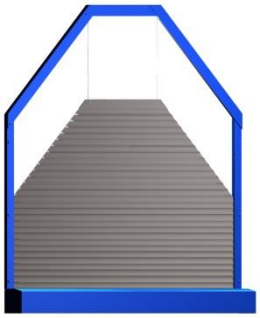
Assembly Instruction

Studio Star
Roller Shutter Type SIG
-Motor Drive-



	This assembly instruction contains important information on assembling roller shutters as well as important safety instructions. The assembly operation may only be carried out by specialized staff of Schanz Rollladensysteme GmbH or technicians especially authorized by Schanz Rollladen-systeme GmbH.

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Commission - Nr.	Date Installation and Instruction	Signature

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General Safety Information

This assembly instruction contains information for the correct installation of Schanz roller shutters. Due to the different types deviations may occur from this assembly instruction. However, this does not affect the security information.

Below described assembly steps may only be carried out by specialized staff of Schanz Rollladensysteme GmbH or technicians especially authorized by Schanz Rollladensysteme GmbH.

Adhere to the applicable regulations of the insurance association and take the necessary precautions for all work and consider the safety instructions in this document. Depending on accessibility, scaffoldings, ladders, fall protection devices, lifting devices and Personal Protective Equipment (e.g. safety helmet, safety boots etc.) are to be used.

Transport / Packaging / Unpacking

Depending on the route of transport and the expected conditions the roller shutter will be packed and the roller shutter jacket will be fixed in the roller shutter box. Depending on the type and size of the roller shutters they might be so heavy that a suitable load-carrying equipment and lifting tool has to be utilized.
Only use sufficiently dimensioned, safe and correctly fixated load-carrying equipment and lifting tools and avoid damages and injuries.
Check immediately if the product has been delivered without damage. Immediately complain about damaged roller shutters.

Removing the transportation protection:

Unscrew and open the cover of the roller shutter box	
Remove the foam sheets **<u>Caution</u>: The roller shutter jacket could unwind itself due to the initial tension within the drive system!**	
Remove entry mouth	
Remove the 4 slats which are connected to the jacket Put on the cover and screw it back	

Assembling / Installation/ Working on the facade

Each roller shutter is individually manufactured according to your window shape and size and must only be installed by Schanz Rollladensysteme GmbH or technicians especially authorized.

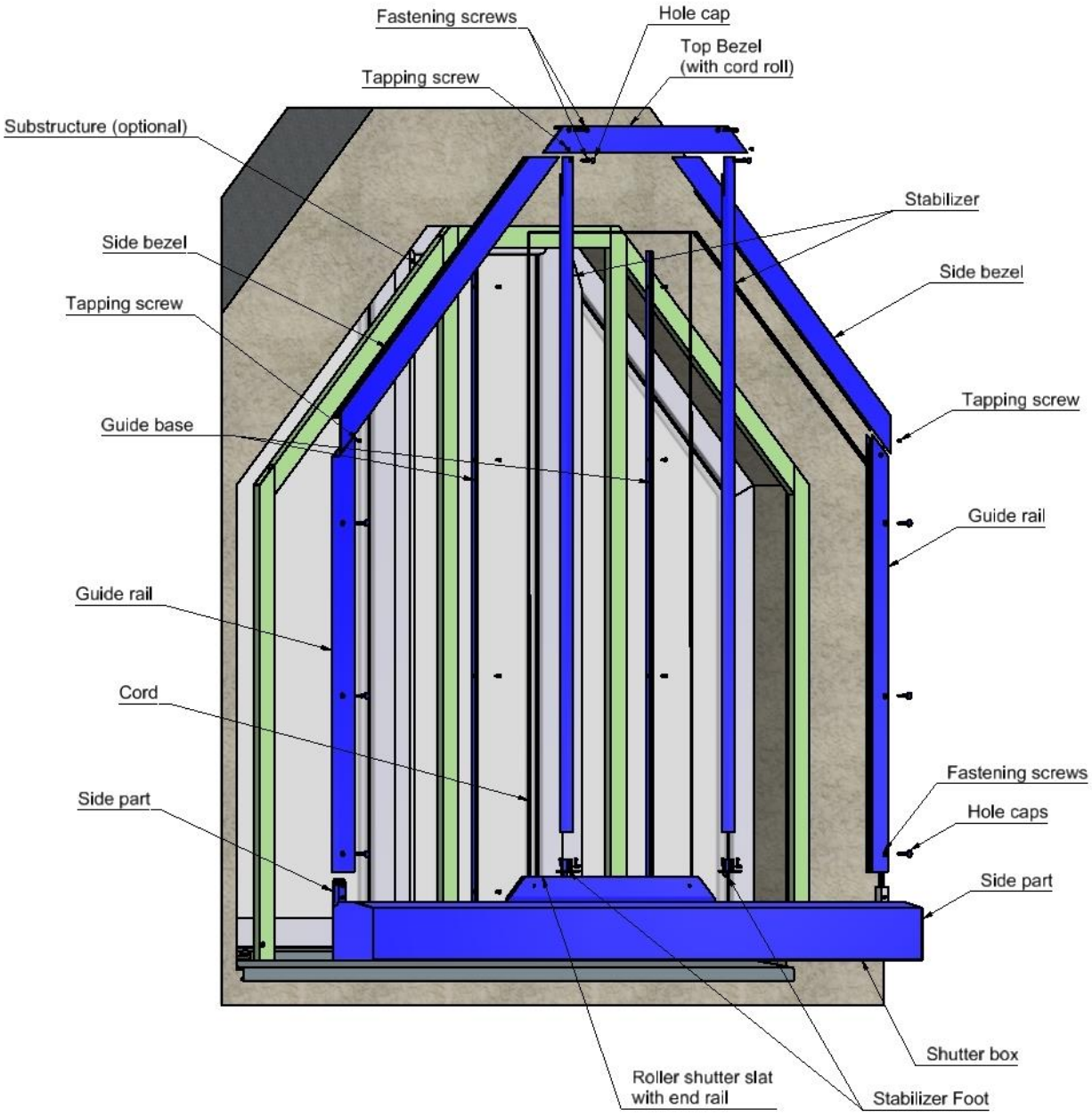
	The installation of the roller shutter has to be conducted following the information given in the assembly and safety instructions.

The installation of the roller shutters should only be conducted on ready-made rainproof facades!
The plastering of the roller shutter could lead to severe damages due to damp and furthermore make essential reparation difficult or even impossible.

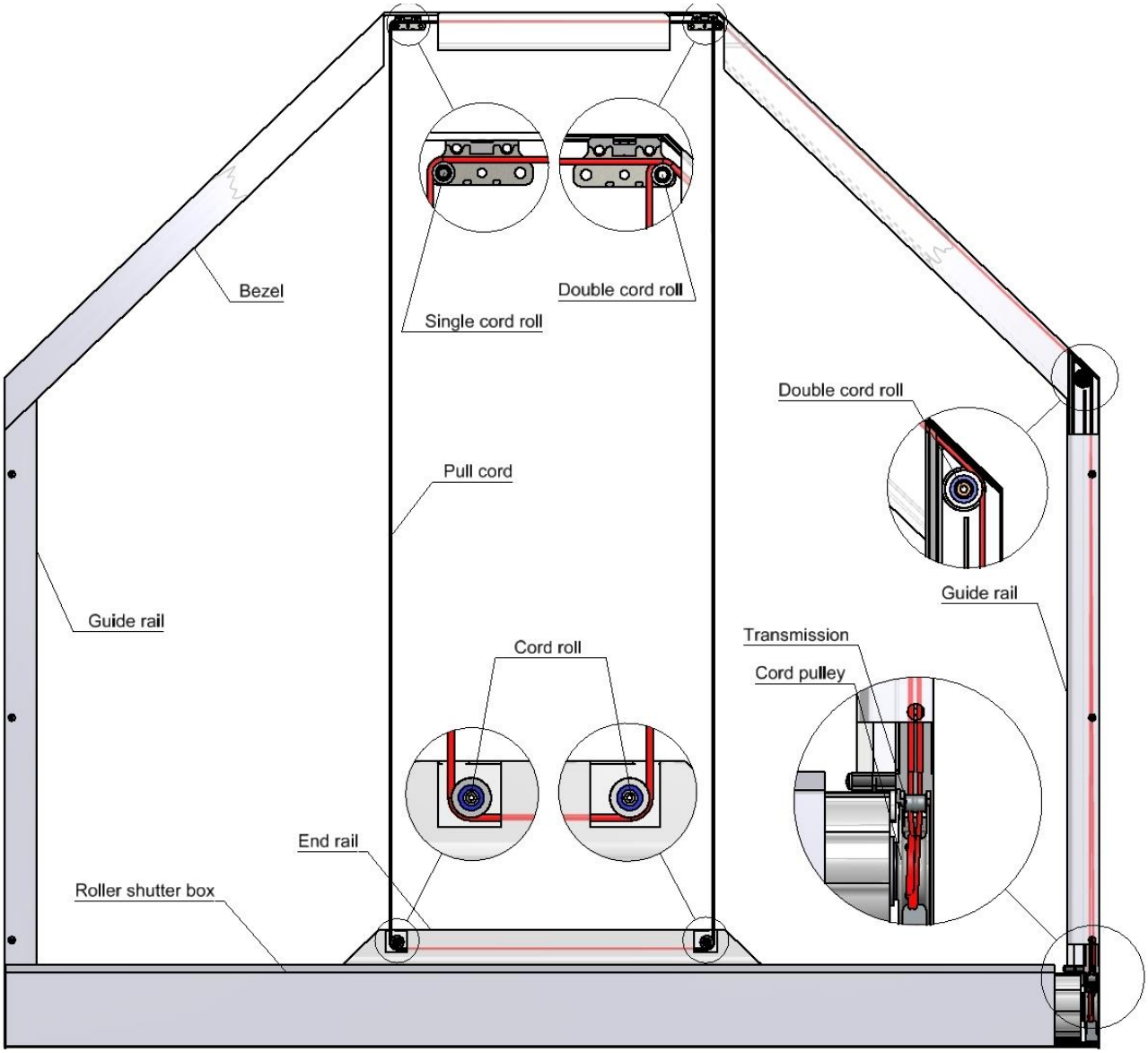
	The water drain holes on the bottom of the roller shutter box have to be clear at all times so that ingressed water can drain off! Under no circumstances may the shutter box be buried in the wall or stucco.

The roller shutter has to be fixed sufficiently and safe attuned to the ground!

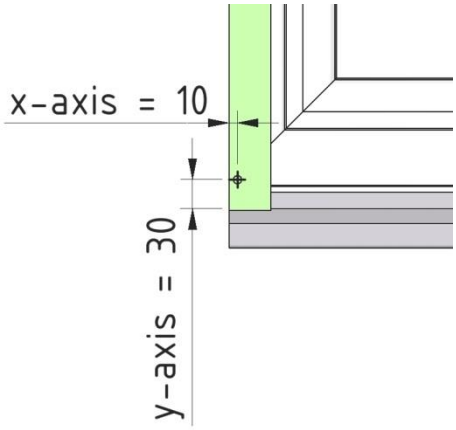
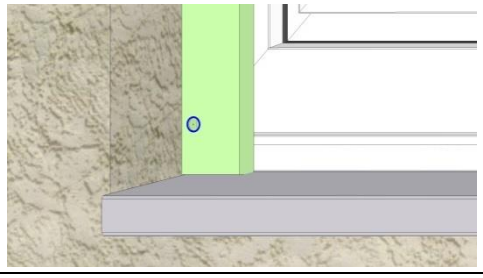
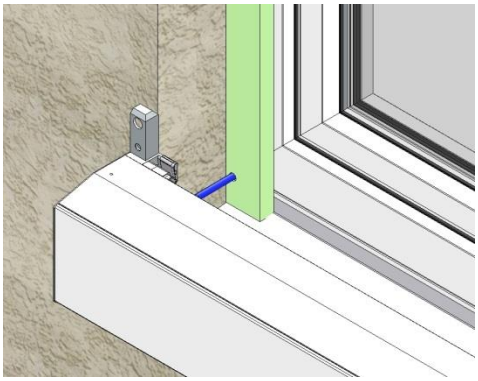
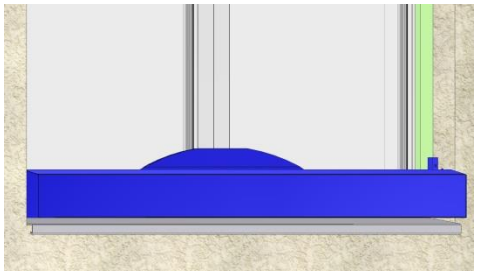
Assembly Drawing

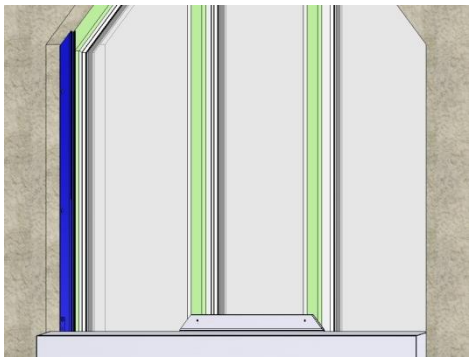
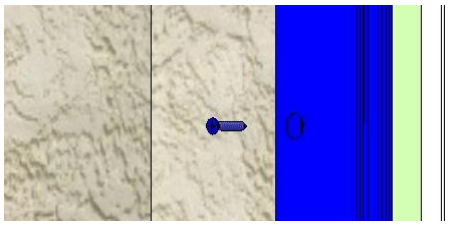
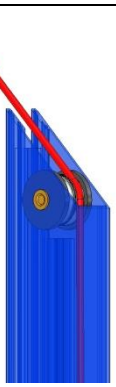
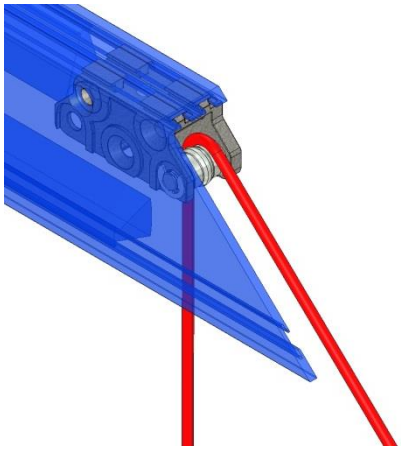
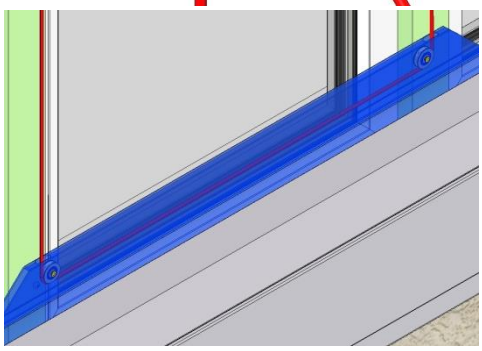


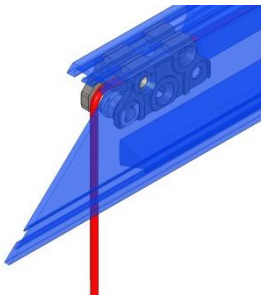
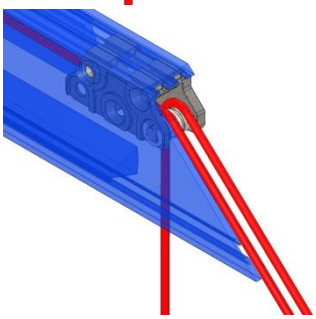
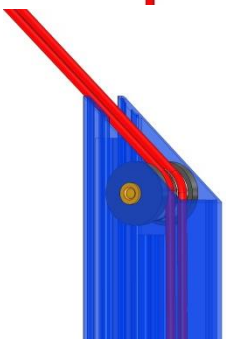
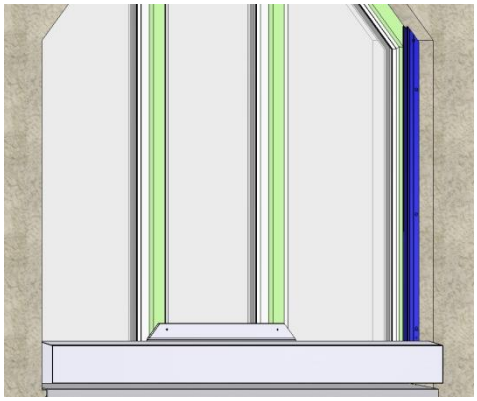
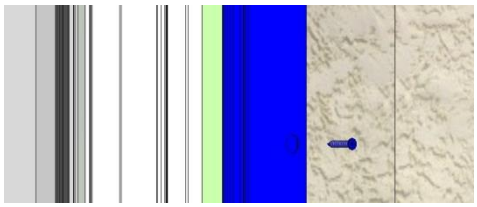
Cord Guidance

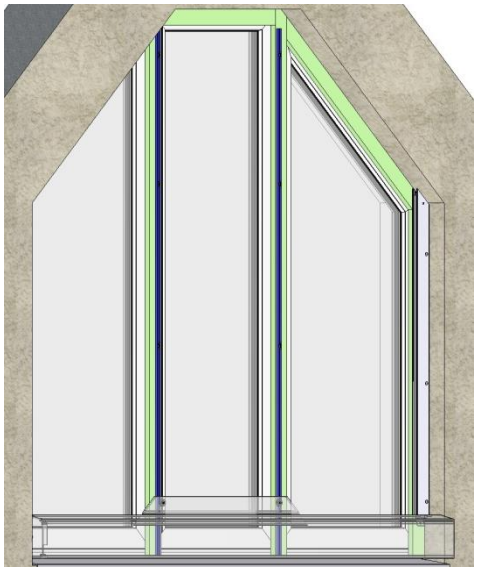
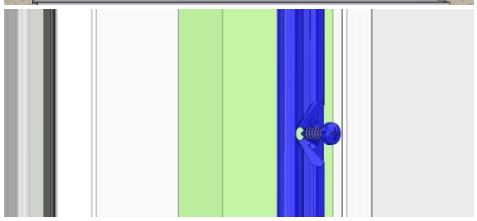
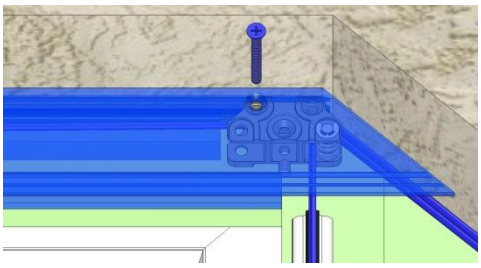
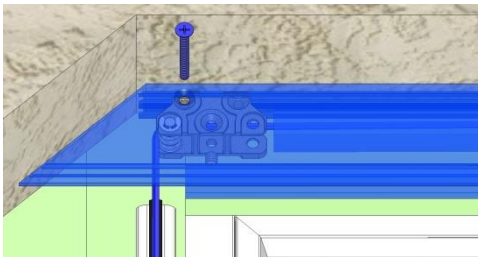
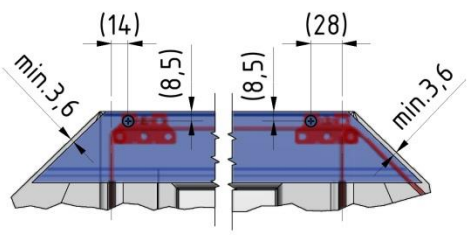


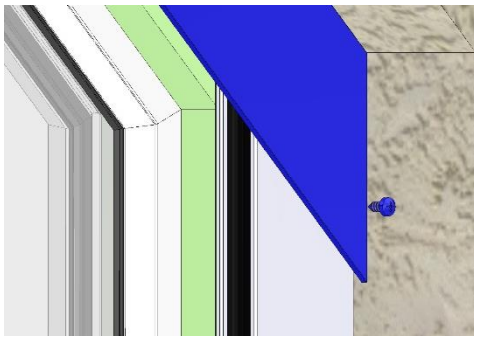
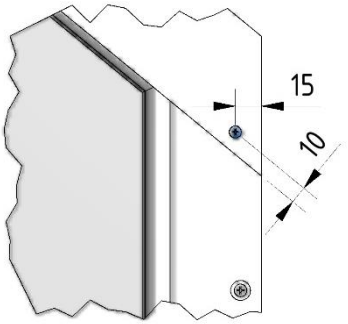
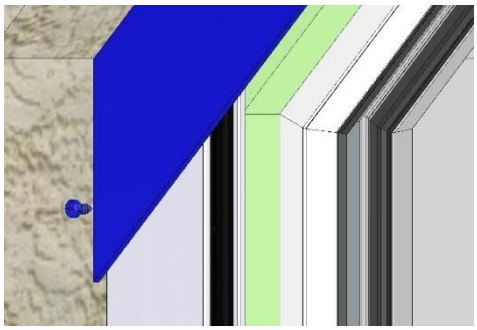
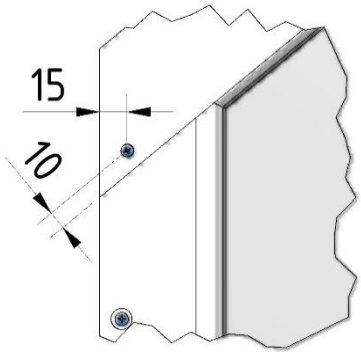
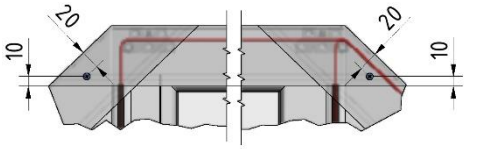
Description of the basic procedure

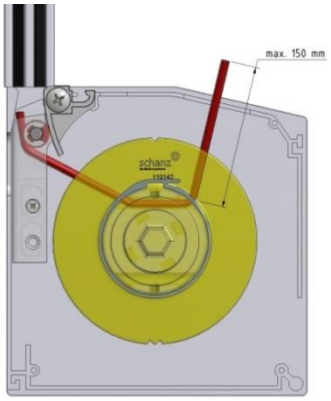
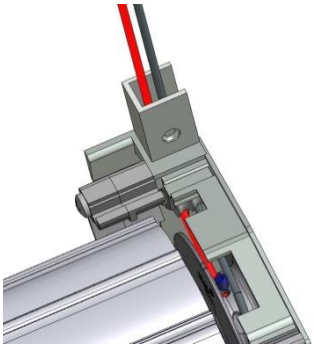
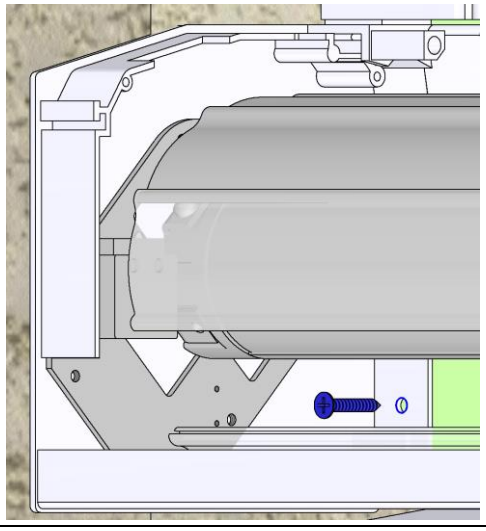
Step No.	Operation	Note	Check
	Check delivery for completeness		- Delivery is complete - Compare the goods with delivery note
00	Screw substructure to the window frame with appropriate fixing material	Optional	
10	Check the position of the cable outlet on the shutter box. Mark the hole for the cable routing on the window frame (optional substructure) - Basic Position: x-axis = 10 mm; y-axis = 30 mm		- Correct Position of cable routing
20	Drill cable routing through window frame (optional: substructure) with Ø 10 mm		
30	Lead cable through and align shutter box - Pass cable through and put the shutter box on the windowsill - Seal the hole with silicone - Check if the shutter box mounts horizontally on the windowsill using a spirit level. If necessary underlay the shutter box. - **The drainage holes on the bottom of the roller shutter must be free so that ingressed water can drain off.**	 	- Overlay is necessary

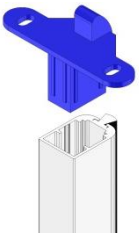
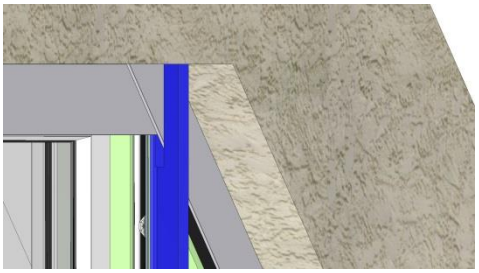
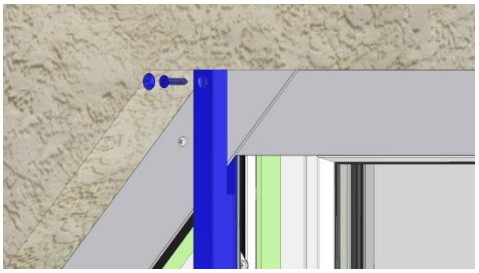
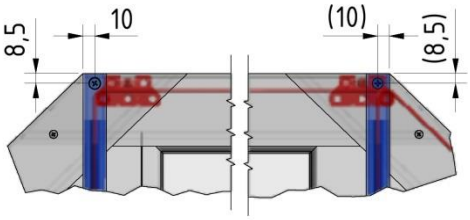
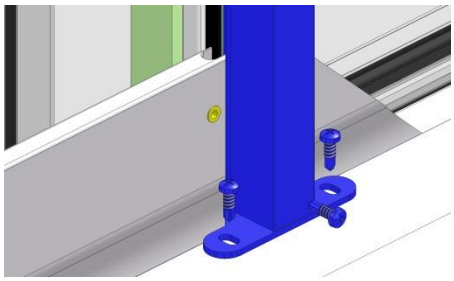
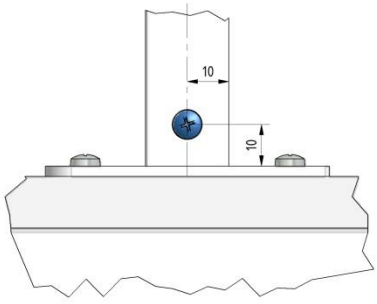
Step No.	Operation	Note	Check
40	Attach guide rail on the motor side - Put the guide rail on the box - Check the correct position using a spirit level - Screw the guide rail with appropriate fixing material and according to the number of fixing holes on the guide rail to the window frame (optional: Subconstruction)	 	
50	Pulling the cord through - Pull the cord through the guide rail with the double cord roll - Lead the cord over the cord roll into the bezel - Lead the cord below the cord roll through the end rail	  	

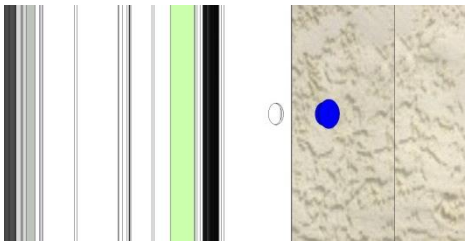
Step No.	Operation	Note	Check
50	- Lead the cord over both cord rolls into the bezel - Lead the cord back through the guide rail with the double cord roll	  	
60	Attach guide rail on the cord side - Put the guide rail on the box - Check the correct position using a spirit level - Screw the guide rail with appropriate fixing material and according to the number of fixing holes on the guide rail to the window frame (optional: Subconstruction)	 	- Do not damage the cord

Step No..	Operation	Note	Check
70	Attach Guide base - Push the guide base between roller shutter jacket and window frame (substructure) onto the bottom of the box and align it. - Screw the guide base with appropriate fixing material and according to the number of fixing holes on the guide rail to the window frame (optional: Subconstruction)	 	
80	Attach top bezel - If necessary adjust the position of the top cord roll (unscrew the grub screw beforehand and then tighten it again after correction) - Predrill a hole for the countersunk screw and lower it, then screw the bezel through the cord roll using appropriate screws, to the window frame (optional substructure).	   	- Position of the cord is perpendicular - Do not damage the cord - Mind the cord roll below the bezel - Mind the lateral distance of the top bezel to the soffit

Step No..	Operation	Note	Check
90	Attach side bezel to the guide rails - Attach the bezel and screw it with short tapping screws to the guide rail	   	- Do not damage the cord
100	Screw together the bezels - Align the bezels and screw them together with a drilling screw	 	- Do not damage the cord - Mind the cord roll below the bezel

Step No..	Operation	Note	Check
110	Attach the cord - Pull the cord through the corresponding hole in the cord pulley - Pull the cord completely until it is tight - Cut the cord at max. 150 mm behind the fastening screw - Melt the cord end with a cigarette lighter - Pull back the cord by the same measure and attach it - Tighten the fastening screws	 	- Cord is attached
120	Attach Roller shutter box - Unscrew the screws of the box lid and open the roller shutter box - Screw the roller shutter box on the left and the right side through the side part and back panel with appropriate fixing material to the window frame (optional: substructure) **To prevent the box from twisting due to the forces acting, it must be fastened.**	 	-

Step No..	Operation	Note	Check
	Note: It is recommended to perfom this step after setting the roller shutter.		
130	Install the stabilizer - Put the stabilizer foot into the stabilizer		- Mind the correct position
	- Push the stabilizer with the intended slit on the bezels		- Do not damage the cord
	- Predrill a hole for the countersunk screw, lower it and then screw together the stabilizer with the bezels using an appropriate screw. - Place the hole cap		- Mind the transmission parts below the bezel
			
	- Align the stabilizer and screw it with the provided drilling screws to the box - Screw together the stabilizer with the stabilizer foot.		- The end rail of the roller shutter jacket may not be clamped
			

Step No..	Operation	Note	Check
140	Completion of the installation - Place the hole caps according to the amount of anchor points on the guide rail		
	Setting the roller shutter according to the Operating Instructions “Electronic Motor”, “Wireless-Electronic Motor” or “Mechanical Motor” <u>Default delivery status:</u> (Drive with electric motor) - The system is preloaded - The motor is in learning mode **Attention: Please note the information labels on the roller shutter box!**		Final inspection: - The roller shutter is correctly attached and hole caps are available - Water drain holes are clear - Roller shutter is working - Instruction took place - Documentation handed over
	Connect the roller shutter according to the instruction „Connecting Diagram”		

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