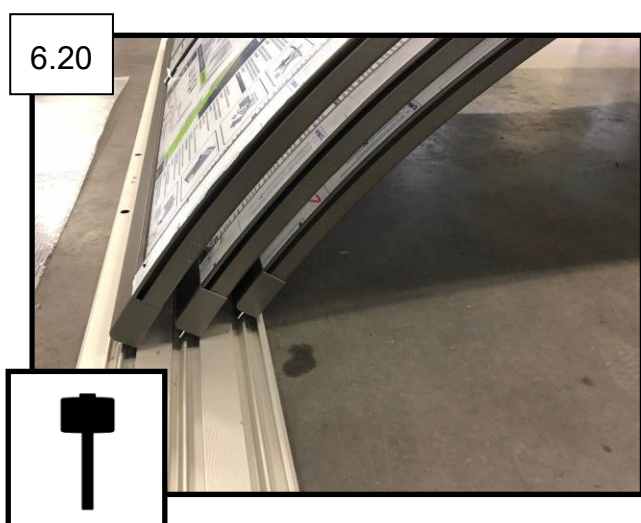
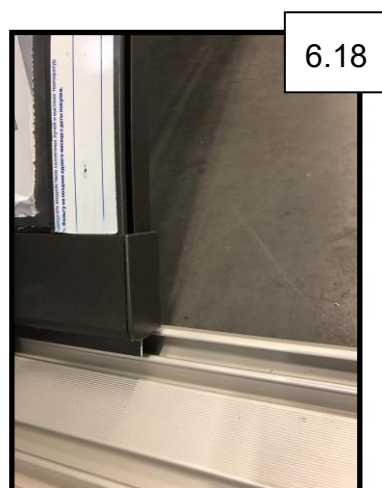
Use only a rubber hammer
to punch in the closing parts!

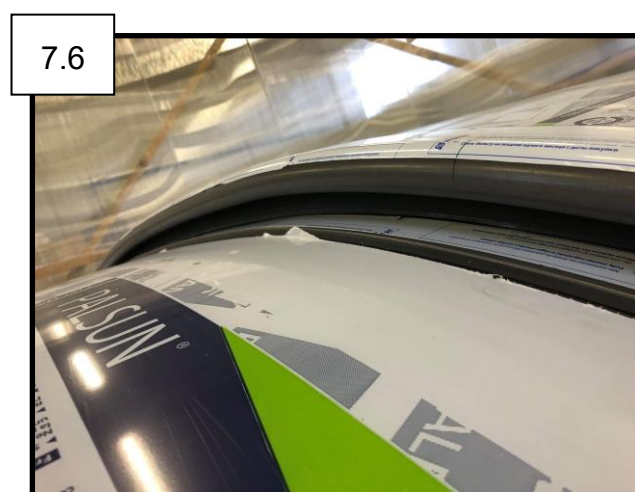
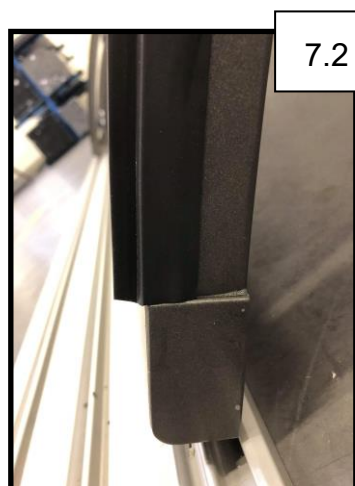
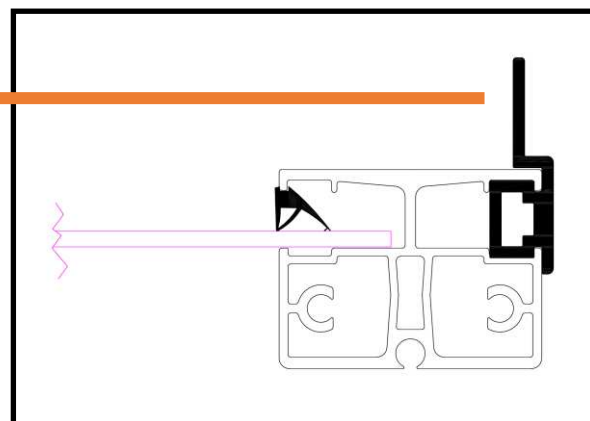
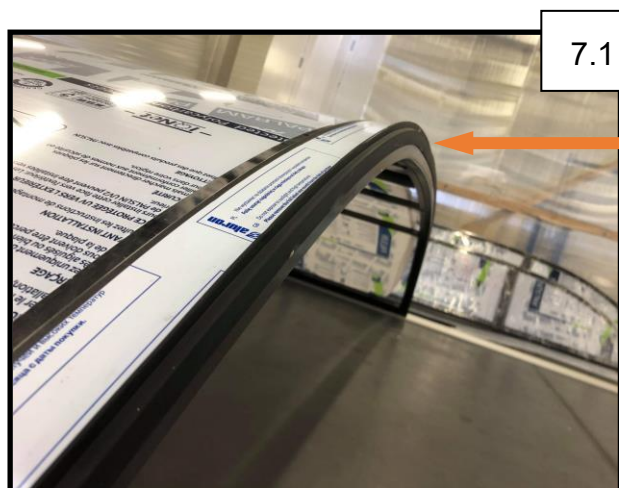
6.13



6.14







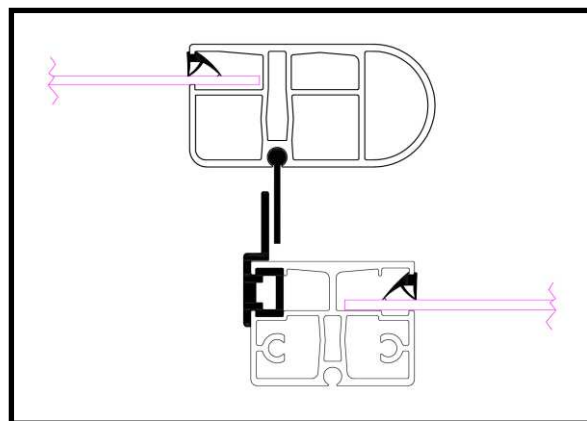
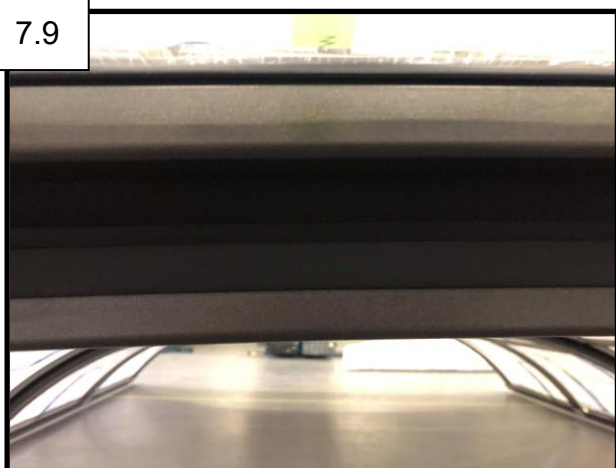
7.7



7.8

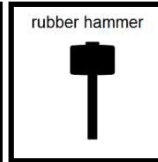
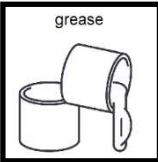
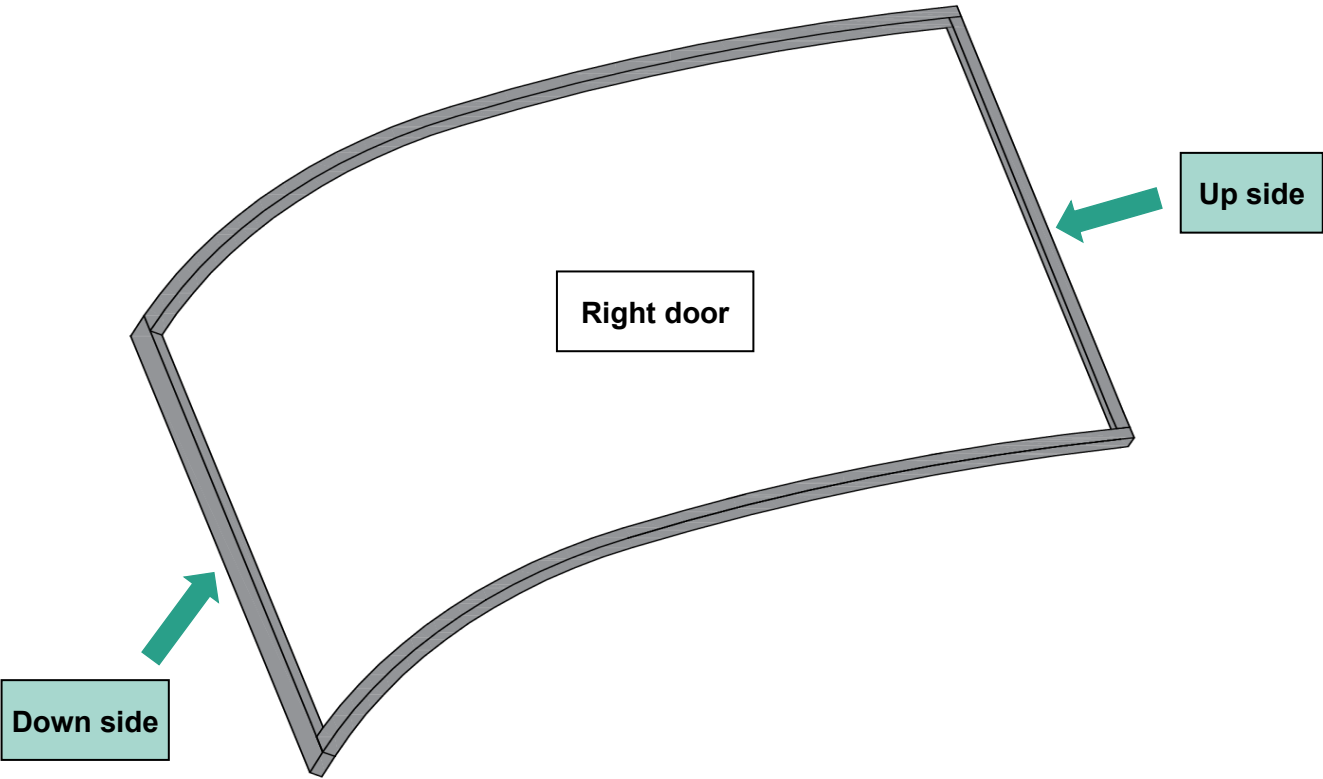
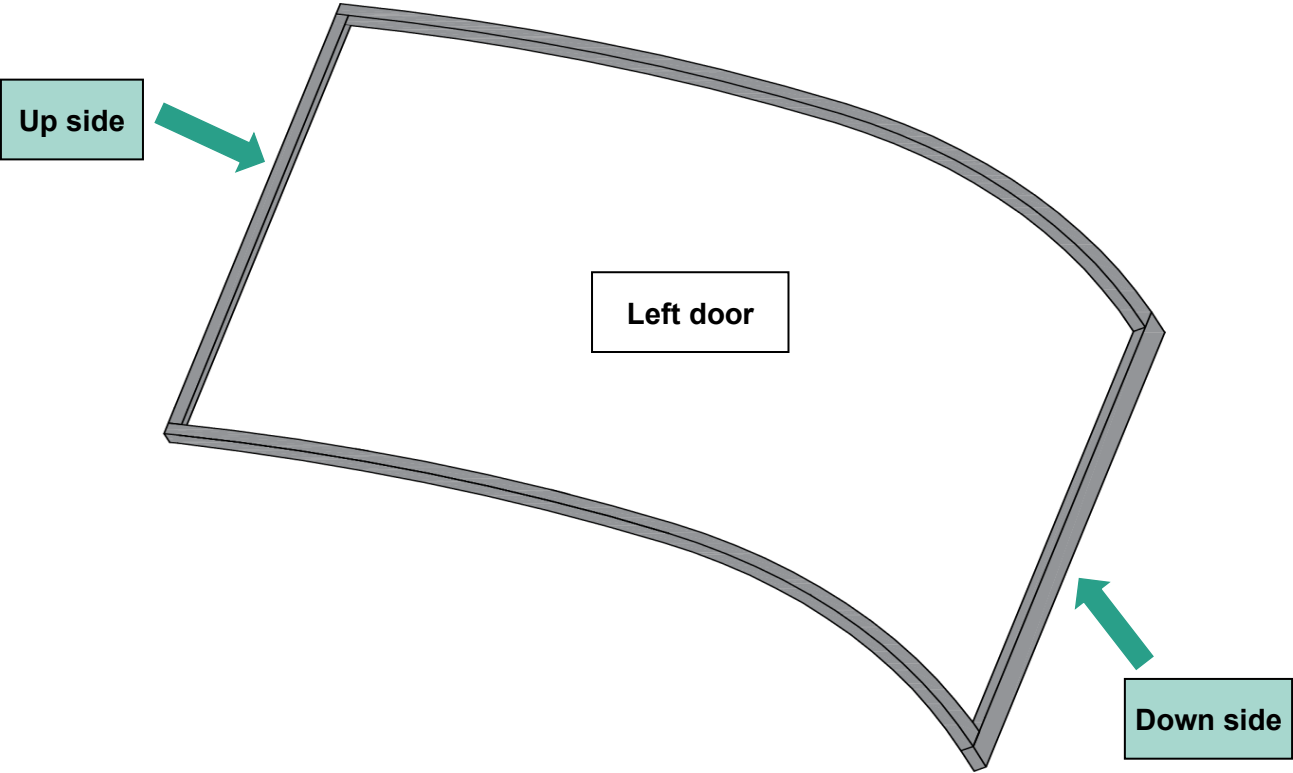


7.9

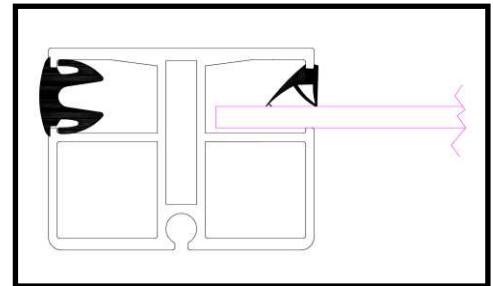


7.10





8.1



Rubbers for hide the gaps of the profiles with a similar look but different sizes as shown in the picture must be placed in the door frame. The smaller rubber must be inserted on both sides and on top, the larger rubber only on the bottom.

8.2



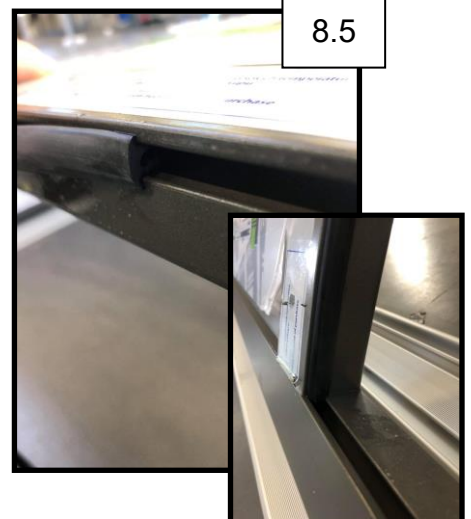
8.3



8.4



8.5



8. Building the lateral door.

Box 1, 2, 3.

8.6

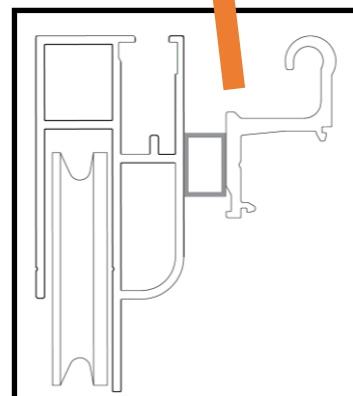


Peel off the foil before fixing the leading line.



To fix the rail use 5 pcs 6,3x32 mm torx screws. Recommended TX30 bit.

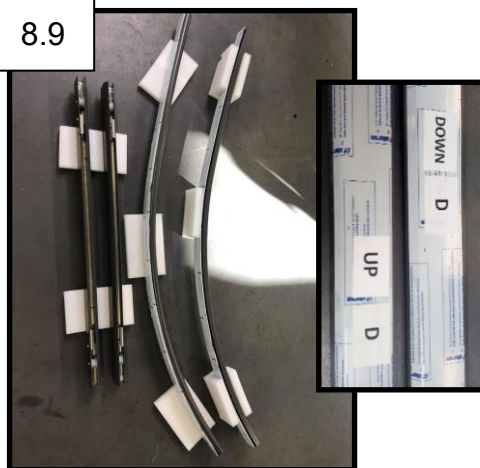
8.7



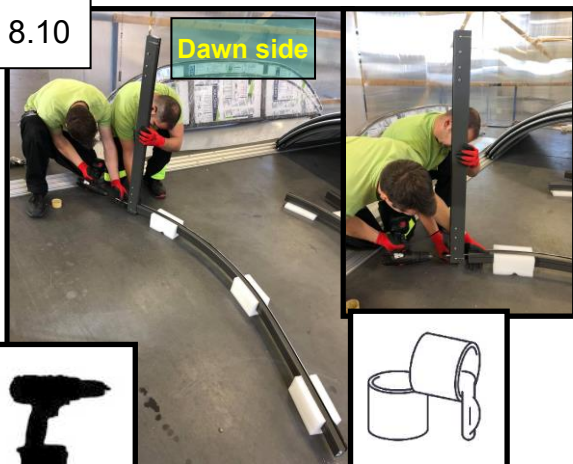
8.8



8.9



8.10



8.11



8. Building the lateral door.

Box 1, 2, 3.

8.12



8.13



8.14

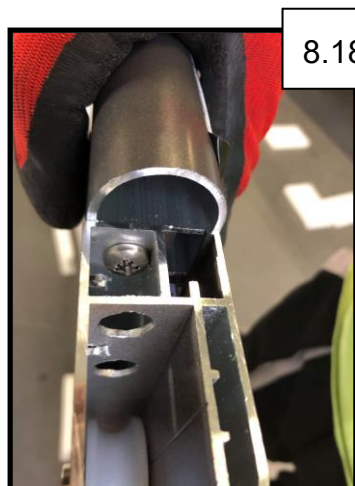


8.15



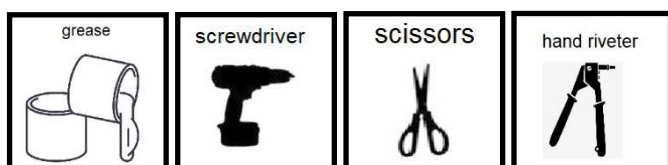
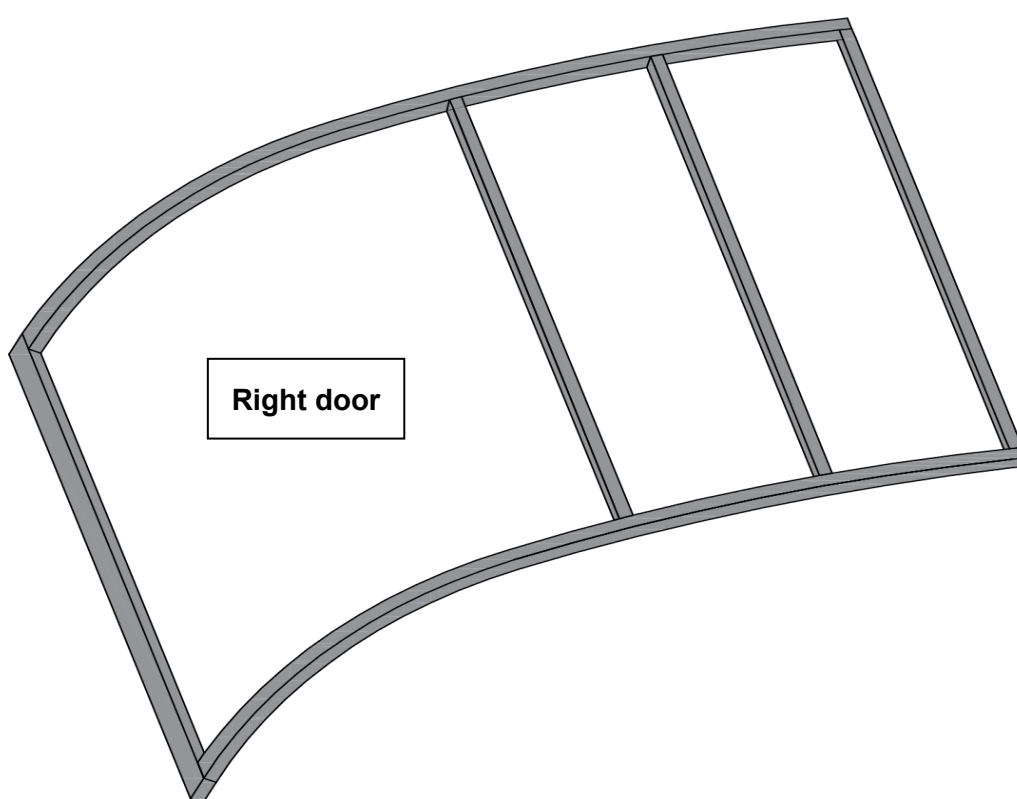
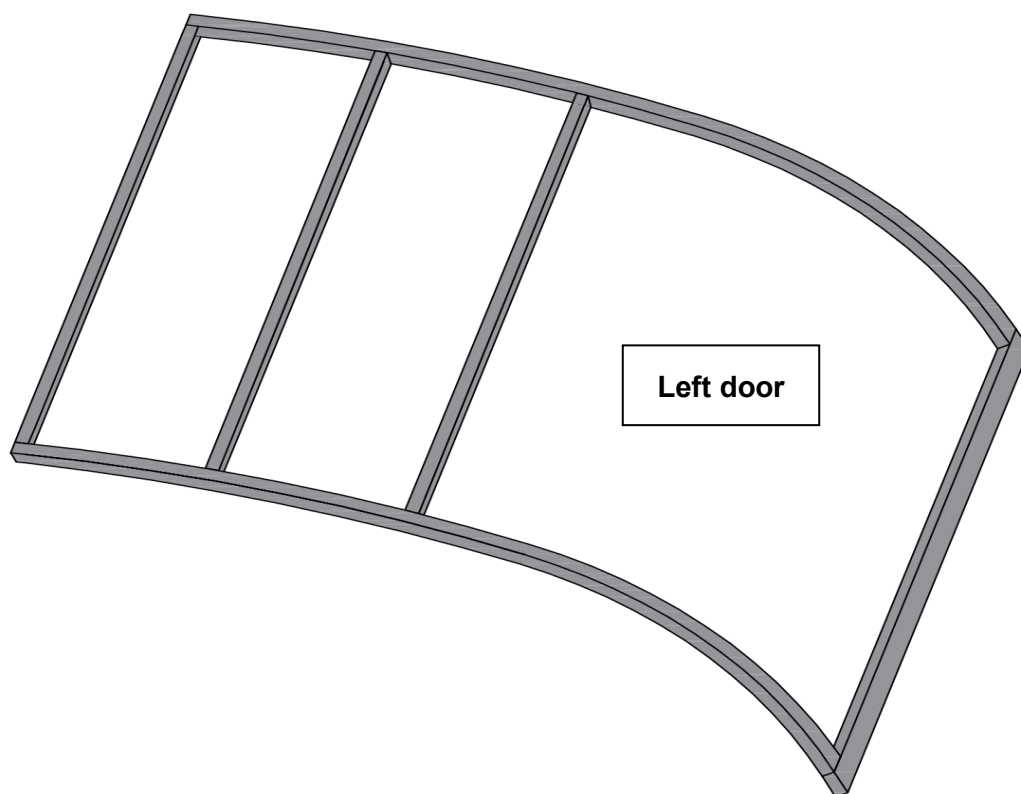
8.16

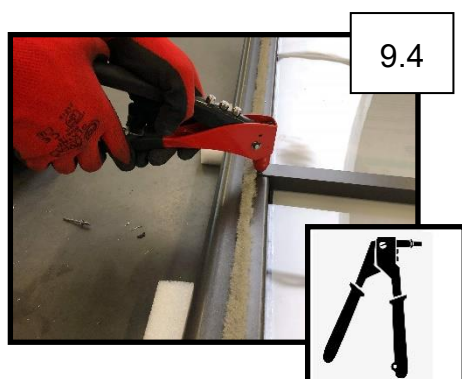
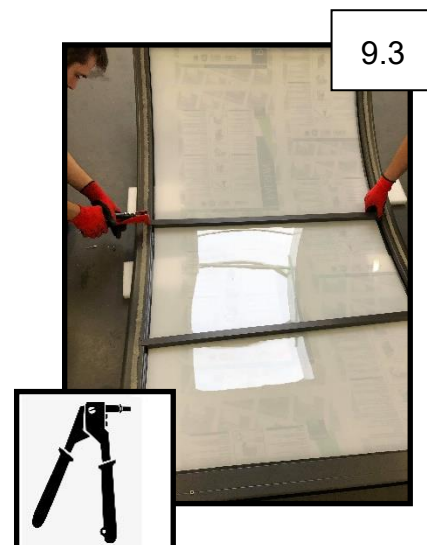
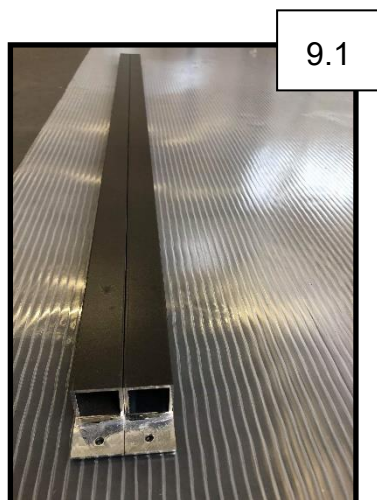




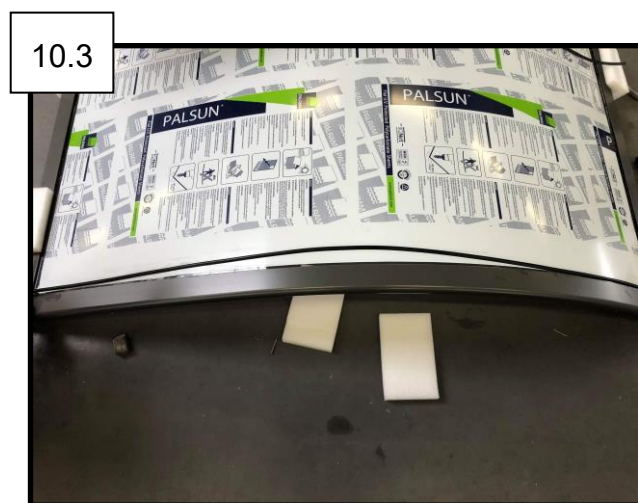
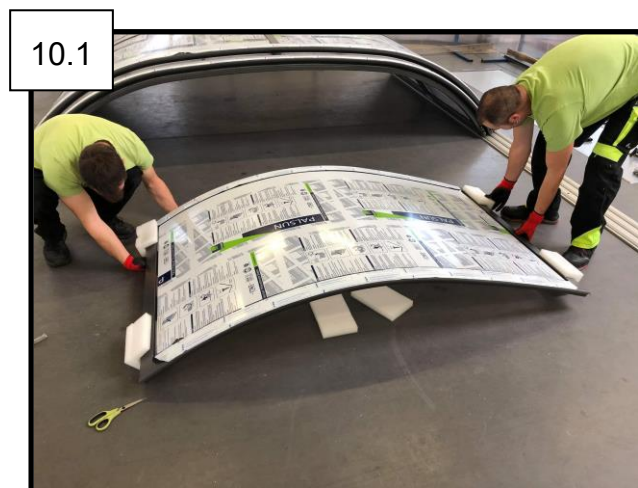
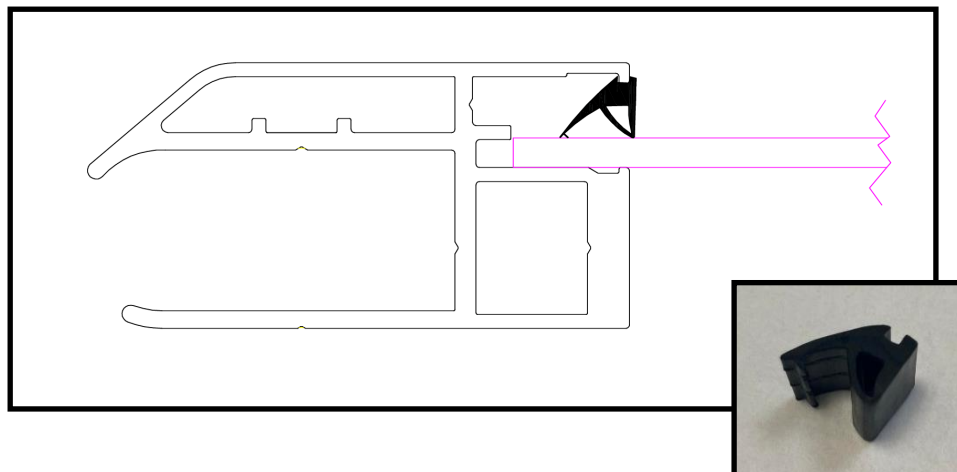
Use 6,3x50 mm screws. Recommended TX30 bit.







For this operation also use 4x10 mm rivets.



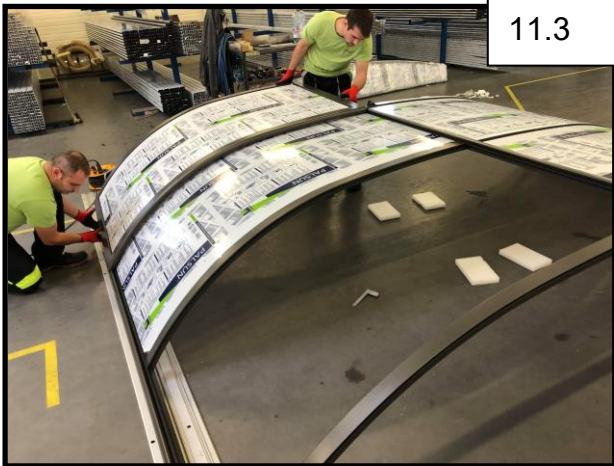
11.1



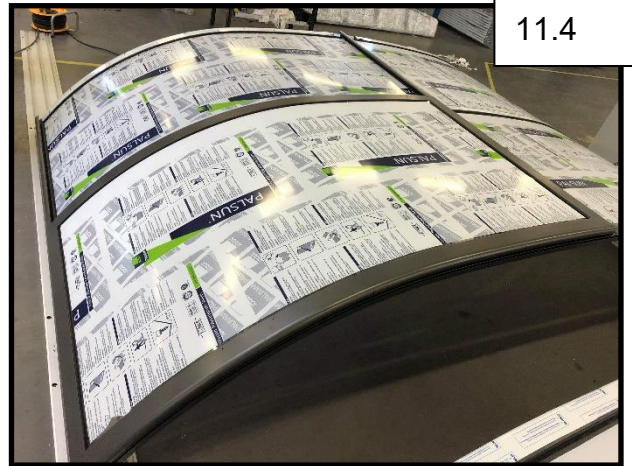
11.2



11.3



11.4



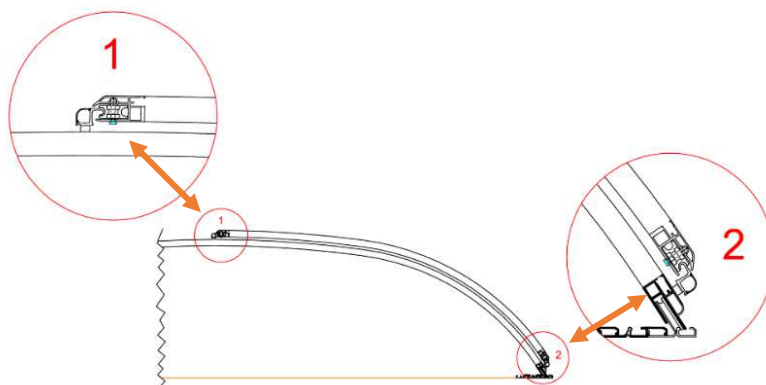
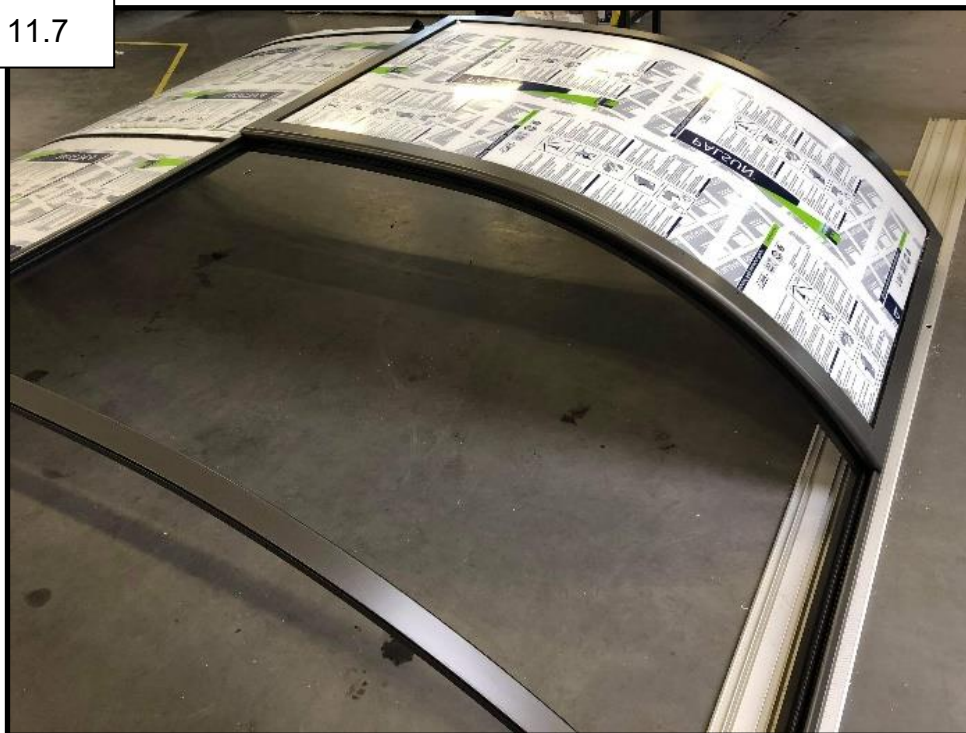
11.5



11.6

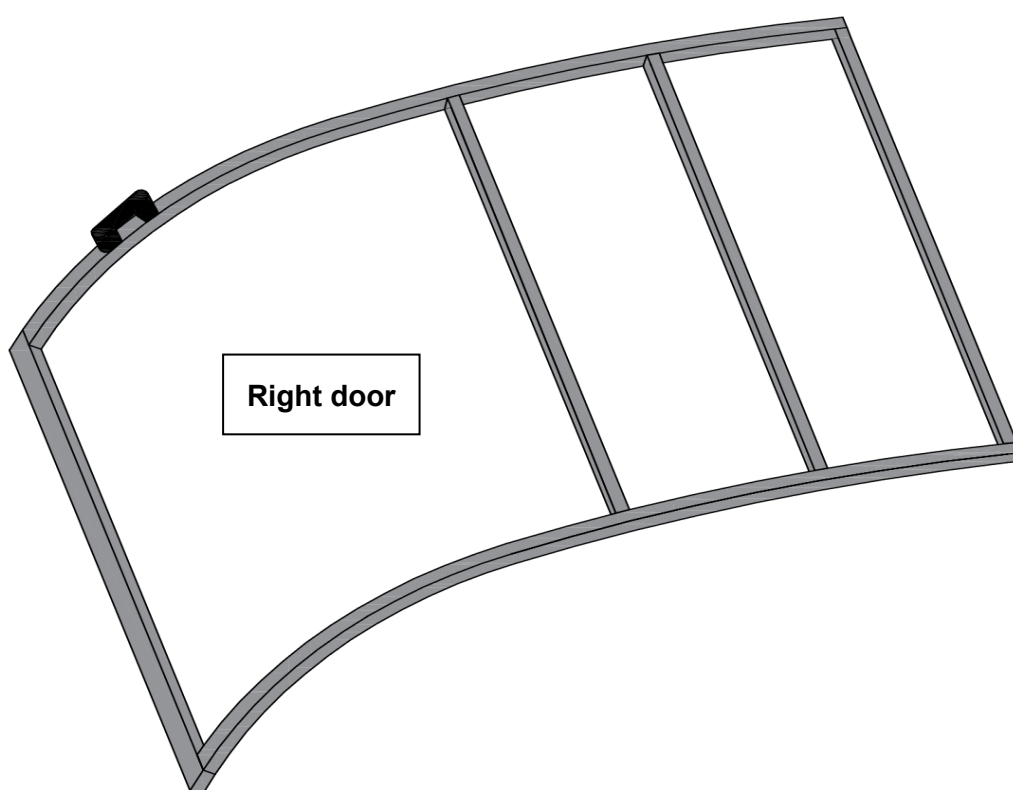
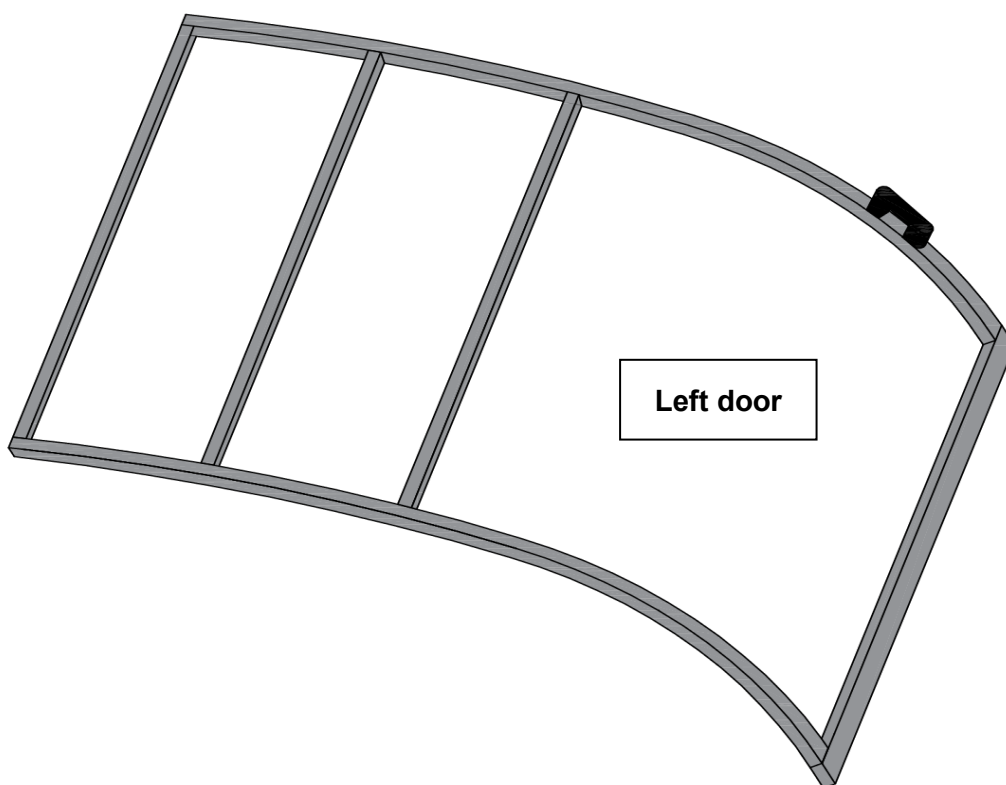


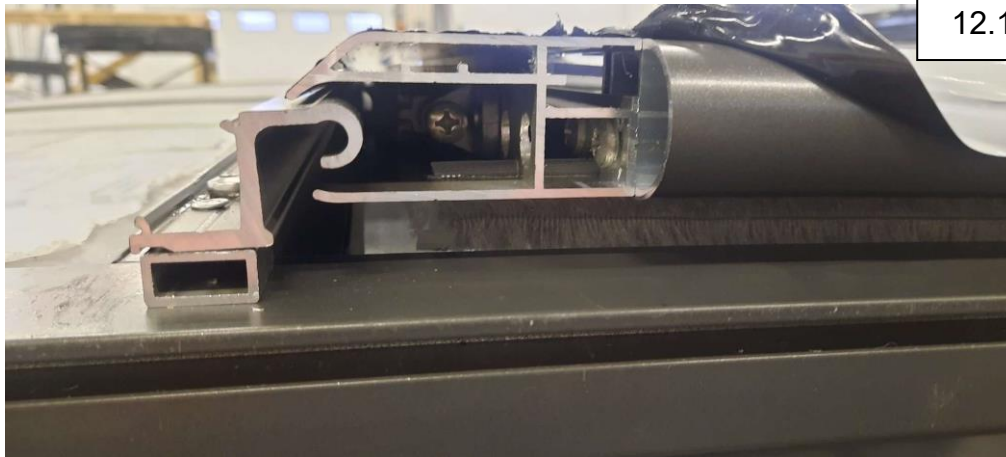
11.7



11.8

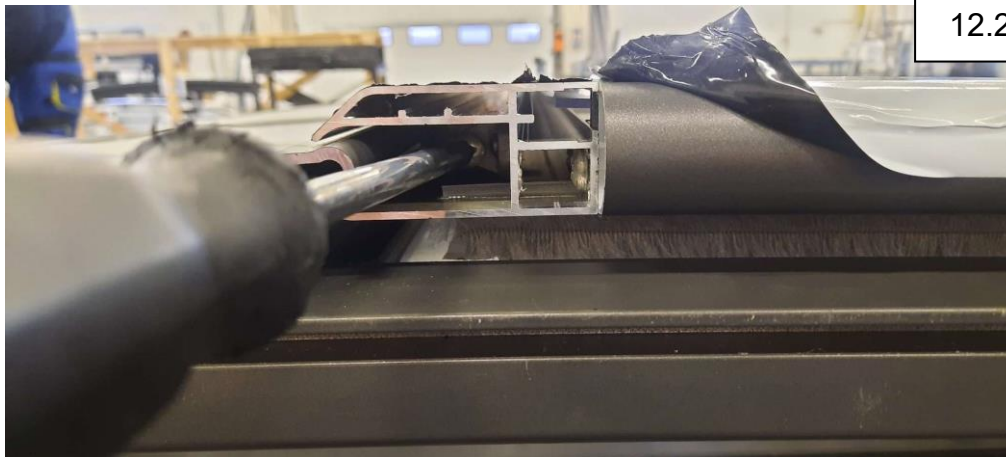






12.1

Adjust the top of the door with a screwdriver on each side so that the roller rests on the rail.



12.2

Then insert the end caps carefully with a rubber hammer.



12.3



12.4

12. Installing the lateral door and assembling the lock.

Box 1, 2, 3.

12.5



The handler with lock will here.

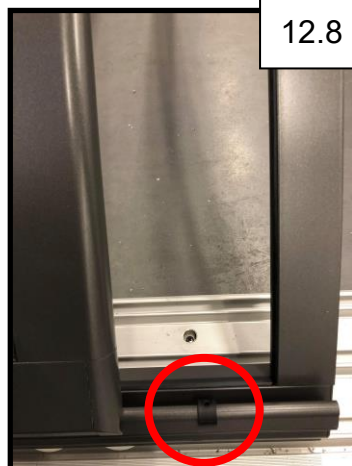
12.6



12.7



12.8

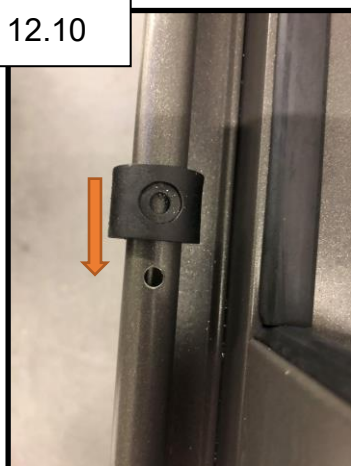


12.9



The bottom and the top bumpers.

12.10



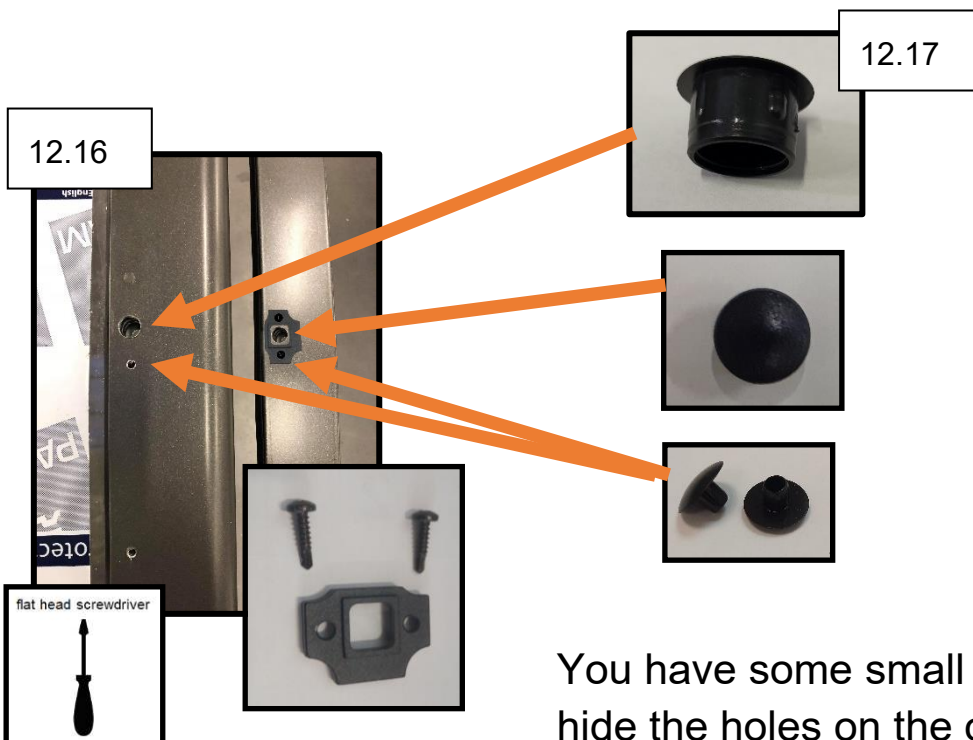
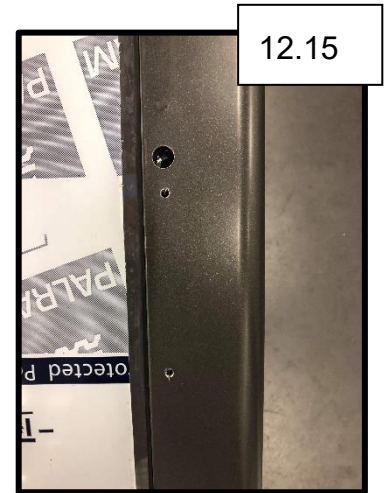
12.11



12.12

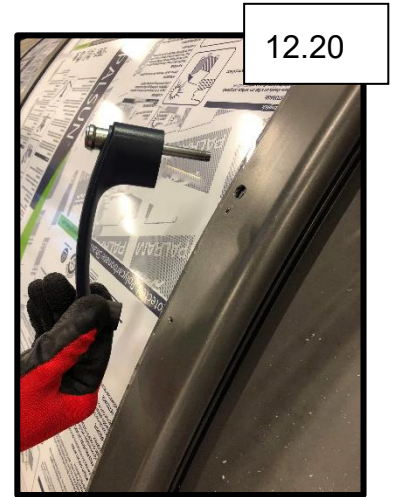
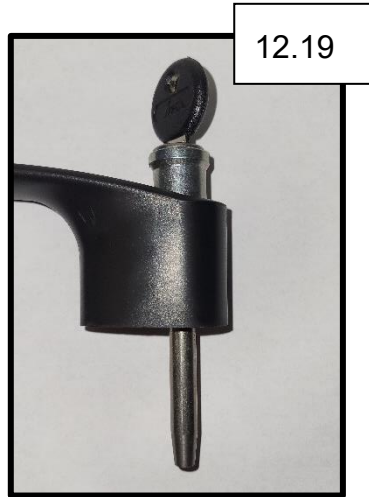


Use 4x10 mm black headed rivets.

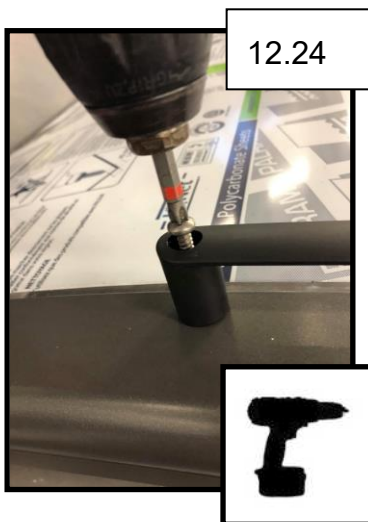
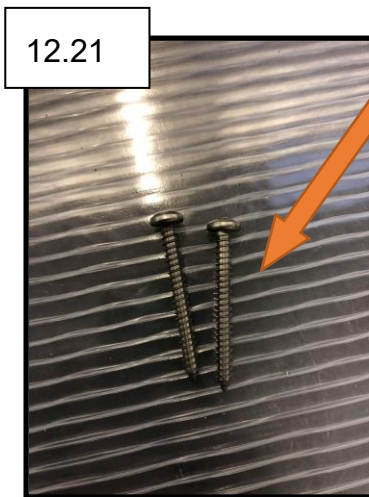


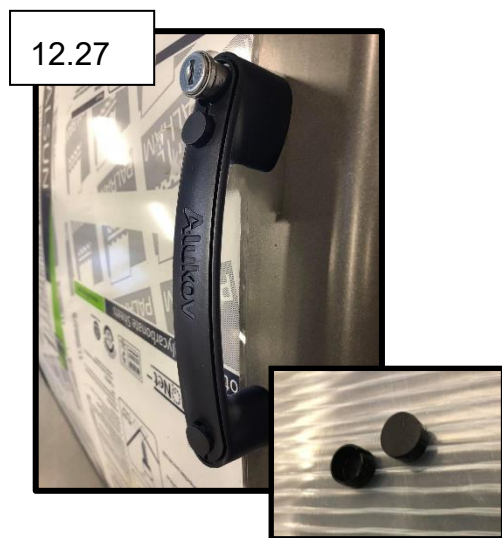
You have some small pieces of plugs that hide the holes on the other side.

The biggest plug is for the latch and tongue, the smaller is for the screw holes.



Use 5,5 x 50 mm screws. Recommended TX25 bit.





Use 6,3 x 32 mm screws. Recommended TX30 bit.



On the opposite side, insert a plug into the prepared holes in the inner handle.



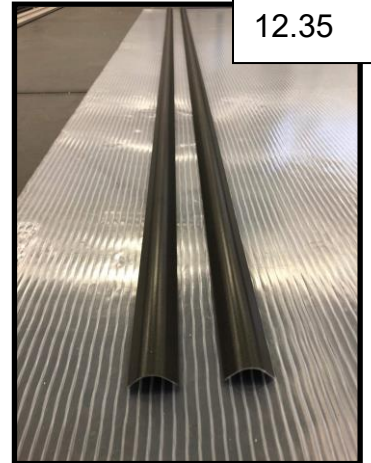
Use 2,9 x 13 mm screws.
Recommended PH1 bit.



12.34



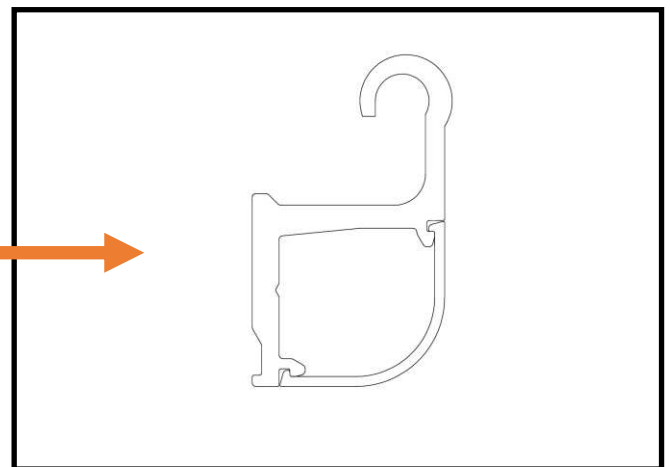
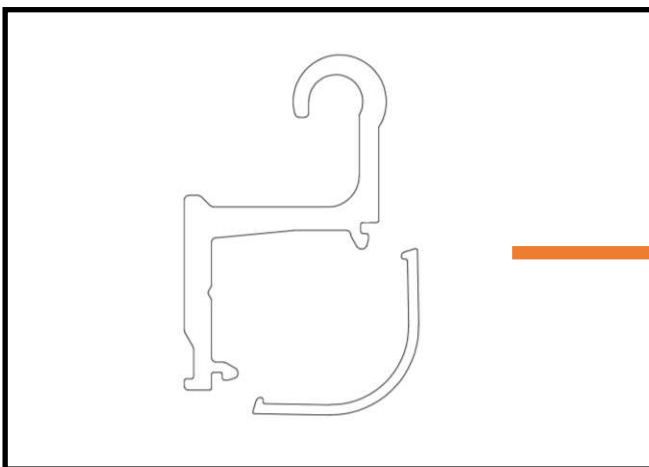
12.35

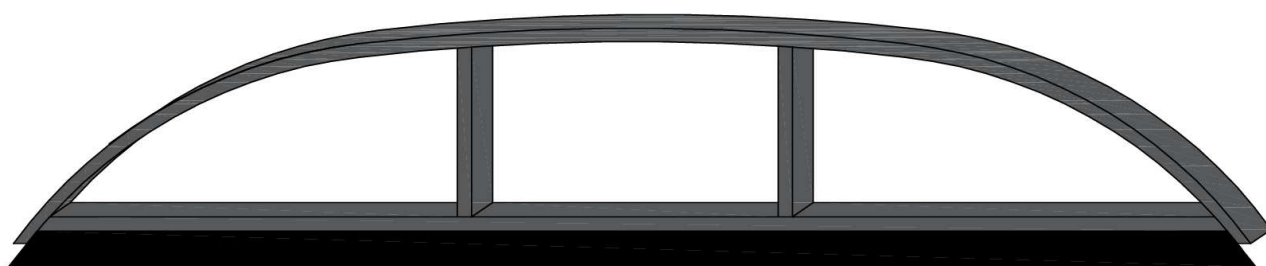


12.36

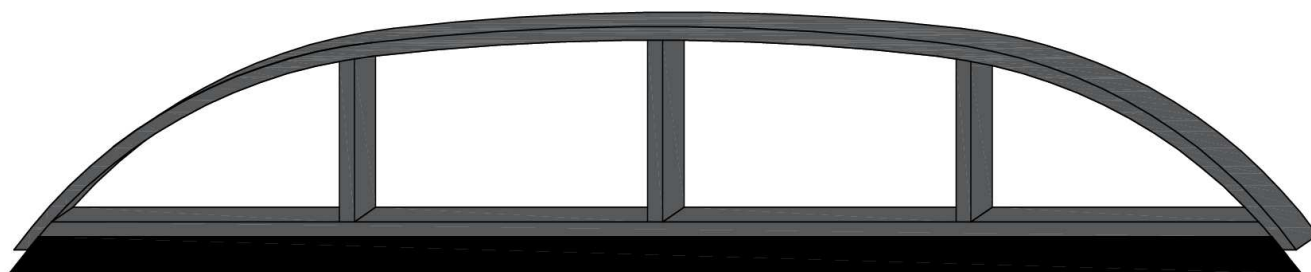


12.37





Box 1 and Box 2



Box 3



13.1



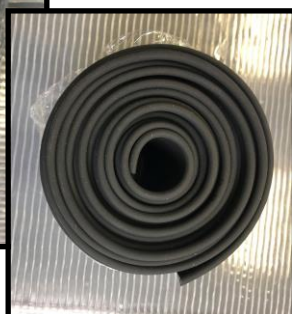
13.2



13.3



Type: S
(for small end wall)

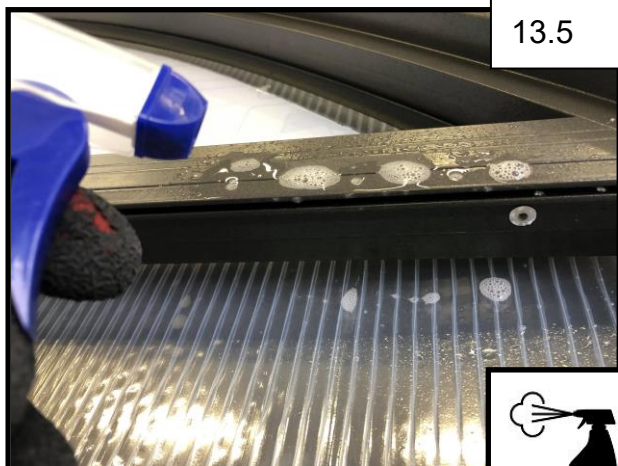


13.4



Use 3,9 x 6,5 mm screws. Recommended PZ1 bit.

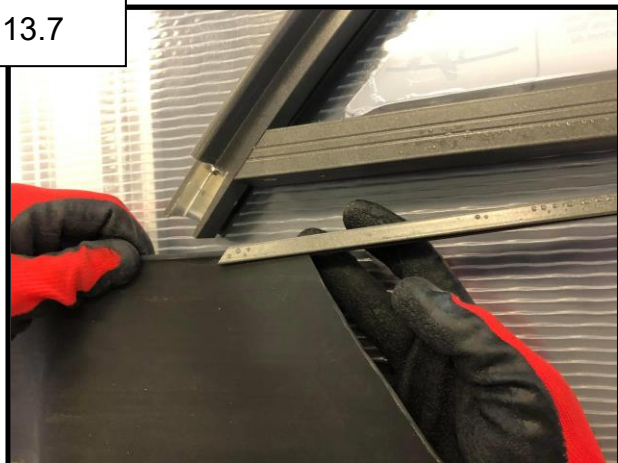
13.5



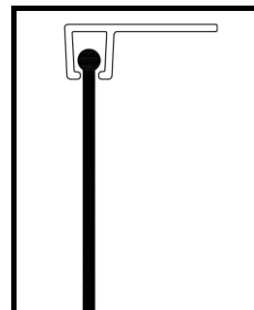
13.6



13.7



Place the end wall rubber next to the end wall, then carefully pull off the profile and pull over the end wall rubber.



13.8

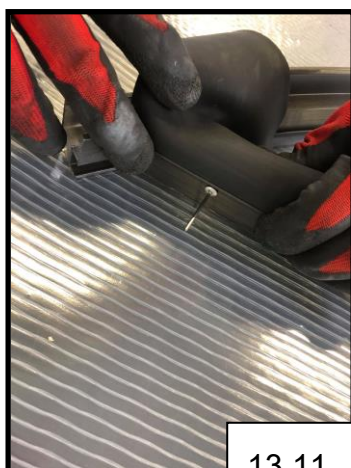


13.9

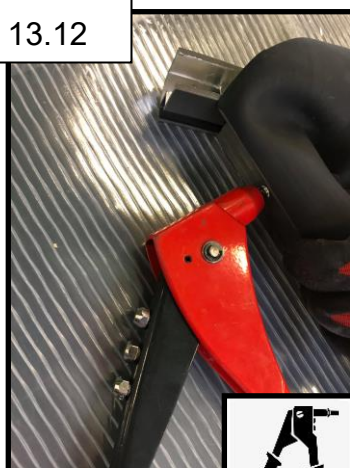


13.10

Use 4x10 mm rivets



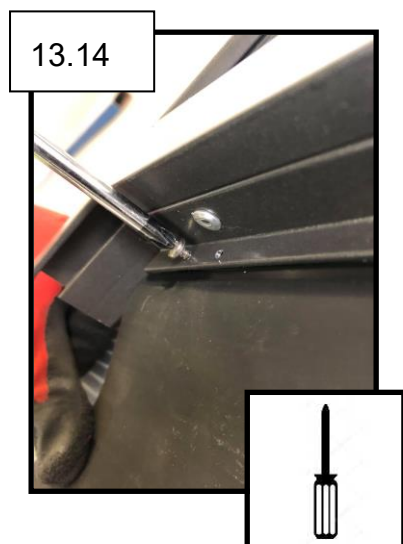
13.11



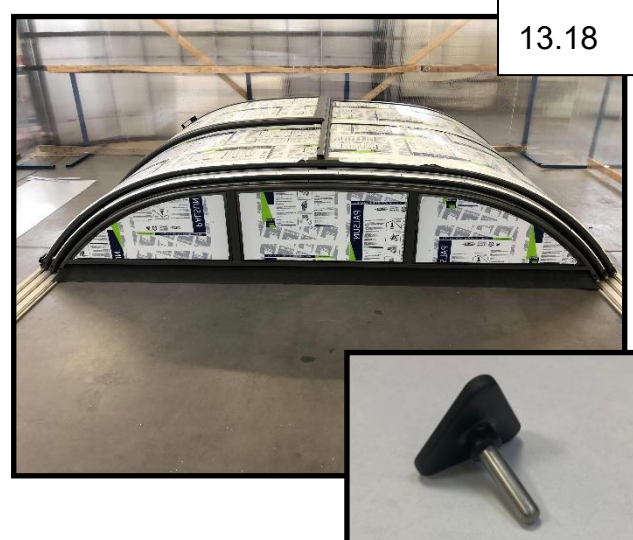
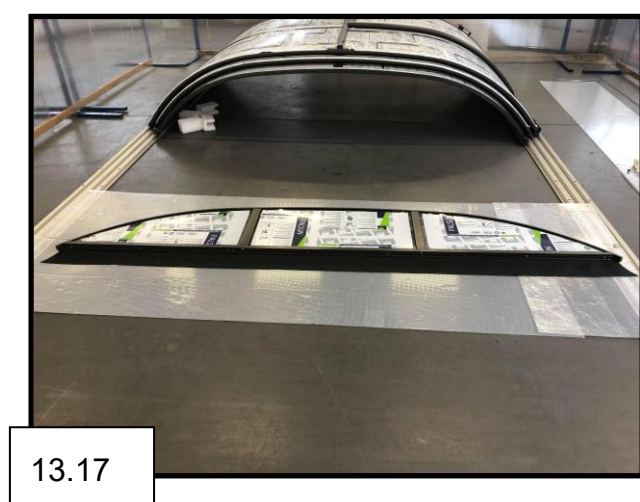
13.12



13.13

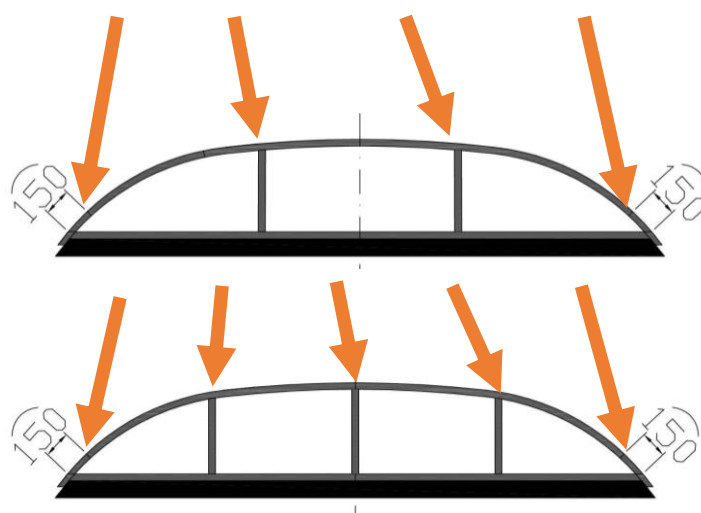
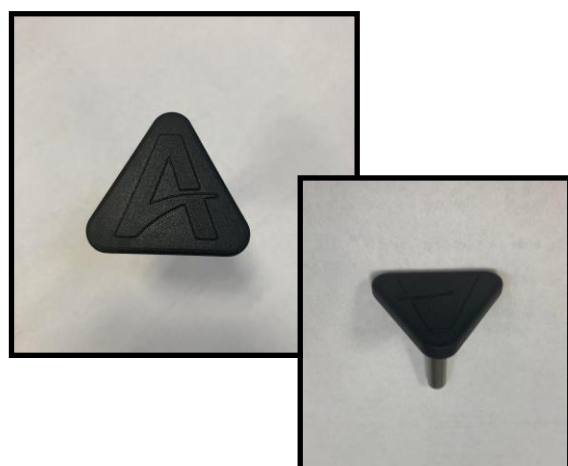


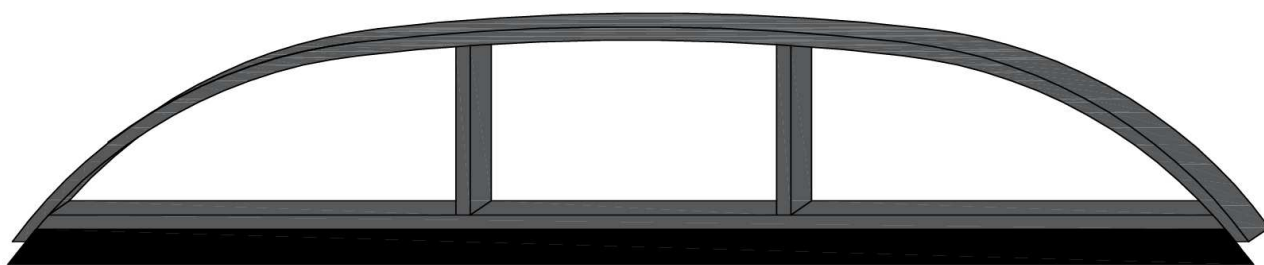
Fix the end wall rubber with 3,9 x 6,5 mm screws



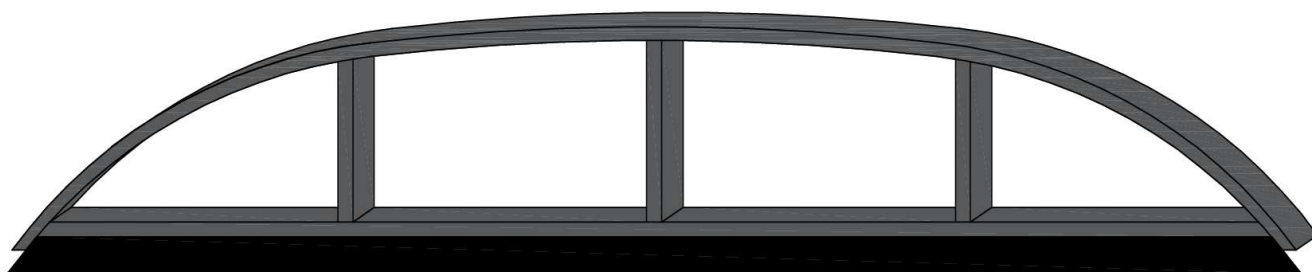
If you have Box 1 or Box 2, you have to place 4-4 spikes per end walls.

And if you have Box 3, you have to place 5-5 spikes per end walls.





Box 1 and Box 2

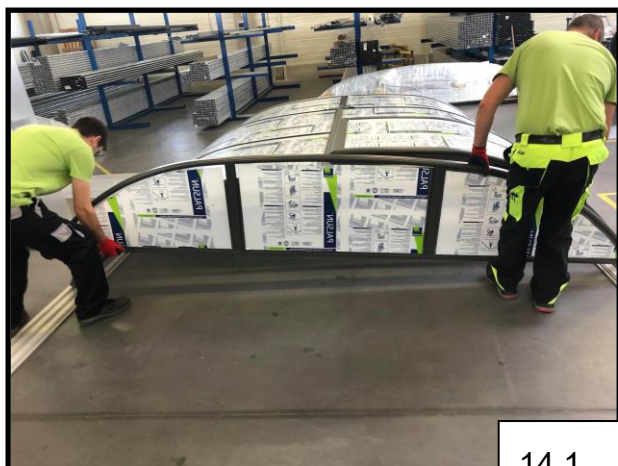


Box 3



14. Making the big end wall.

Box 1, 2, 3.



14.1



14.2

14.3



Type: B
(for big end wall)



14.4

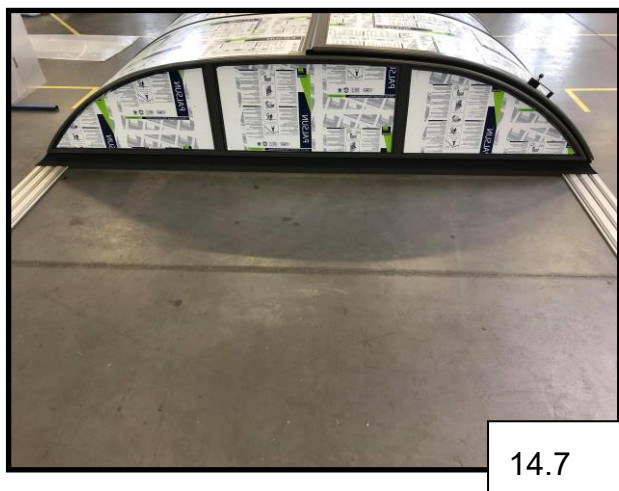


14.5

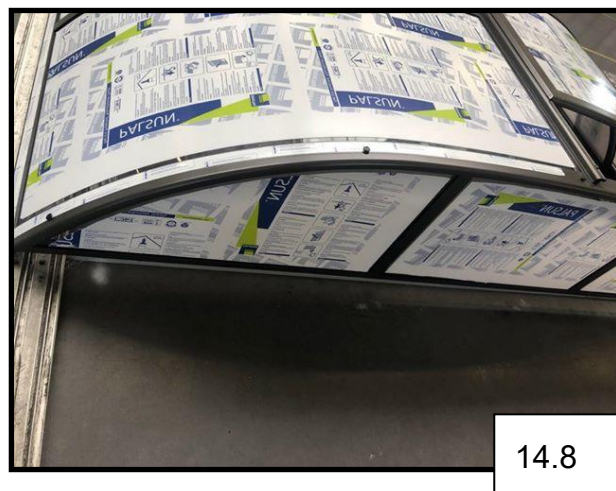


14.6

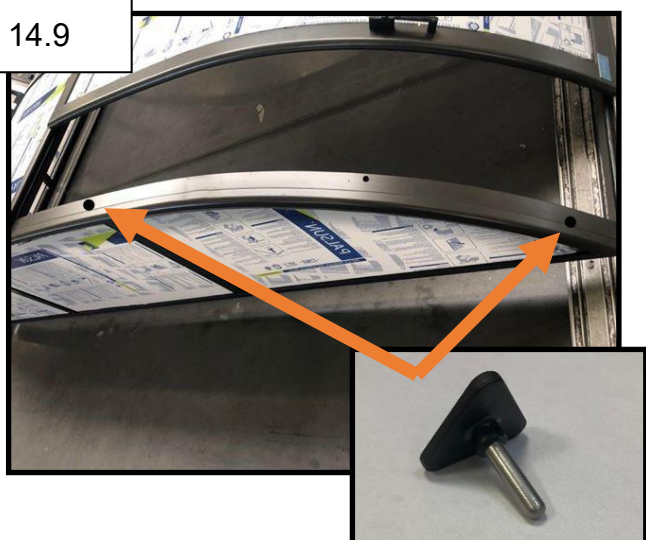
Fix the end wall rubber with 3,9 x 6,5 mm screws as on picture 12.14.



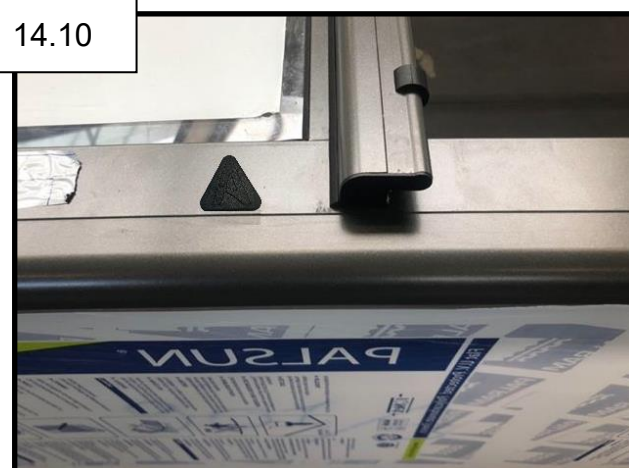
14.7



14.8



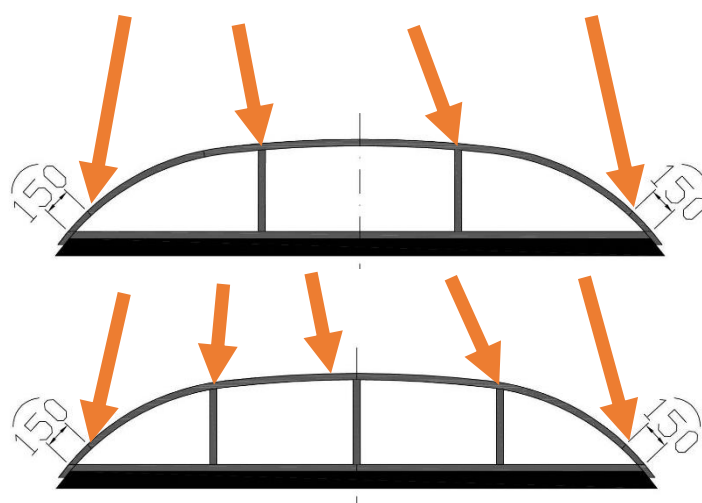
14.9



14.10

If you have type Box 1 or Box 2, you have to place 4-4 spikes per end walls.

And if you have Box 3, you have to place 5-5 spikes per end walls.



15. Installing the segment lock system.

Box 1, 2, 3.

Use 4 mm drill and 4x10 mm rivets for the lock.

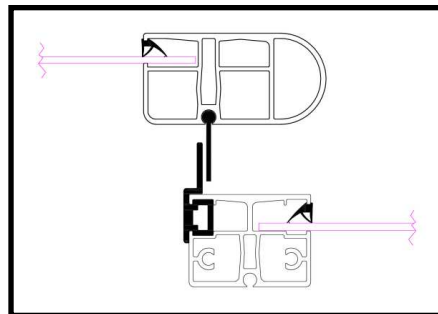
15.1



15.2

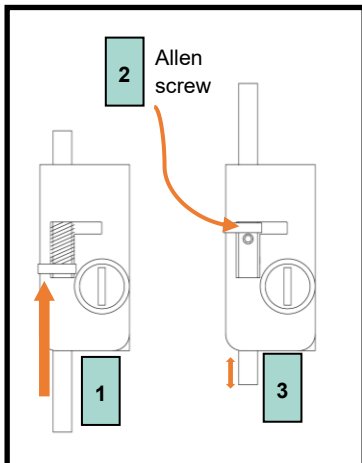


The segments should be fully extended and place the stators under the locks then fix them.



Pull up the handler, then loosen up the allen screw with 3,5mm allen key to set the length of the rod to fit into the stator. 1 mm gap should be left between the end of the rod and the rail.

15.3



15.4



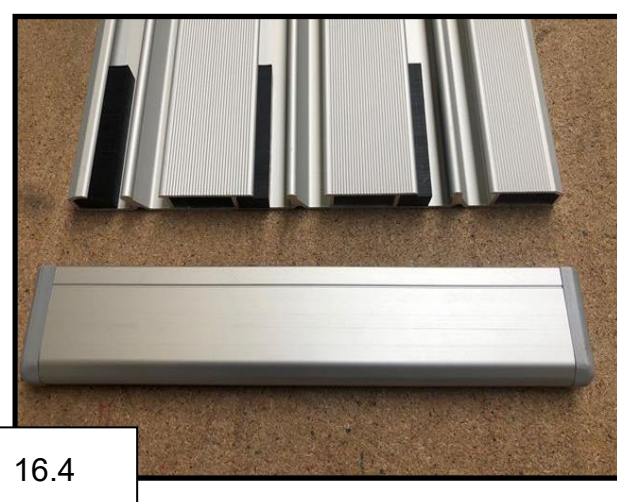
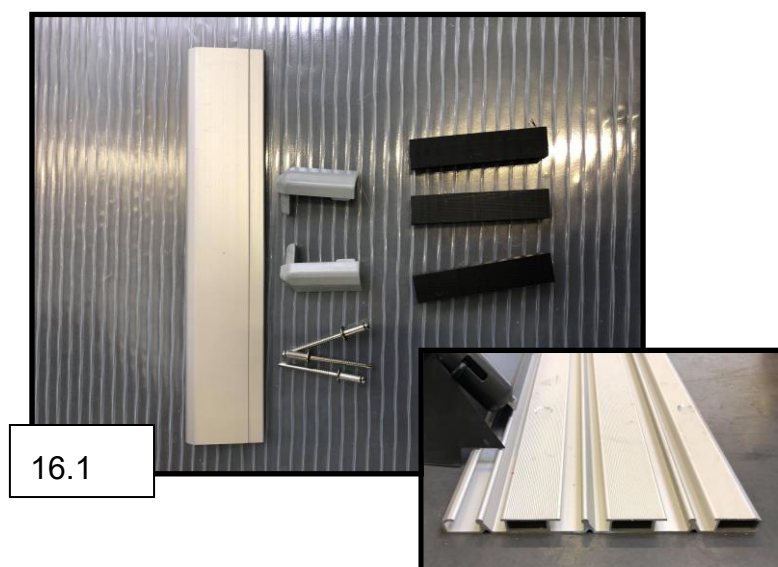
15.5



15.6

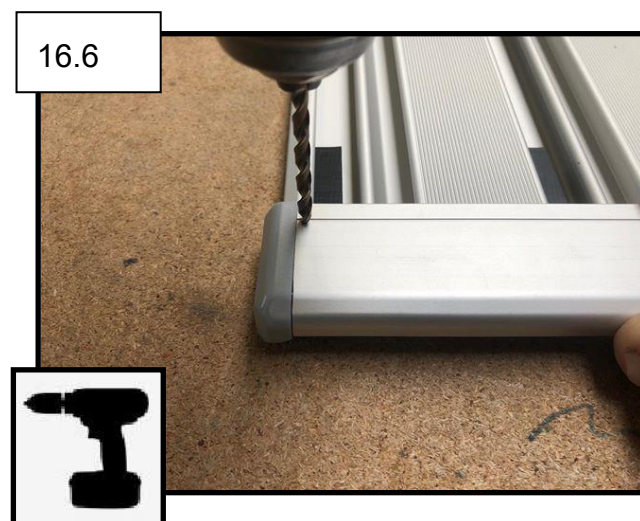


When you install the lock system, make sure the enclosure is pulled out to overlap the rubbers for the perfect insulation.



Place the rubbers at the end of the leading lines and fix with 4x10 mm rivets.

And then place the leading line closer at the end of the lines and fix with 4x10 mm rivets.



16.7



16.8



16.9



17.1



17.2



On any side, select the location of the lock in line with the vertical profile. Then you can drill the holes with 4 mm drill for the rivets and fix the lock.

17.3



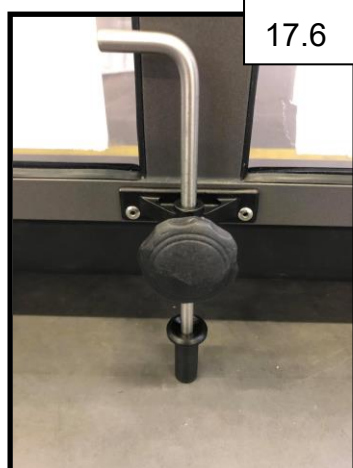
17.4



17.5



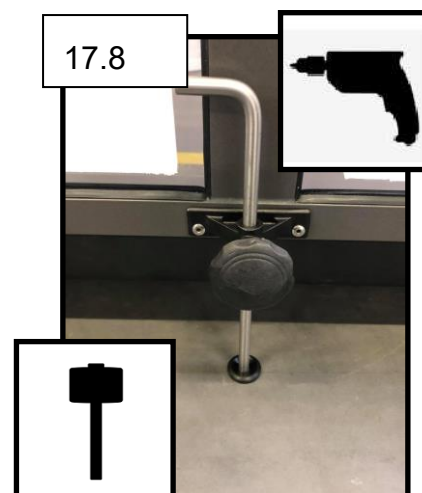
17.6



17.7



17.8



Install the locks with rivets, then you can move the enclosure to the MAX positions and mark the points for the nut.

After you marked the position of this nut, drill the ground with 15 mm width or diamond drill and insert it in with a rubber hammer.

18.1



18.2



After assembling, remove all foil!