

S4

CUSTOM DESIGN



FREESTANDING

PERGOLUX



Type Approved
Regular
Production
Surveillance

www.tuv.com
ID 1111317678



INFORMATION



INSTALLATION INSTRUCTIONS:

Ensure all parts are present and undamaged before starting the assembly.

Secure to a solid foundation with the correct fasteners for your foundation.

(If applicable) Install motors and wiring as shown. Ensure the electrical components are powered off during installation.

Use the correct lifting and installation equipment.

SAFETY WARNINGS:

Keep children and pets away during installation.

Do not operate the structure if parts are loose or improperly installed.

Ensure the structure is securely anchored to prevent accidents.

Do not insert fingers or any objects between the louvres.

MAINTENANCE:

Regularly clean the aluminum structure to maintain its appearance and prevent the accumulation of dirt.

Also, make sure to clean the gutters regularly. Inspect moving parts for wear and lubricate as necessary.

Check anchor points periodically to ensure stability.



INSTALLATIONSANLEITUNG:

Stellen Sie sicher, dass alle Teile vorhanden und unbeschädigt sind, bevor Sie mit der Montage beginnen.

Befestigen Sie sie mit den richtigen Befestigungselementen für Ihr Fundament auf einem soliden Fundament.

(Falls zutreffend) Installieren Sie Motoren und Verkabelung wie gezeigt. Stellen Sie sicher, dass die elektrischen Teile während der Installation ausgeschaltet sind.

Verwenden Sie die richtige Hebe- und Installationsausrüstung.

SICHERHEITSHINWEISE:

Halten Sie Kinder und Haustiere während der Installation fern.

Betreiben Sie die Struktur nicht, wenn Teile lose oder nicht richtig installiert sind.

Stellen Sie sicher, dass die Struktur sicher verankert ist, um Unfälle zu vermeiden.

Stecken Sie keine Finger oder andere Gegenstände zwischen die Lamellen.

WARTUNG:

Reinigen Sie die Aluminiumstruktur regelmäßig, um ihr Aussehen zu erhalten und die Ansammlung von Schmutz zu verhindern.

Reinigen Sie auch die Dachrinnen regelmäßig. Überprüfen Sie bewegliche Teile auf Verschleiß und schmieren Sie sie bei Bedarf.

Überprüfen Sie die Ankerpunkte regelmäßig, um die Stabilität sicherzustellen.



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36043 Fulda,
Germany

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DOP-PRO-FSWM-S4

EN 13561:2015

Pergolux Pergola PRO S4

**External use in buildings and other
construction works**

Resistance to wind loads: Class6(EN13561)

SYMBOL EXPLANATION



Indicates the outside of the pergola structure.



This step may require extra force.



Indicates the inside of the pergola structure.



Key information to follow during installation.



Important! Be cautious when assembling or handling this part.



This item must be purchased separately.



Required tools for assembly.



Apply lubricant to make screw assembly easier.



Ensure grounding is connected before powering up.



Do not use a regular hammer, as it may cause damage.



Align slats according to sunlight direction for optimal shading.



AC Input



Repeat this step as many times as the number indicates



Motor



Turn around



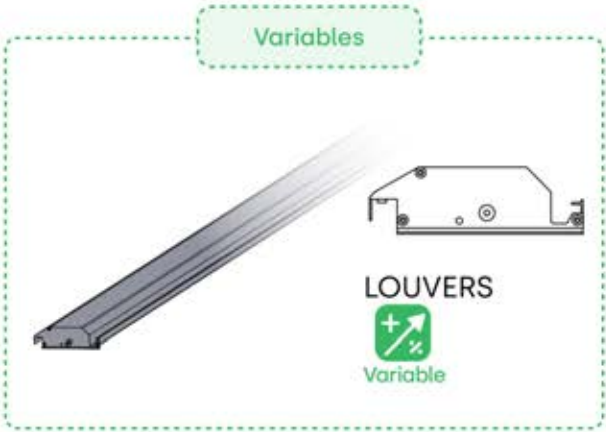
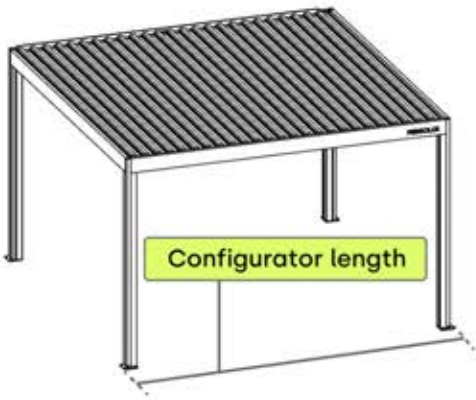
Variables



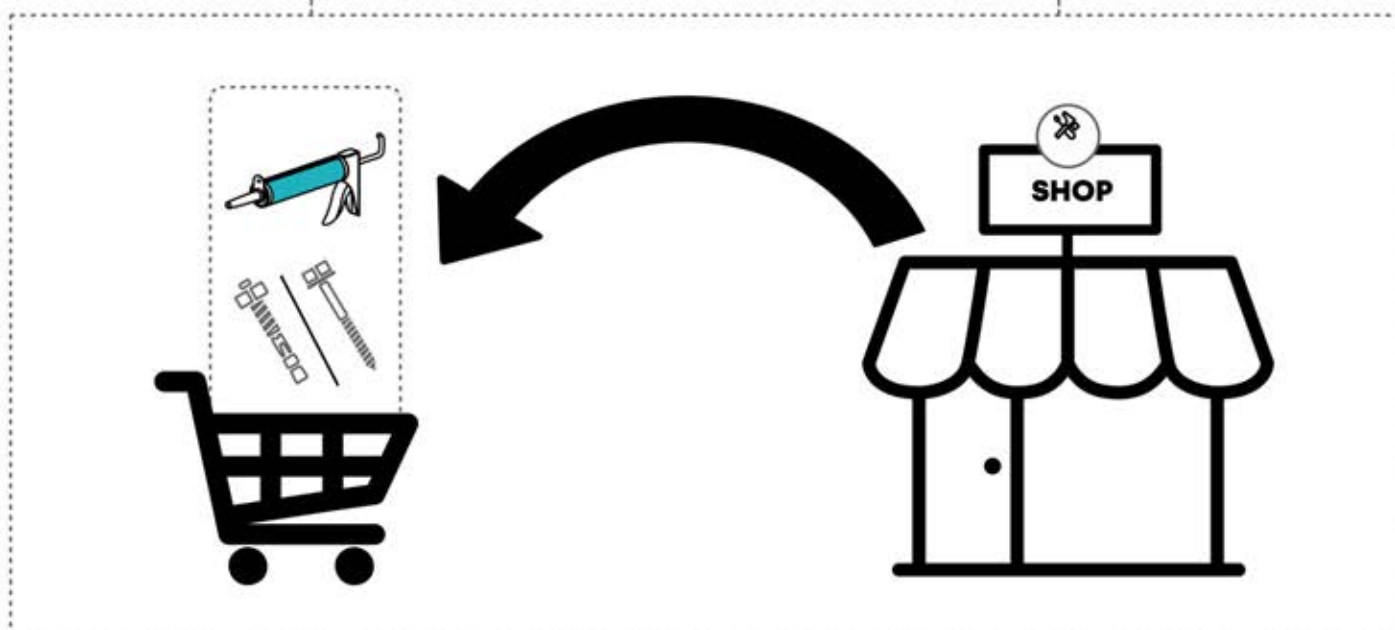
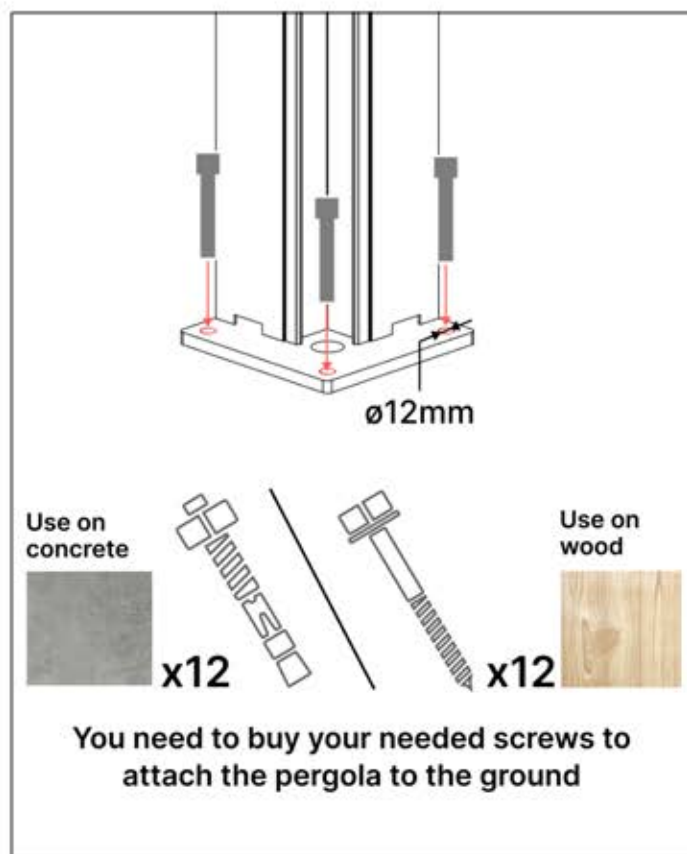
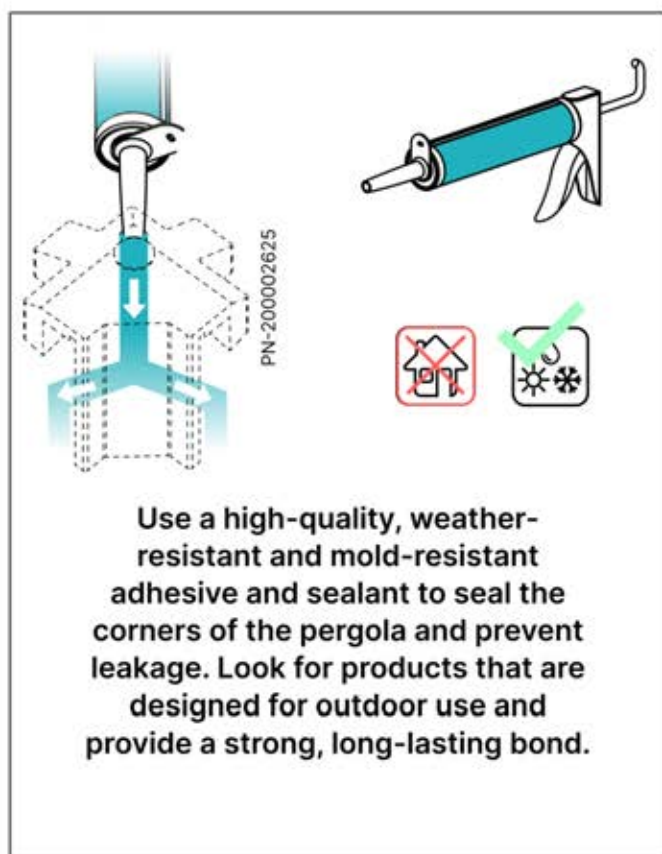
Repeat is variable

VARIABLES

Your Configurator length		Your variable
<1580	=	x9
<1730	=	x10
<1880	=	x11
<2030	=	x12
<2180	=	x13
<2330	=	x14
<2480	=	x15
<2630	=	x16
<2780	=	x17
<2930	=	x18
<3080	=	x19
<3230	=	x20
<3380	=	x21
<3530	=	x22
<3680	=	x23
<3830	=	x24
<3980	=	x25
<4130	=	x26
<4280	=	x27
<4430	=	x28
<4580	=	x29
<4730	=	x30
<4880	=	x31
<5060	=	x32
<5360	=	x34
<5660	=	x36
<5960	=	x38



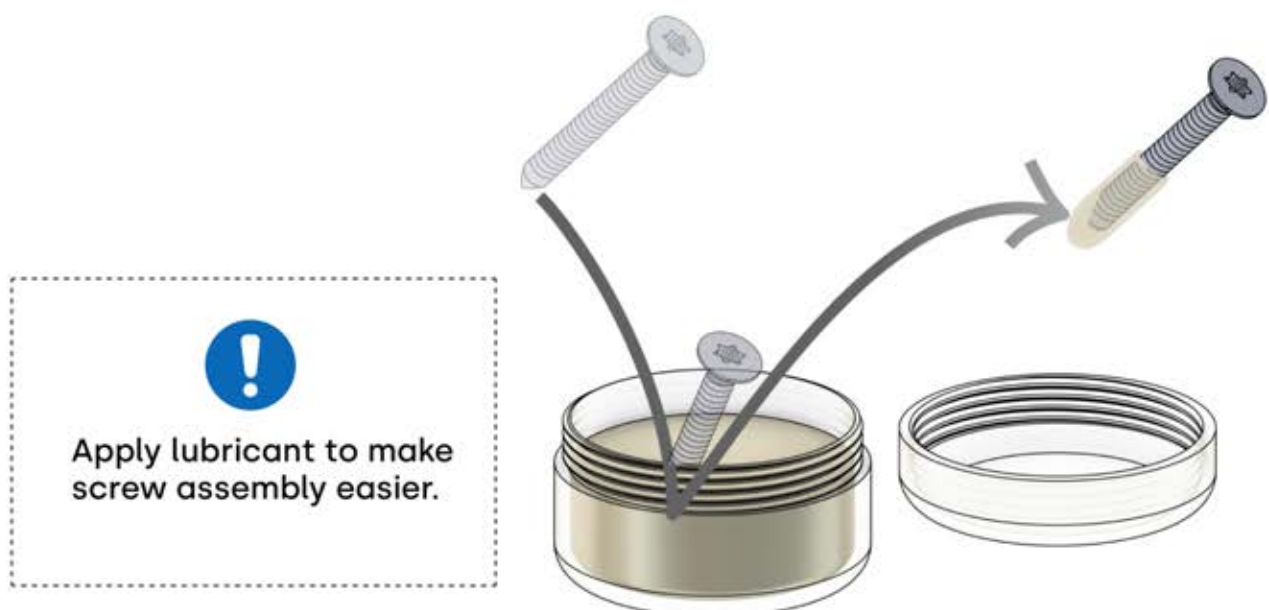
INFORMATION



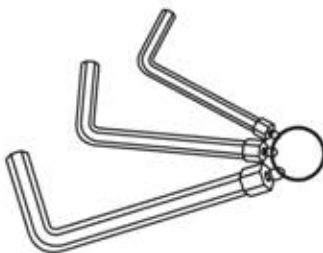
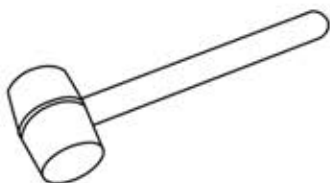
INFORMATION

All screws from **PERGOLUX** are made of stainless steel, ensuring durability and resistance to rust. To prevent damage to screws, follow these guidelines:

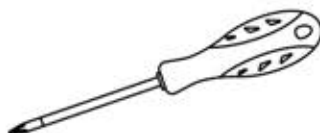
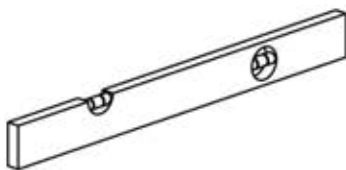
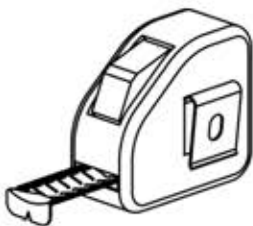
- **DO NOT OVERTIGHTEN:** Apply appropriate force to avoid stripping the threads.
- **CHOOSE THE CORRECT TOOL:** Use the proper screwdriver or bit to avoid damaging the screw head.
- **ENSURE PROPER USE:** With correct installation, screws will maintain their integrity and functionality over time.
- **USE LUBRICATION:** Apply lubricant to make screw assembly easier.



TOOLS



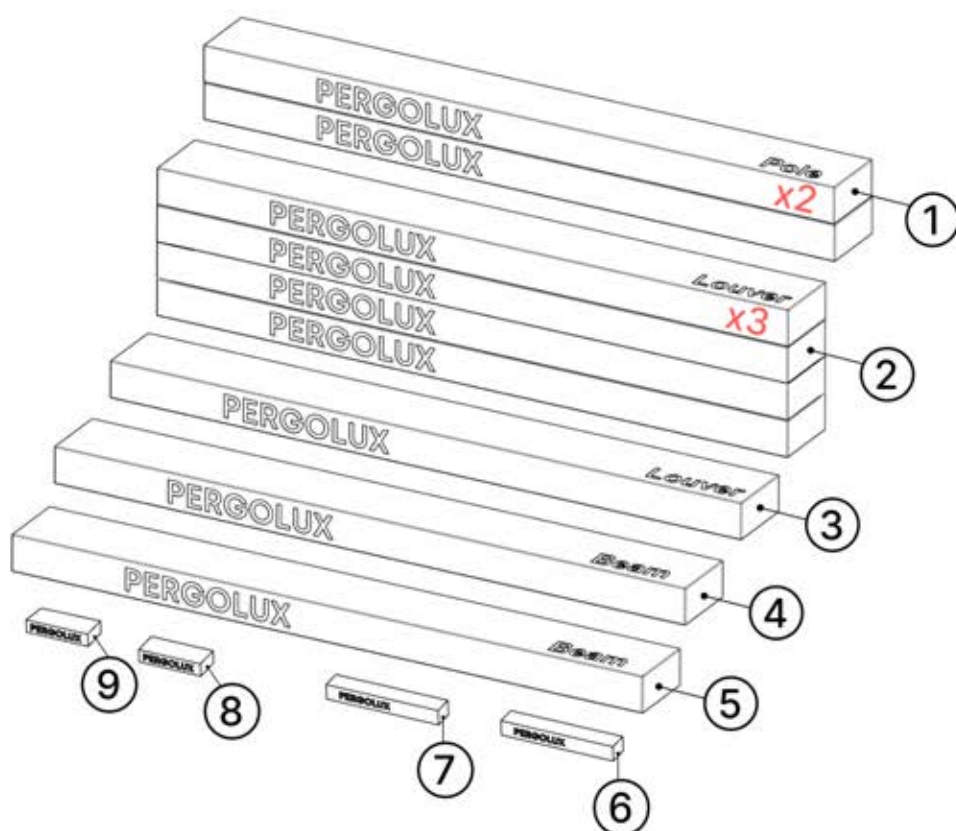
3mm, 4mm, 5mm



TX15, TX20, TX25, TX30

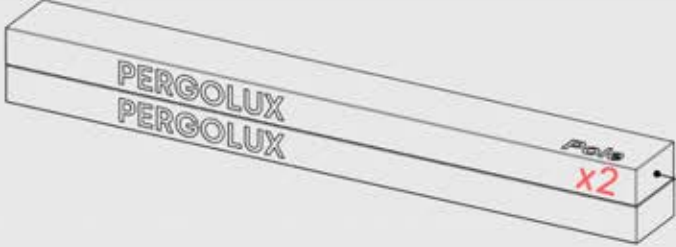
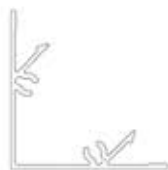


PACKAGE OVERVIEW



ORDER	ANTHRACITE	WHITE	BLACK
①	C120	C122	C121
②	L216	L220	L218
③	L228	L232	L230
④	B233	B241	B237
⑤	B257	B261	B259
⑥	WHITE / RGB LED		
⑦	MOTOR		
⑧	CONTROL BOX		
⑨	POWER CABLE		

ITEMS IN BOX

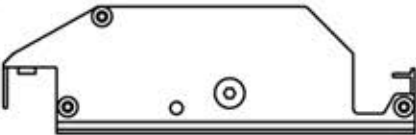
	ANTHRACITE WHITE BLACK		
	1	C120	C122 C121
		PN-200002606 4x	
		PN-200003386 4x	
		PN-200002614 4x	

ITEMS IN BOX



2

	ANTHRACITE	WHITE	BLACK
	L216	L220	L218



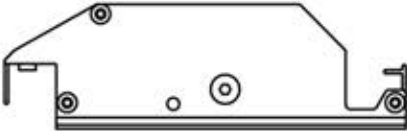
PN-200002980


Variable



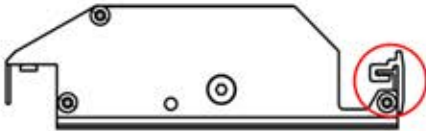
3

	ANTHRACITE	WHITE	BLACK
	L228	L232	L230



PN-200002980

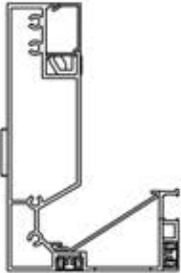
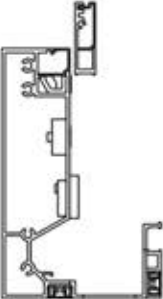
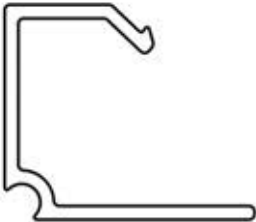

Variable



PN-200002985

1x

ITEMS IN BOX

			
ANTHRACITE WHITE BLACK			
4			
B233 B241 B237			
		PN-200003283 1x	
		PN-200002605 1x	
		PN-200002609 1x	
		PN-200002623 1x	

ITEMS IN BOX

	ANTHRACITE WHITE BLACK		
	4	B233	B241 B237
		PN-200002613 1x	
		PN-200002633 1x	
		PN-200003382 1x	

ITEMS IN BOX



Note: If accessory bags lack part number stickers, refer to the manual for identification.



ANTHRACITE

WHITE

BLACK

4

B233

B241

B237



PN-20000
3280



PN-200000560
20x



PN-20000
3320



PN-200000826
2x



PN-20000
3282



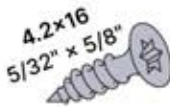
PN-200001514
4x



PN-20000
3276



PN-200002618
4x



PN-200000840
12x



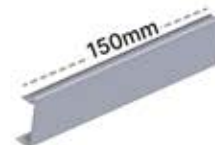
PN-200000571
4x



PN-20000
3278



PN-200003031
1x



PN-200003033
2x

PN-200003030
1x



PN-200001207
2x



PN-20000
3279



PN-200000568
32x



PN-20000
3379



PN-200000960
4x



PN-20000
3285



PN-200000507
4x



PN-200000568
4x

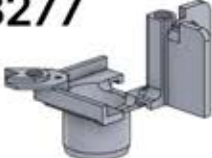
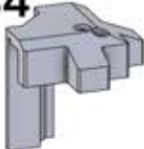


PN-200000569
8x

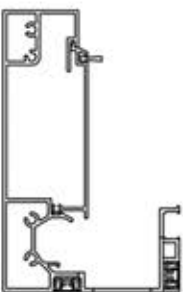
ITEMS IN BOX



Note: If accessory bags lack part number stickers, refer to the manual for identification.

		ANTHRACITE	WHITE	BLACK
4		B233	B241	B237
 PN-20000 3277 	PN-200002617 4x	 PN-20000 3284 	PN-200002625 4x	
 PN-20000 3371   	PN-200003372 1x PN-200001946 1x PN-200000502 1x	 	PN-200003373 1x PN-200000561 1x	
 PN-20000 3281 	PN-200002622 4x		PN-200000680 8x	
	PN-200001340 1x			

ITEMS IN BOX

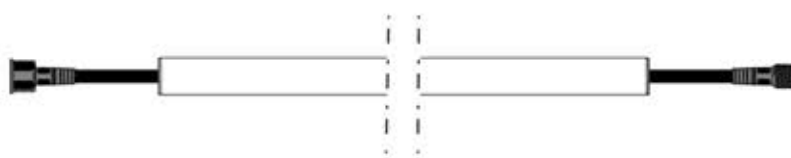
		ANTHRACITE	WHITE	BLACK
		B257	B261	B259
		PN-200003356 2x		
		Premounted PN-200002984 2x		
		PN-200003399 2x		

ITEMS IN BOX



6

WHITE / RGB LED



LED light strip

4x



Y cable

1x



7

ELECTRIC MOTOR



Electric motor
PN-200001562

1x



PN-200001623

1x



PN-200001624

1x



PN-200001625

2x

ITEMS IN BOX

S4



8

CONTROL BOX



Control box

1x



Matter antenna clip

1x



PN-200002684

10x



PN-200002683

5x



QR-code

1x



3M tape

1x



PN-200002756

1x



PN-200002754

1x



PN-200002758

1x



PN-200002753

2x



PN-200002759

2x



PN-200002757

1x

ITEMS IN BOX



9

POWER CABLE



Power cable

1x



All electric parts should be tested before installation.

LEDs + Motor (and heater) should be connected to the Control box and programmed to ensure functionality.

Matter + Smart home can be connected at anytime by simply scanning the QR code provided



CONTROL BOX

[View Manual](#)

TEST OF ELECTRONICS

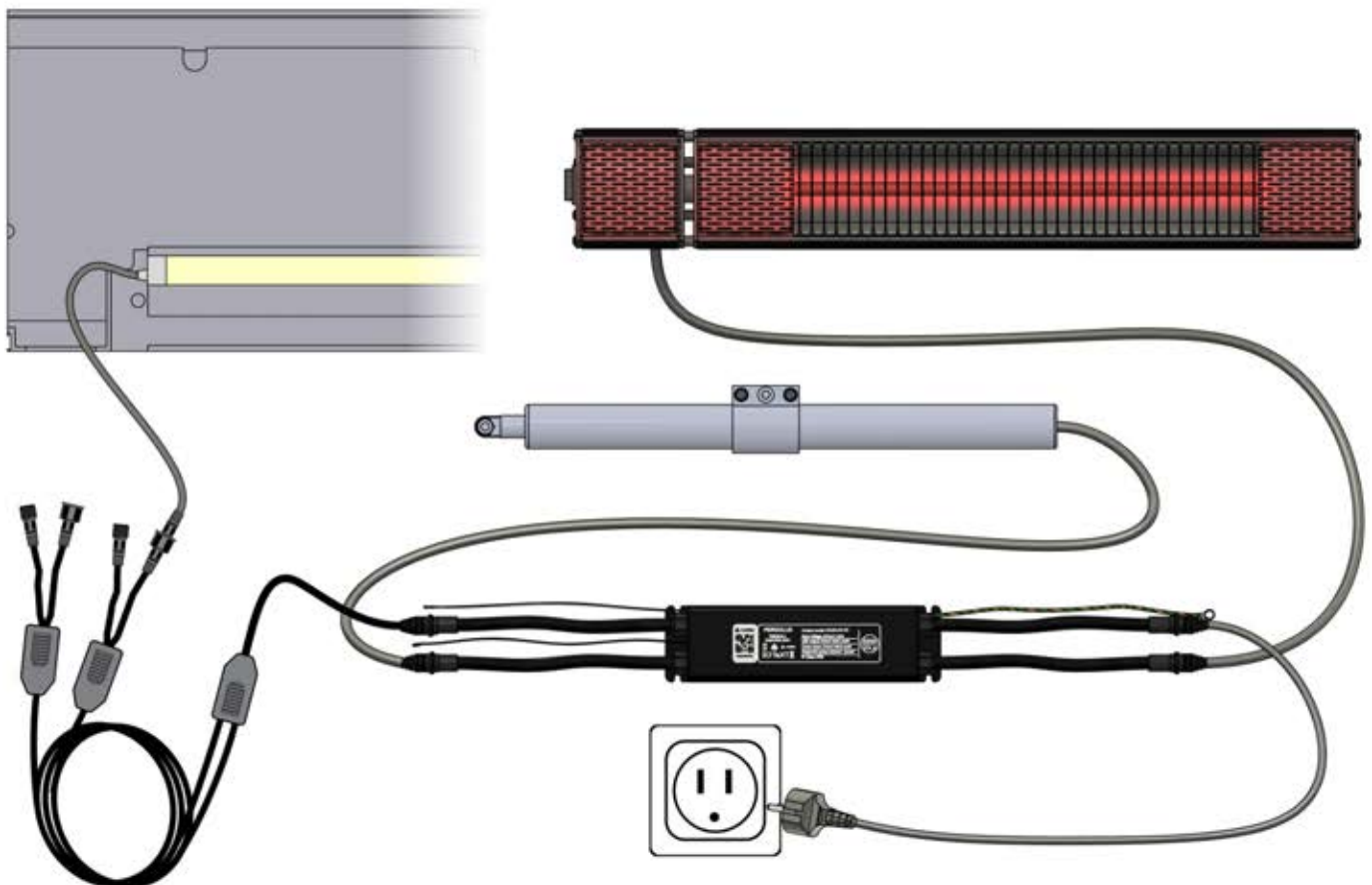
! ** Only if you ordered LED lights to your pergola.



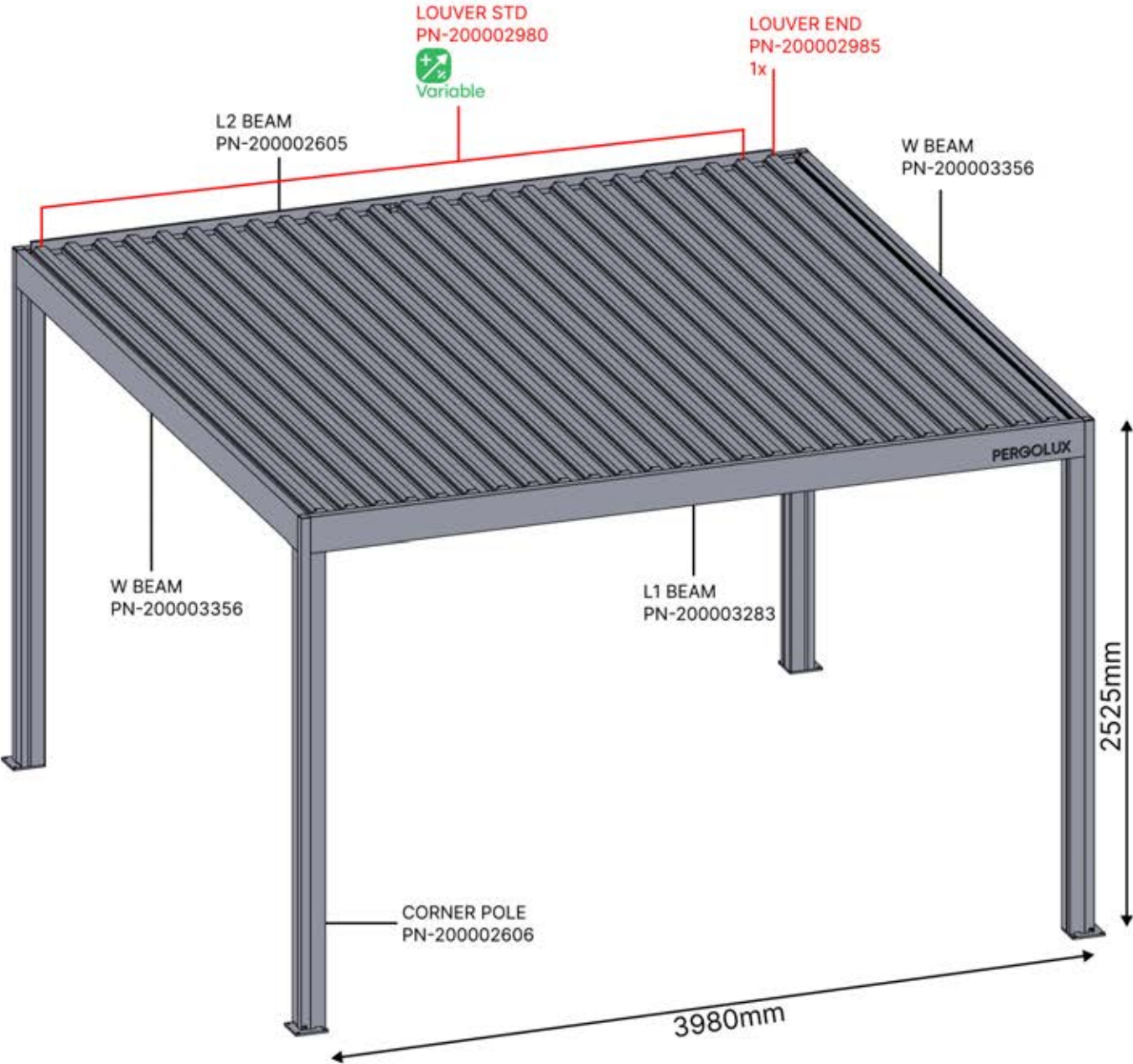
All electric parts should be tested before installation.

LEDs + Motor (and heater) should be connected to the Control box and programmed to ensure functionality.

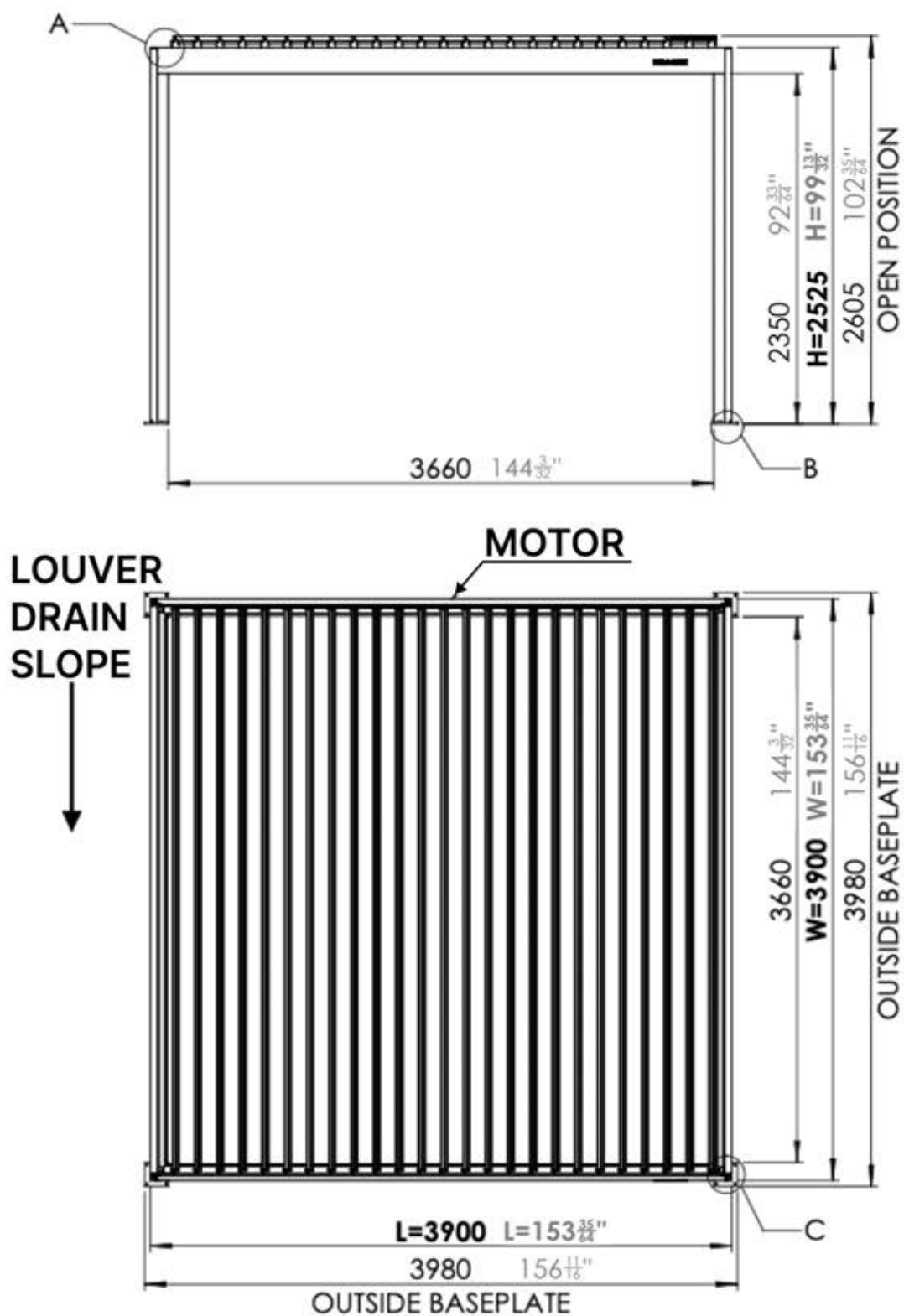
Matter + Smart home can be connected at anytime by simply scanning the QR code provided



FREESTANDING



FREESTANDING



INFORMATION

Are you installing a screen, slat wall or glass wall?

It is recommended to remove these Snapfit covers and clips now before installing the pergola.

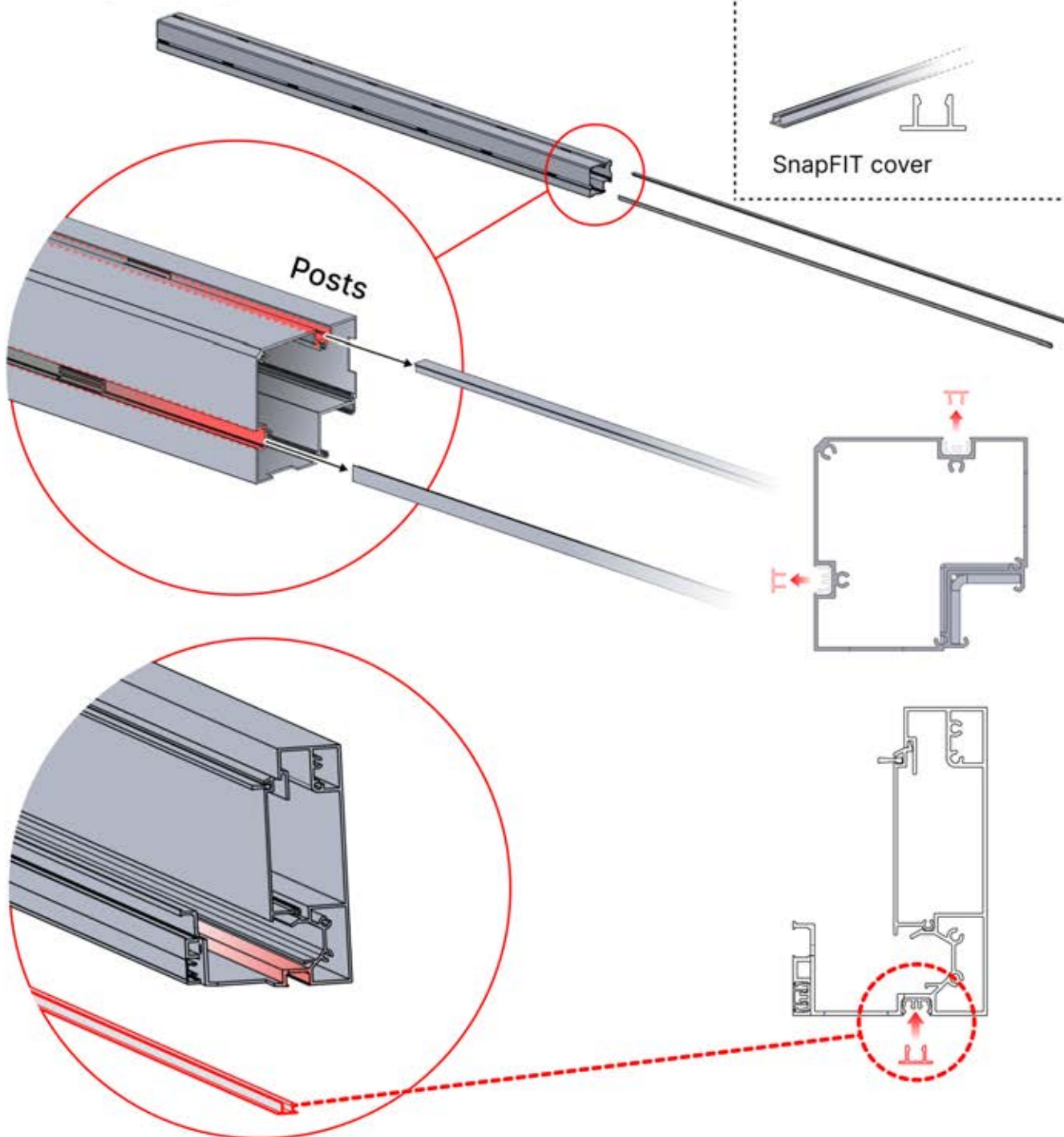
Cover and clips



PN-200000512
SnapFIT cover clip



SnapFIT cover



INFORMATION

Are you installing a heater, fan or LED lights?

It is recommended to remove both snap-fit covers from the beam now.

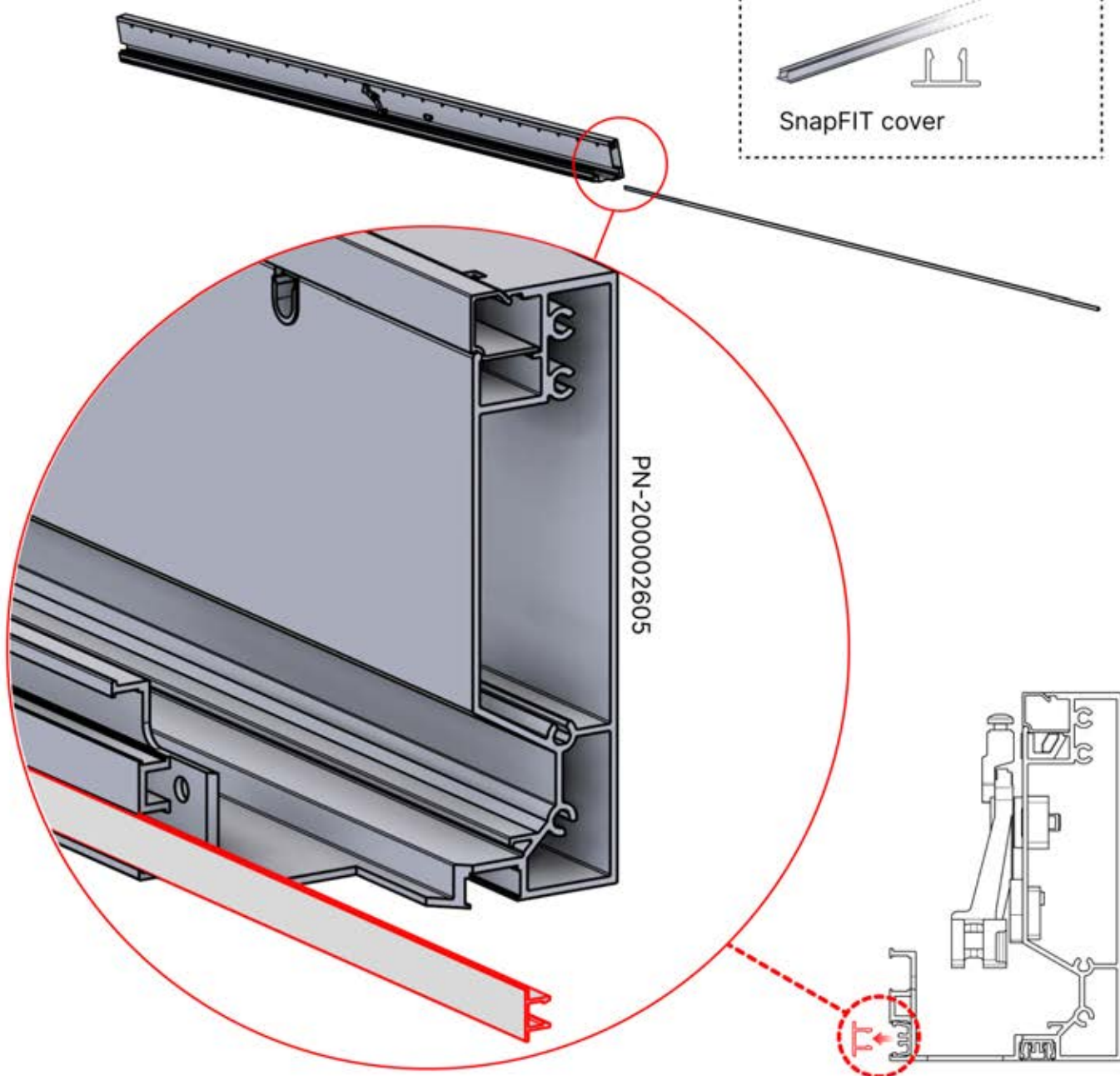
Cover and clips



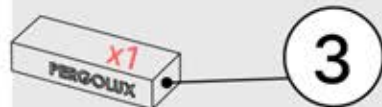
PN-200000512
SnapFIT COVER CLIP



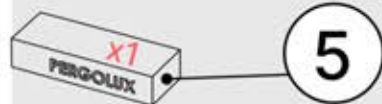
SnapFIT cover



INFORMATION



ANTHRACITE: L228
WHITE: L232
BLACK: L230



ANTHRACITE: B257
WHITE: B261
BLACK: B259



PN-200003356

 $2x$

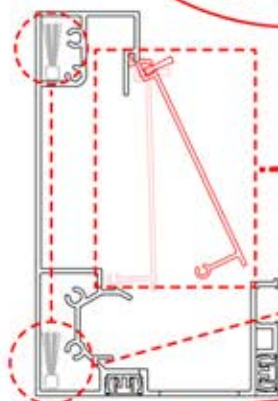
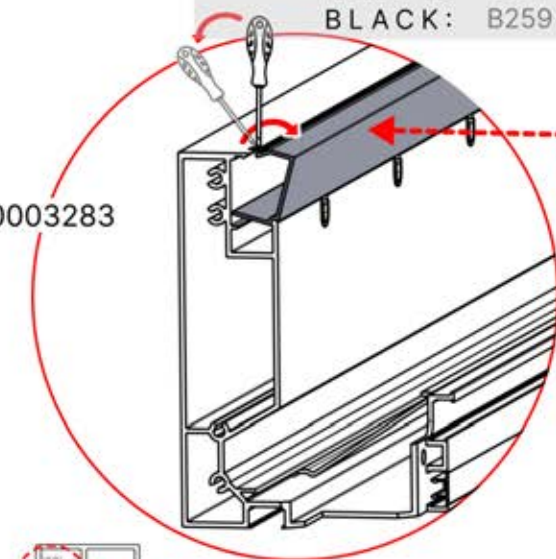
PN-200003283

1x

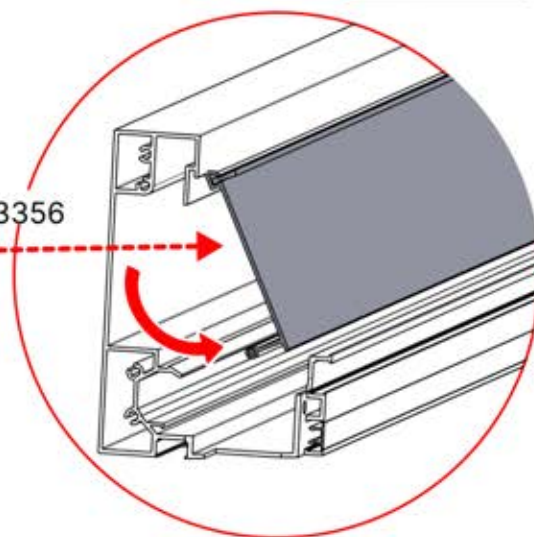
PN-200002605

1x

PN-200003283

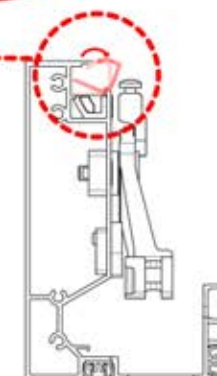
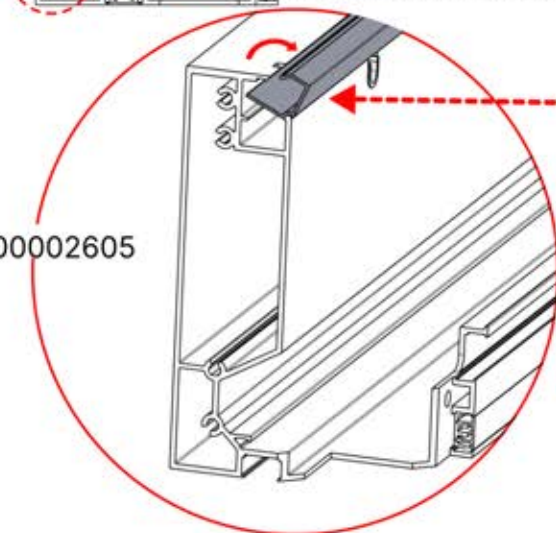


PN-200003356



 Remove the brush from the beam and set it aside. It will be installed during a later step in the manual.

PN-200002605



01



1

ANTHRACITE: C120
WHITE: C122
BLACK: C121



4

ANTHRACITE: B233
WHITE: B241
BLACK: B237



PN-200002606
4x

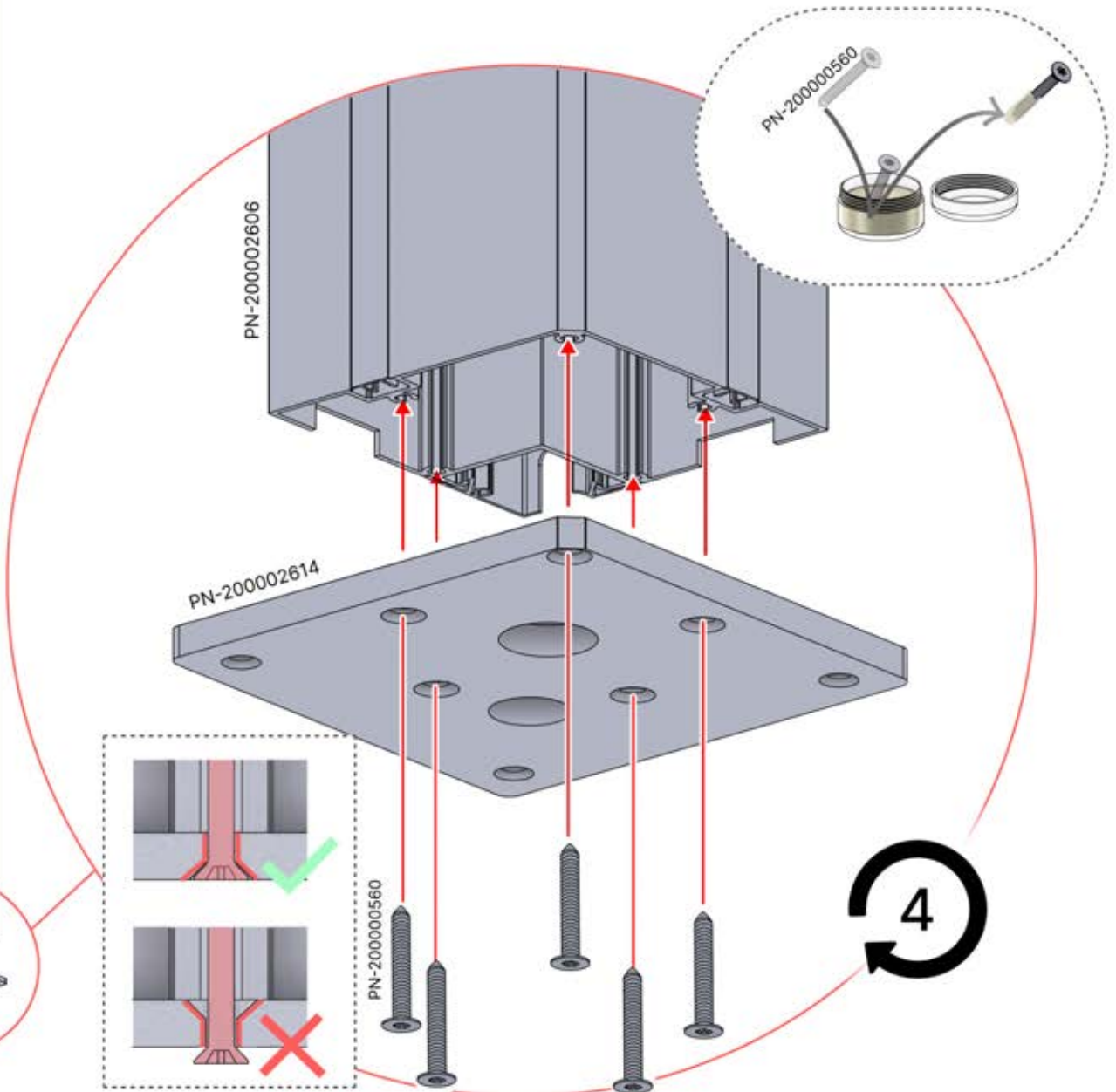
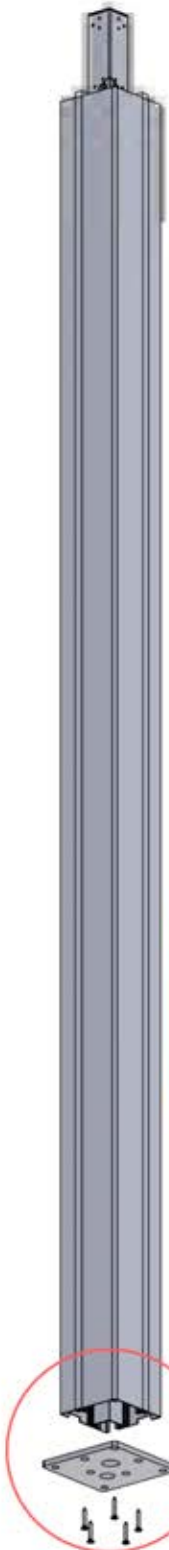


PN-200002614
4x



PN-200000560
20x

PN-20000
3280 Zip Bag



02

x2
PERGOLUX
PERGOLUX

1

ANTHRACITE: C120
WHITE: C122
BLACK: C121

x1
PERGOLUX

4

ANTHRACITE: B233
WHITE: B241
BLACK: B237

PN-200002606
4x

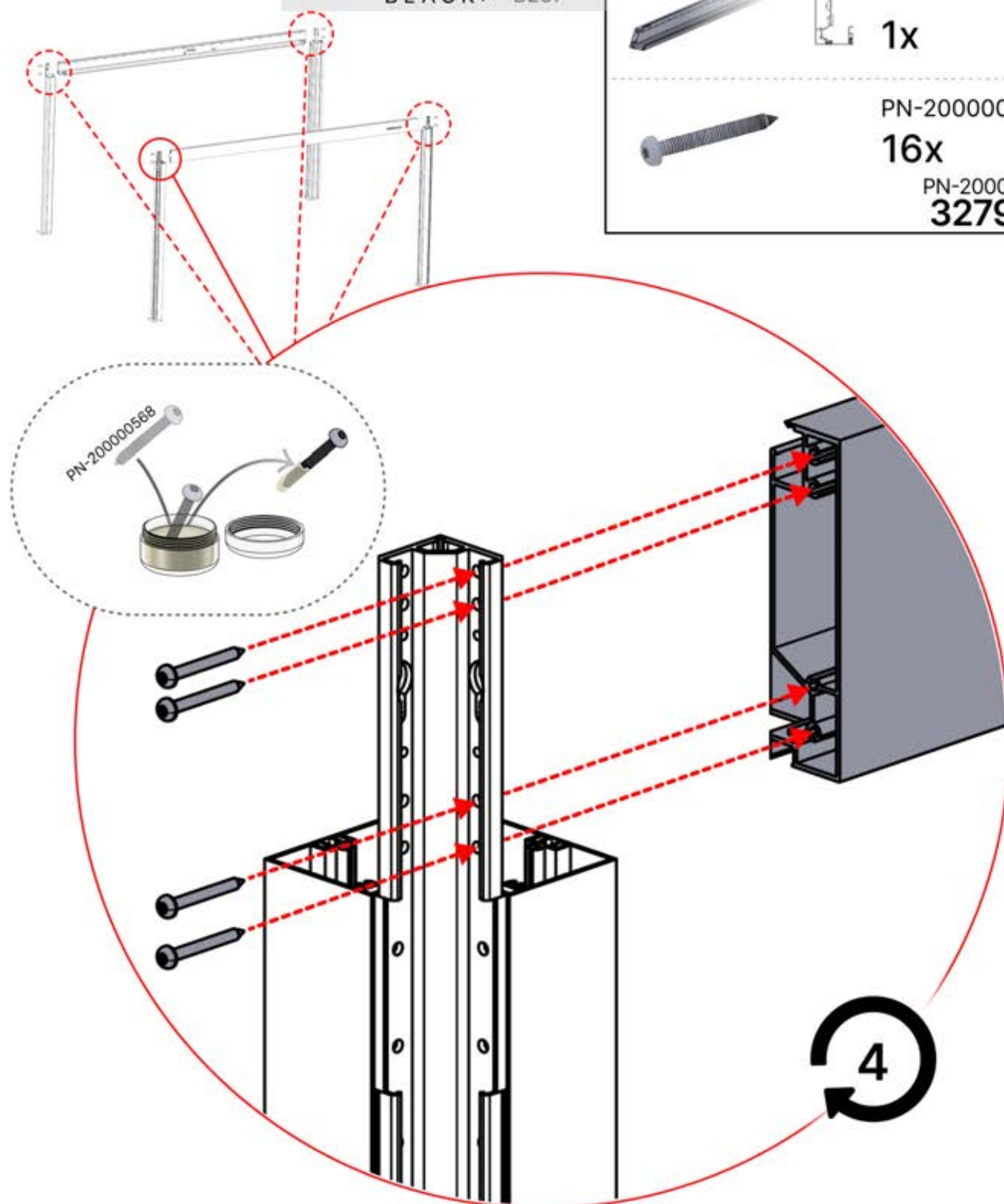
PN-200003283
1x

PN-200002605
1x

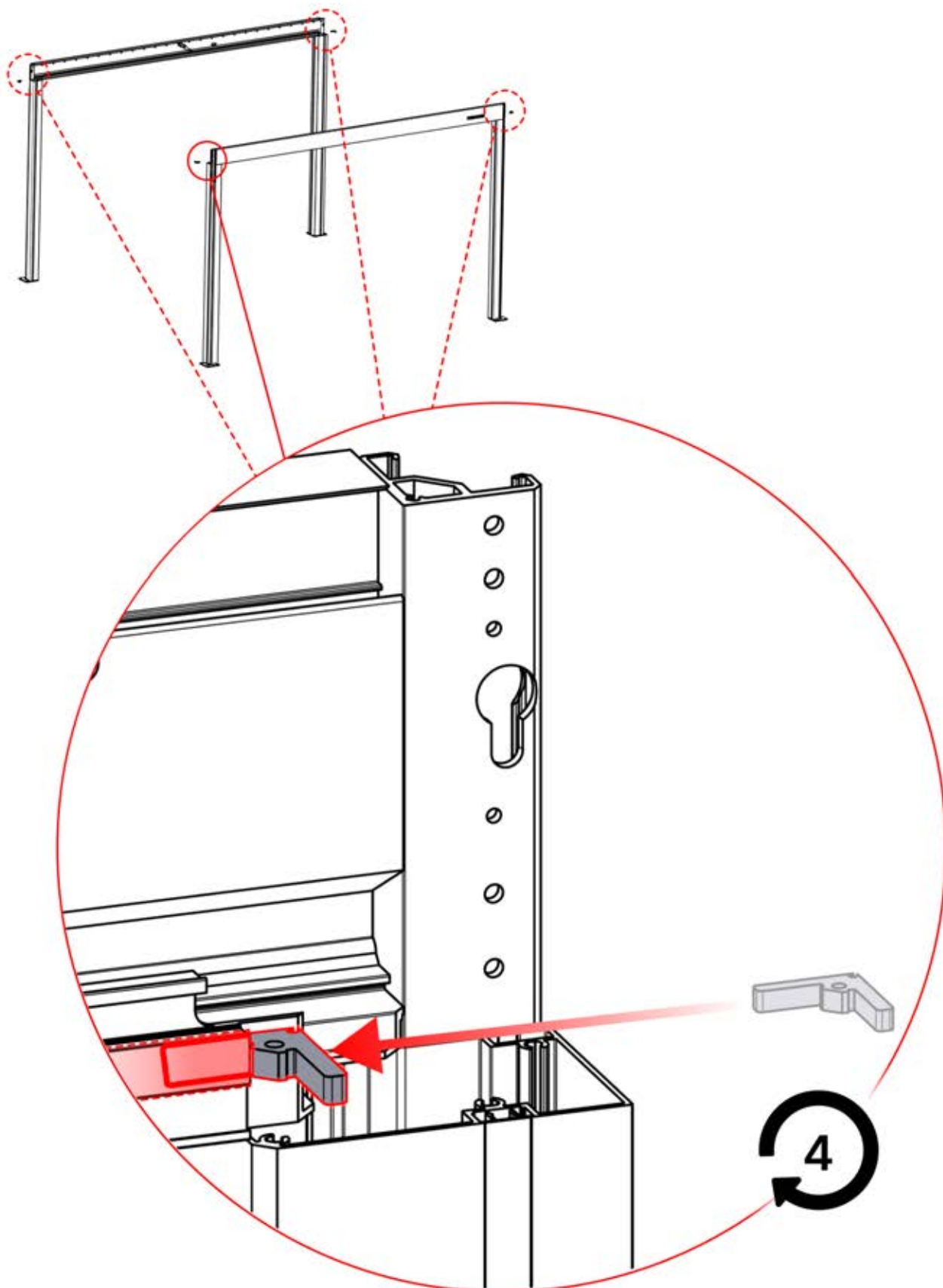
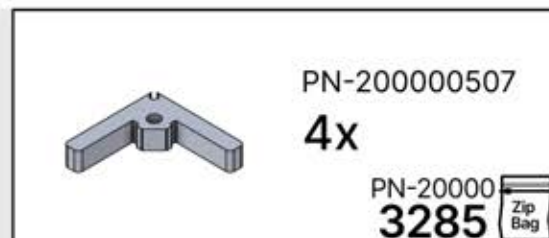
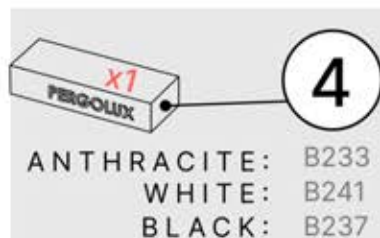
PN-200000568
16x

PN-20000
3279

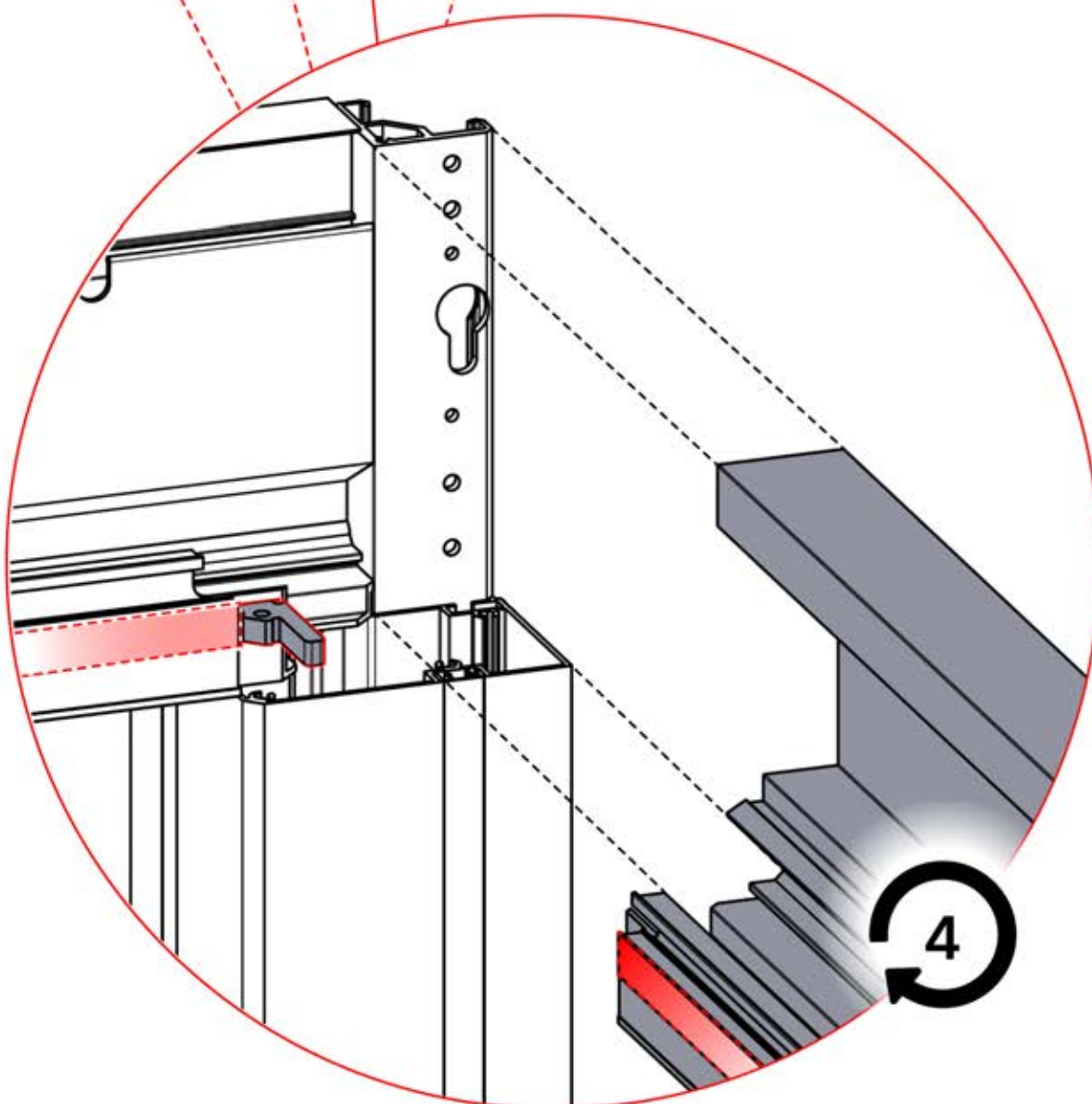
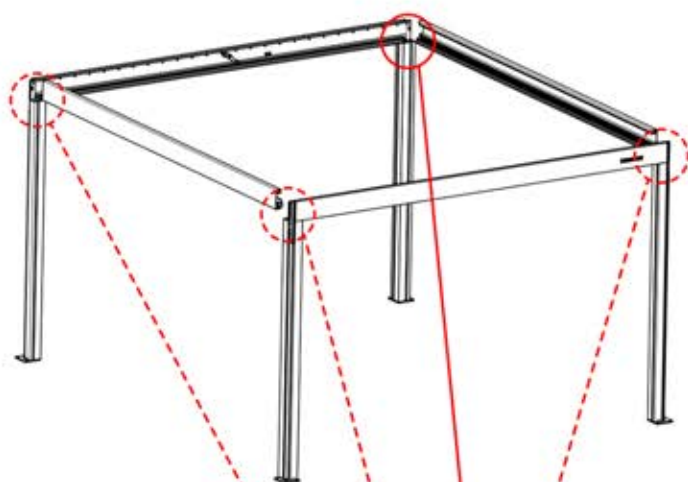
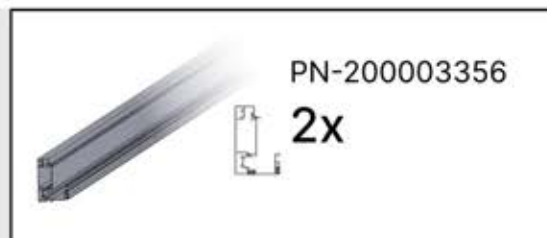
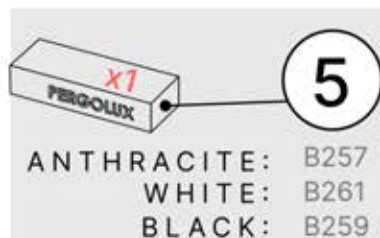
Zip Bag



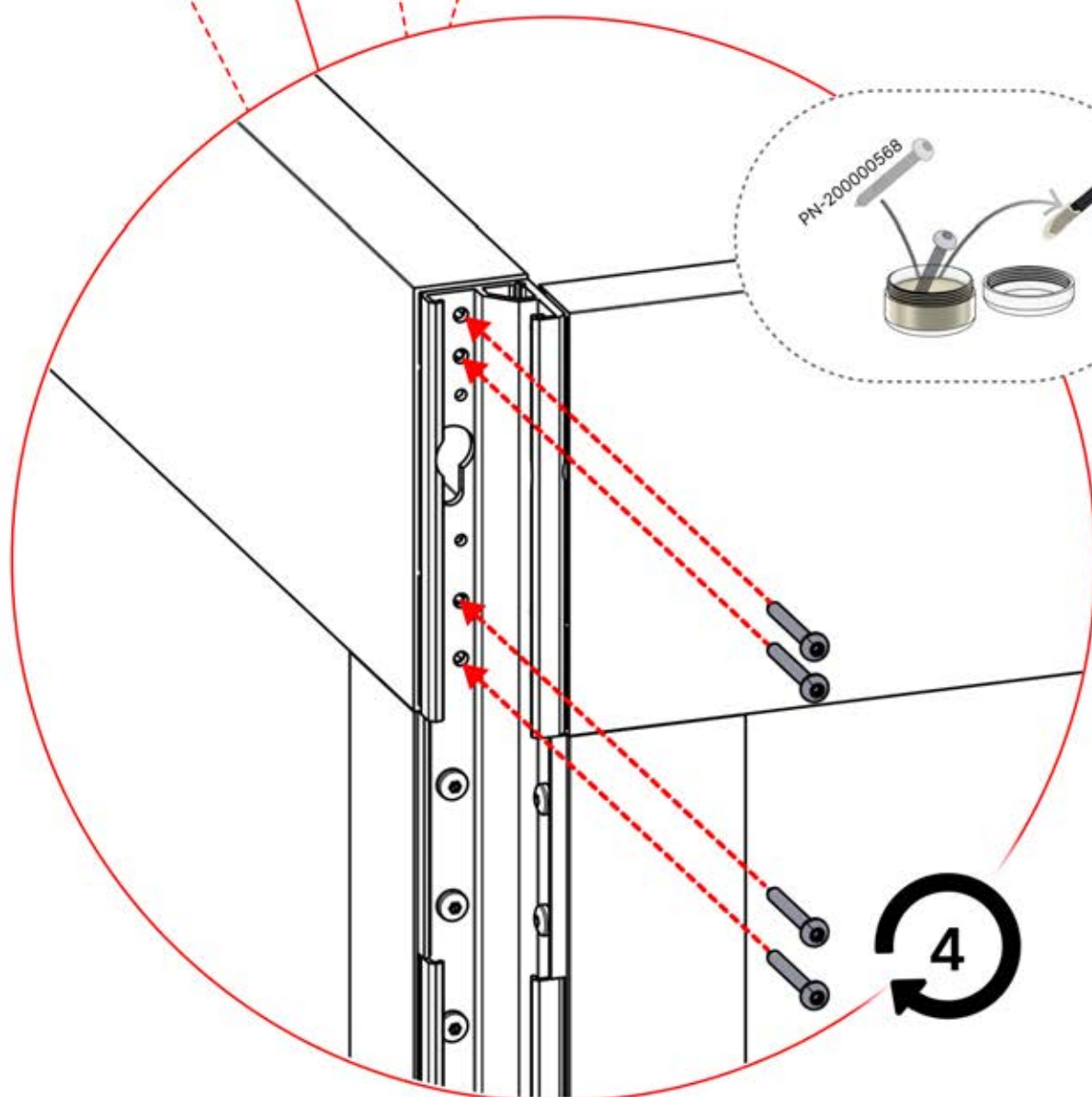
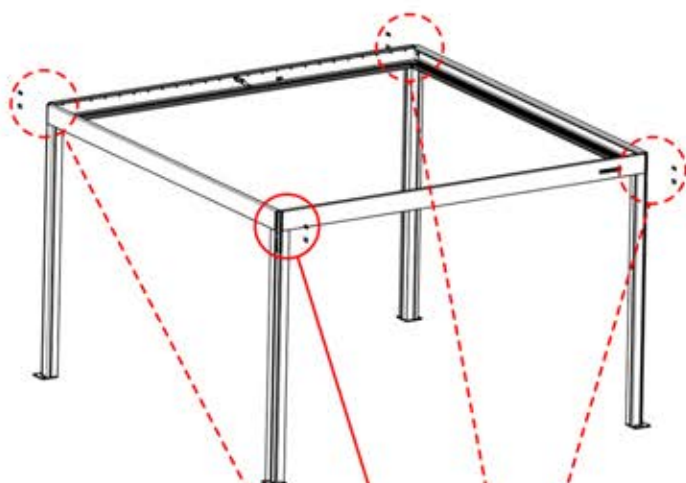
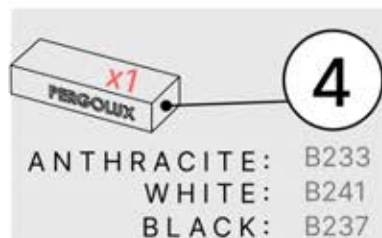
03



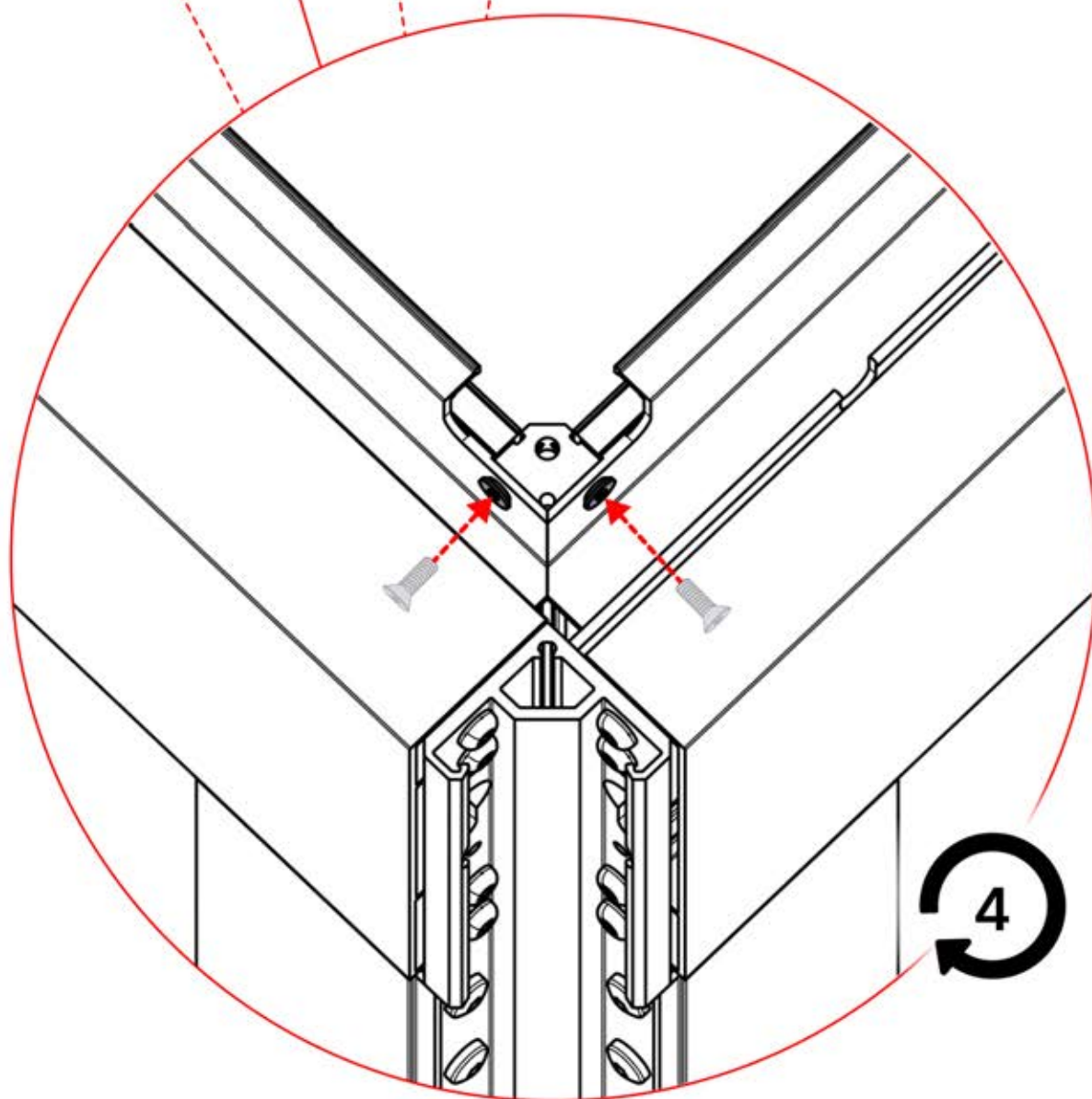
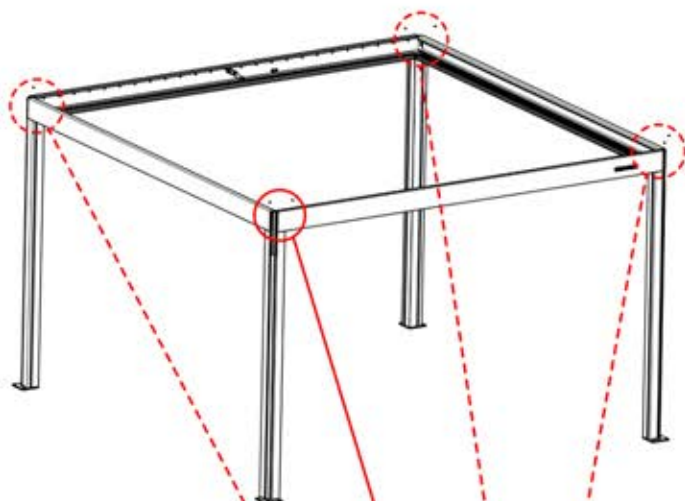
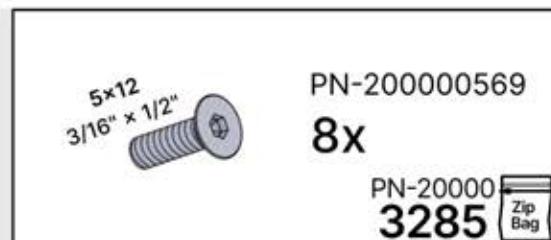
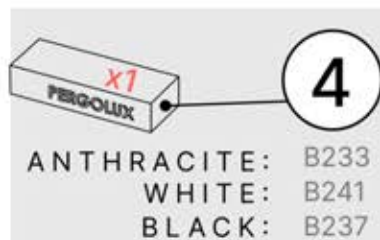
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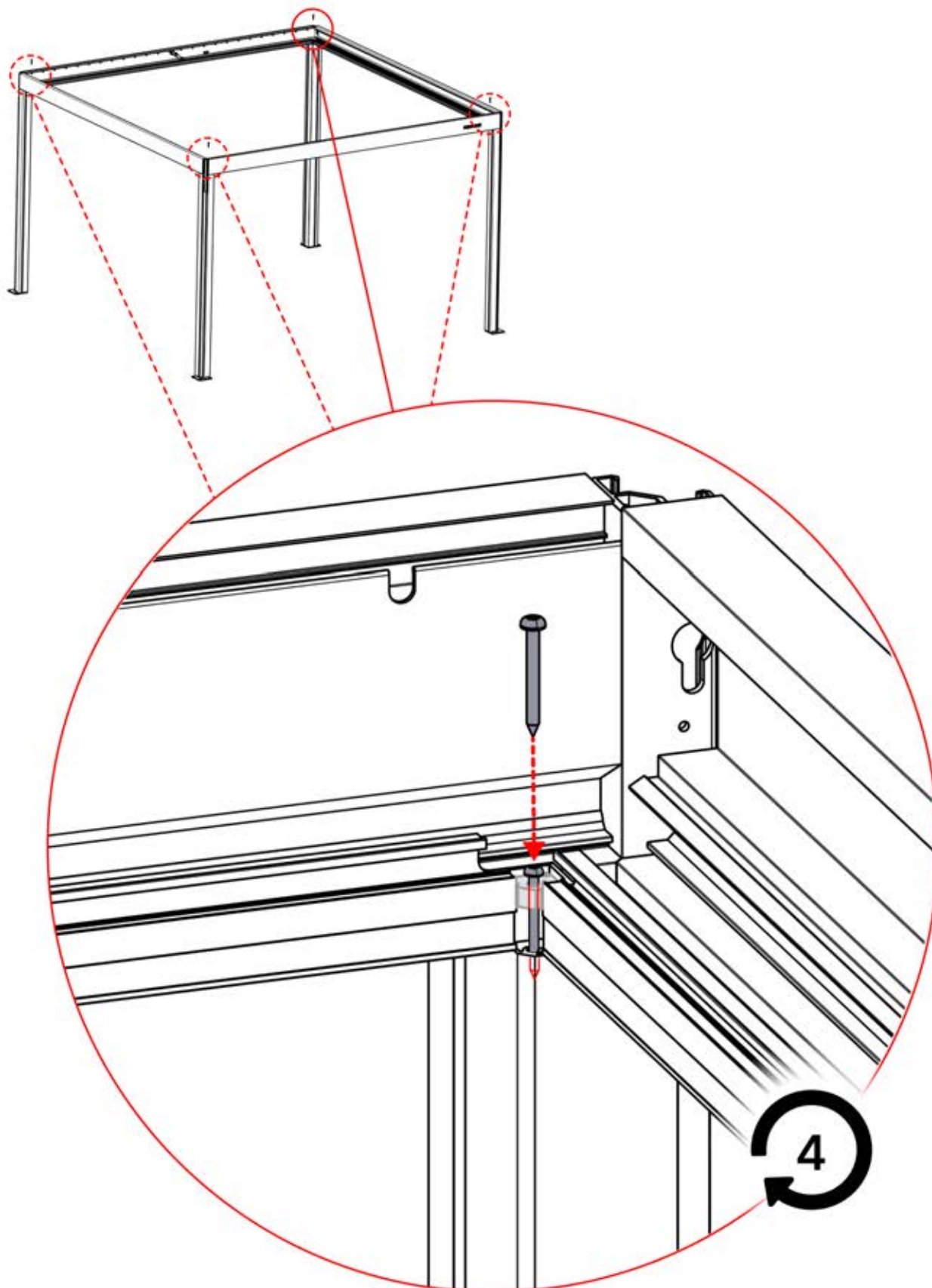
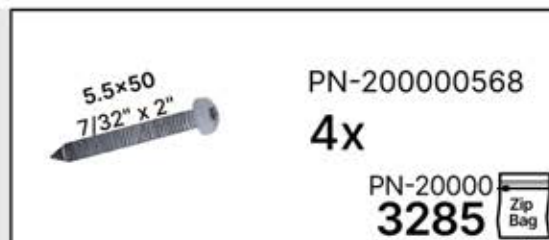
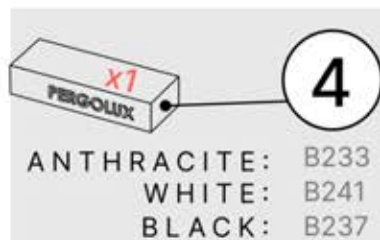
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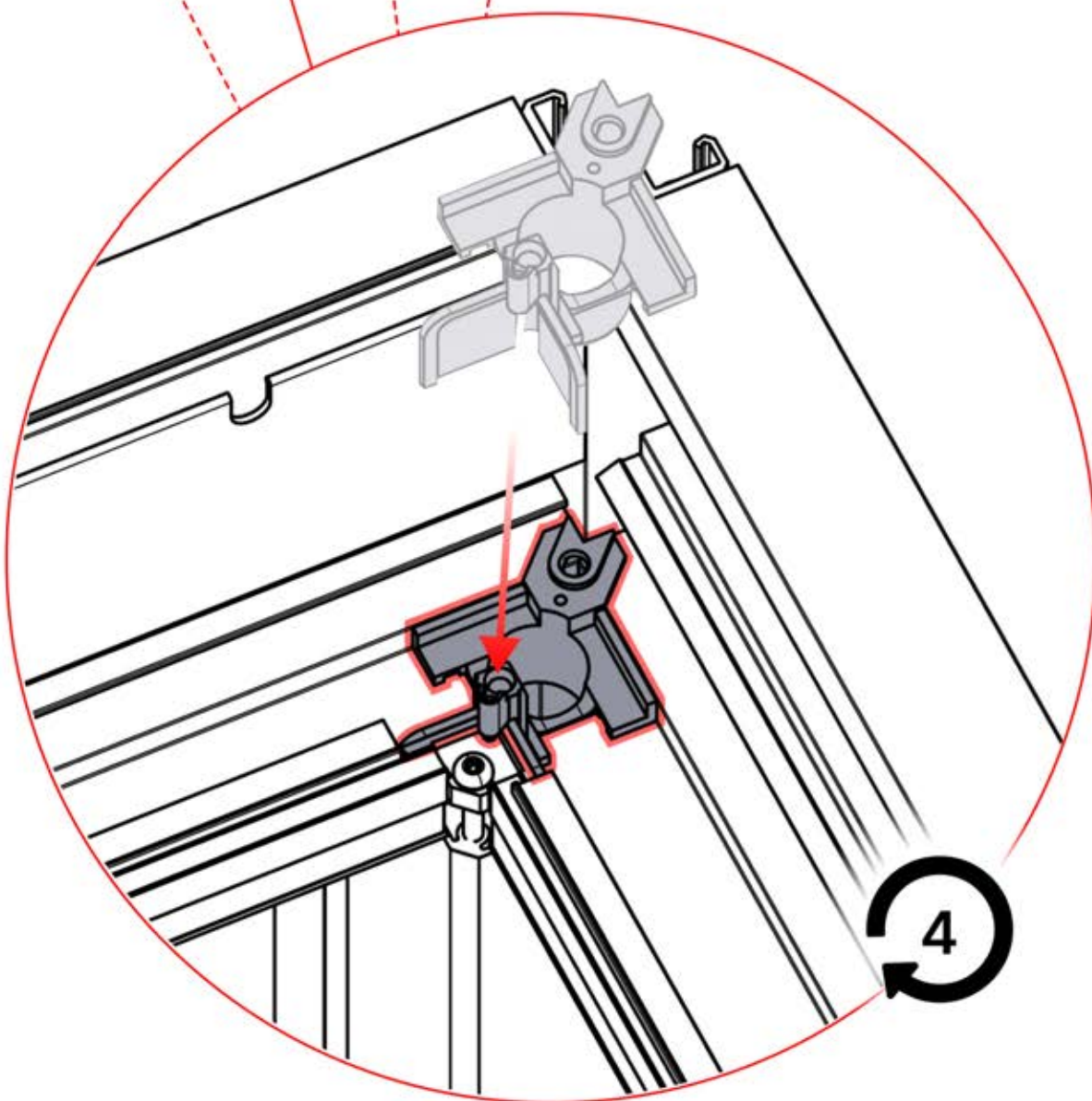
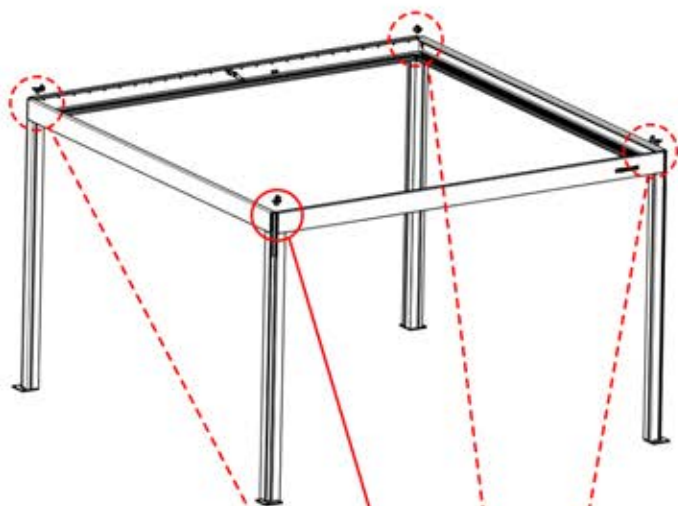
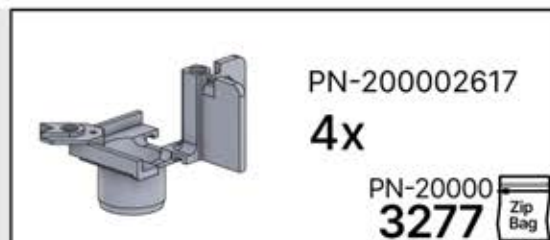
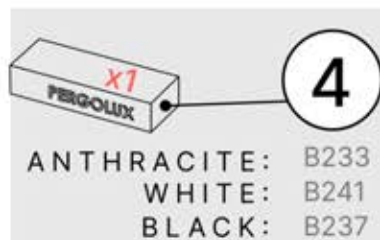
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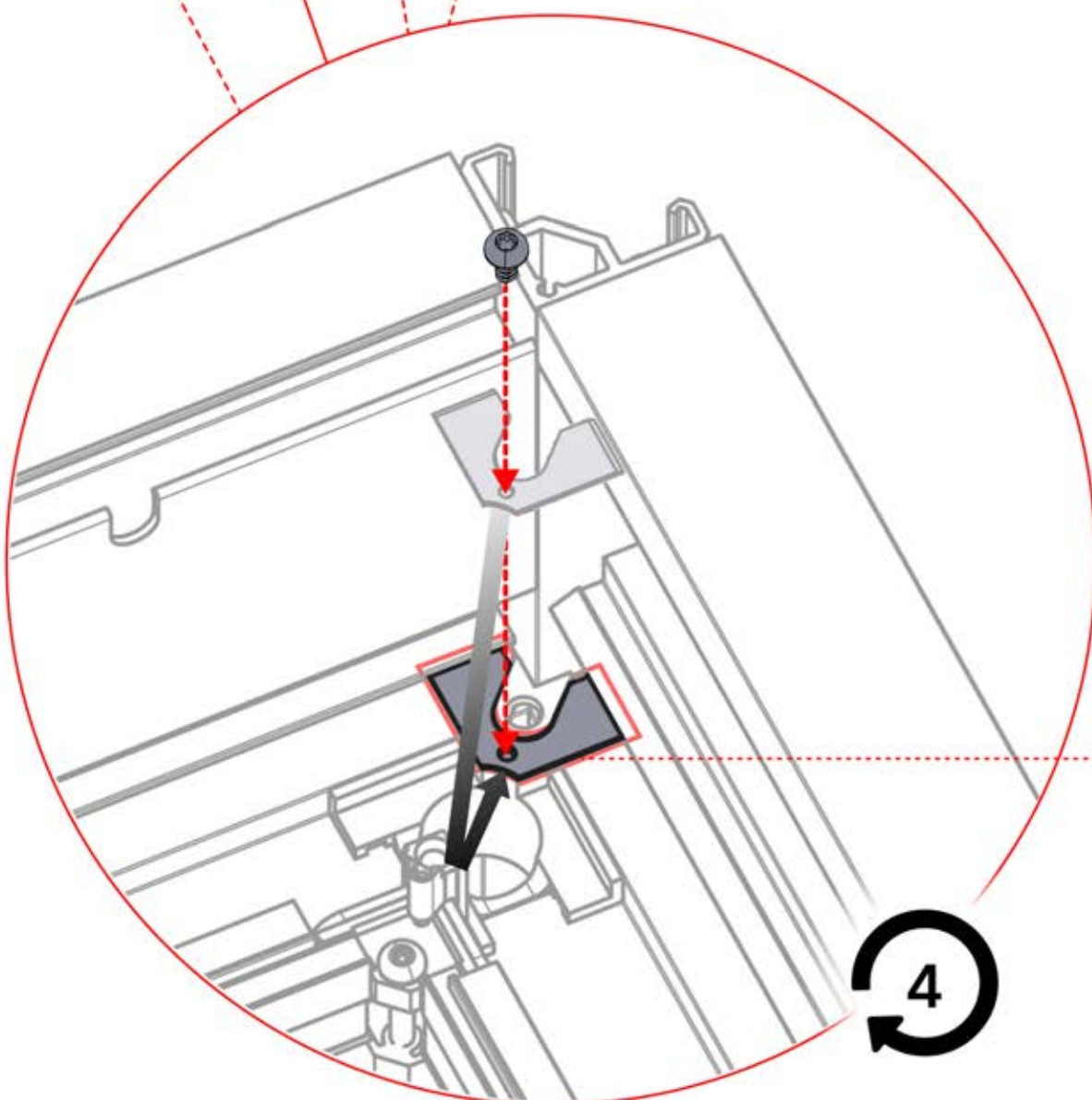
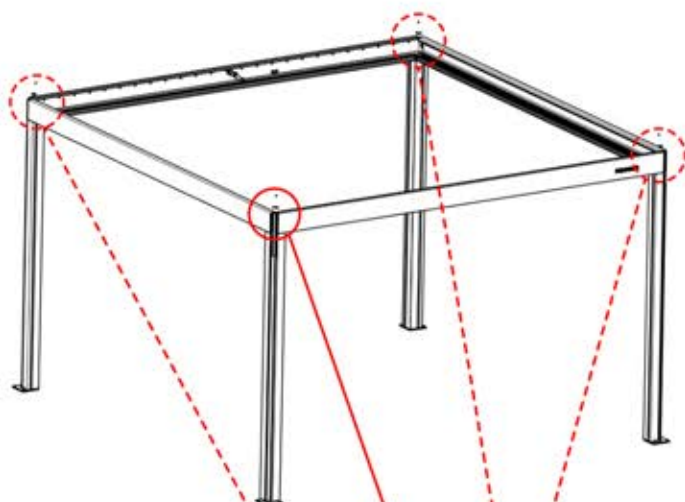
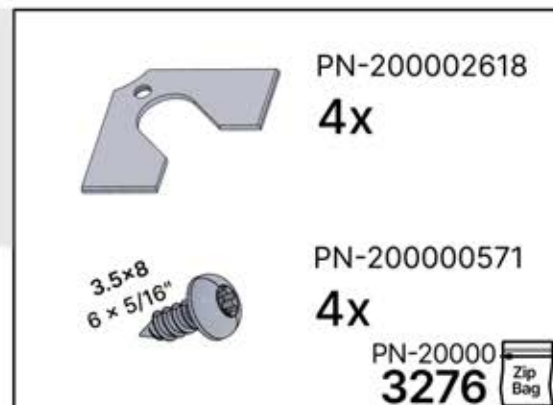
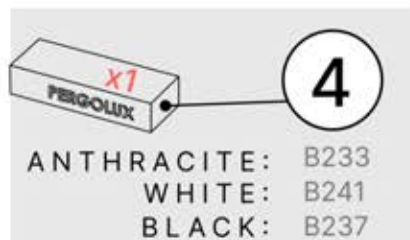
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08



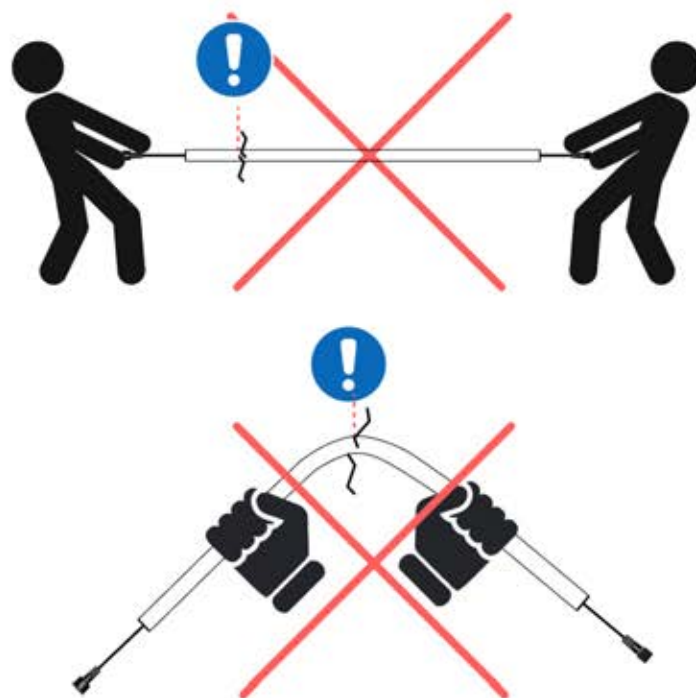
09



IMPORTANT INFORMATION

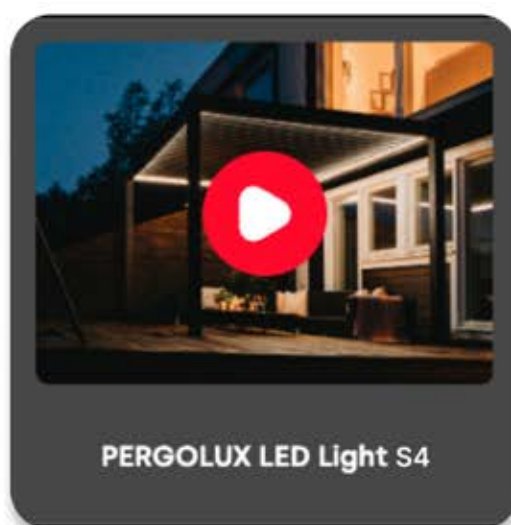
Handle with care.

When installing the light strip, do not pull or bend the wires on both sides with force, as this may cause the solder joints to fall off.

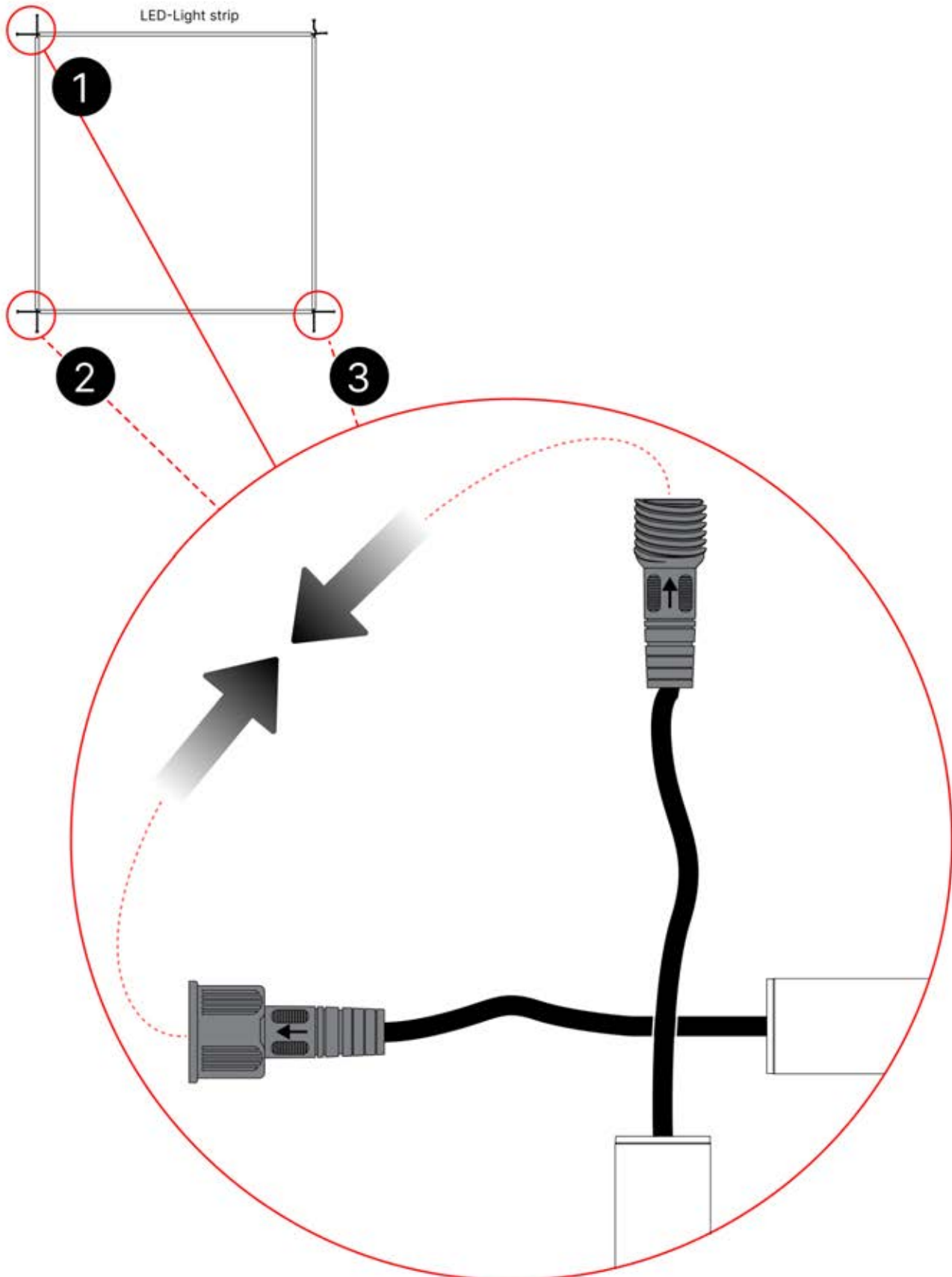


Important! Please watch all the videos before starting the assembly.

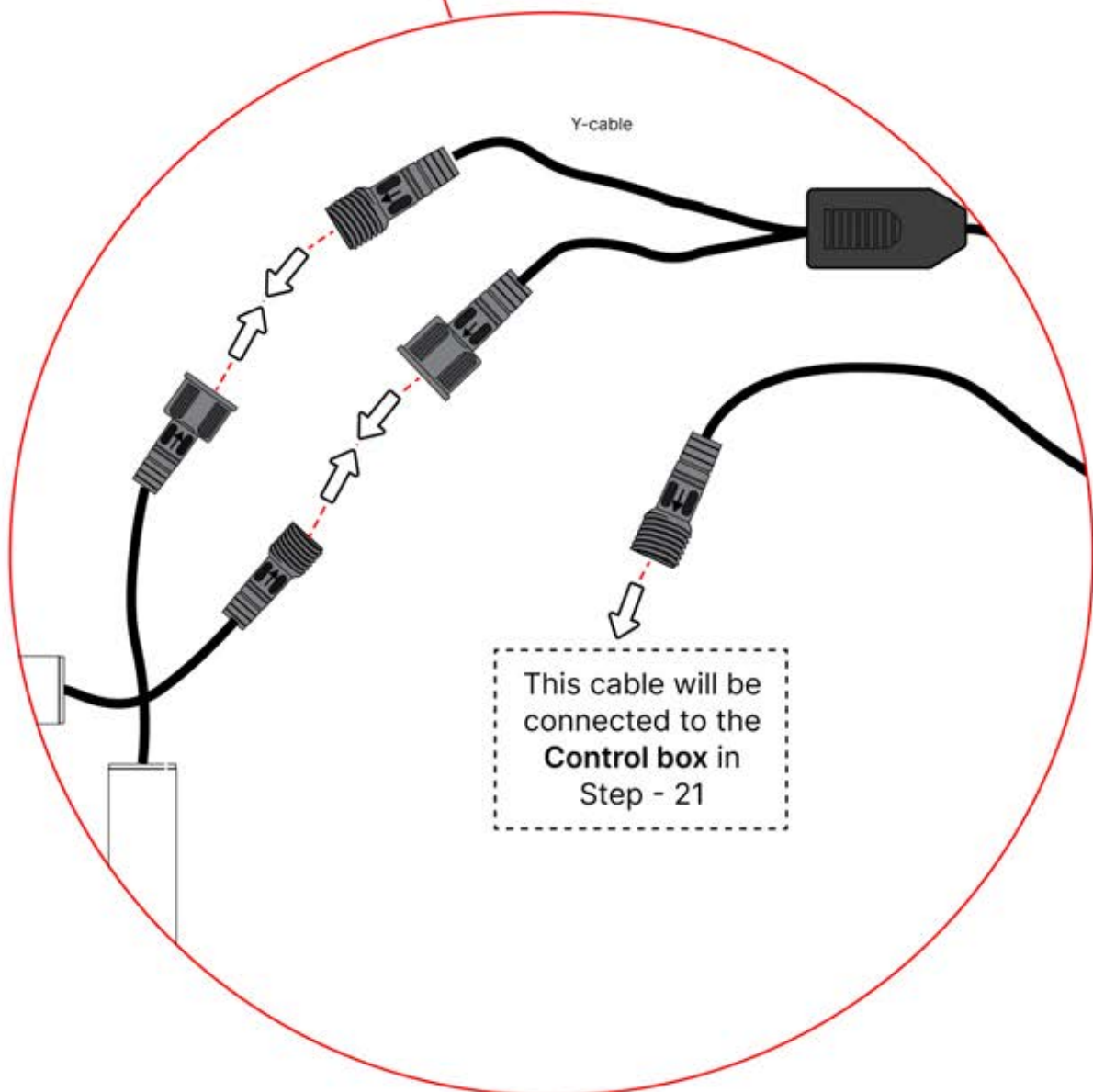
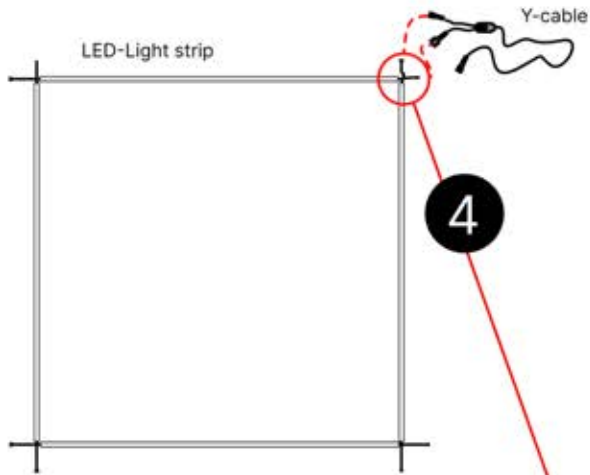
The videos contain important information relevant to the assembly process.



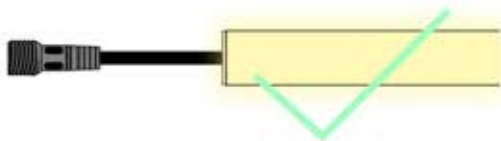
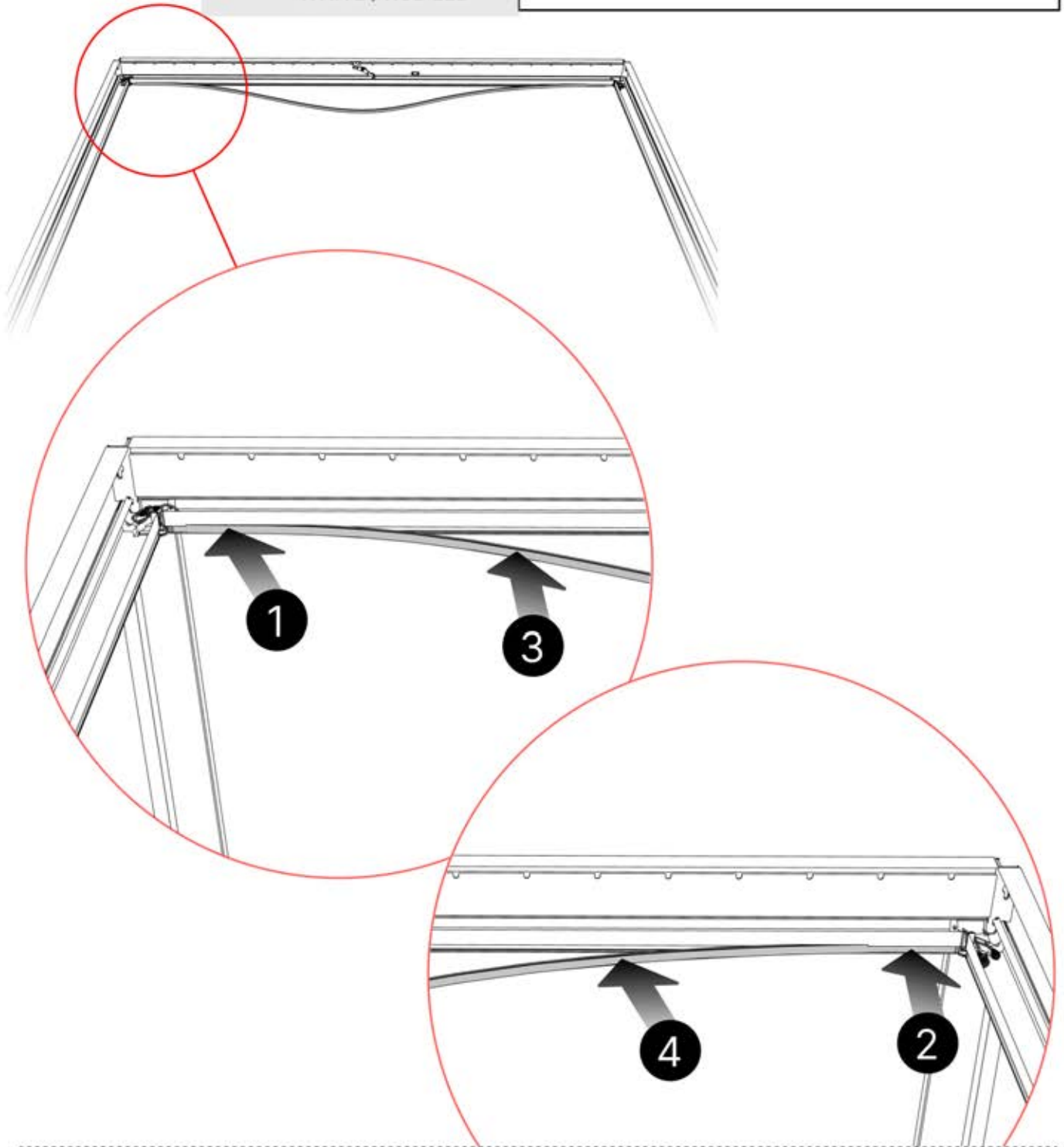
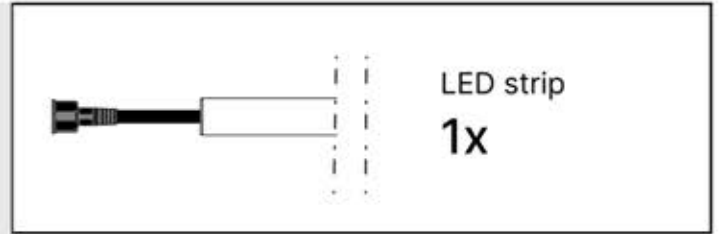
INFORMATION



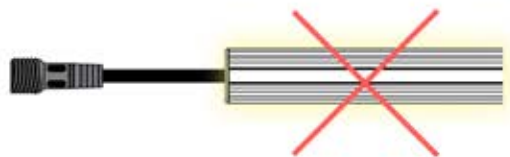
INFORMATION



10



This side is the front and
should face outward

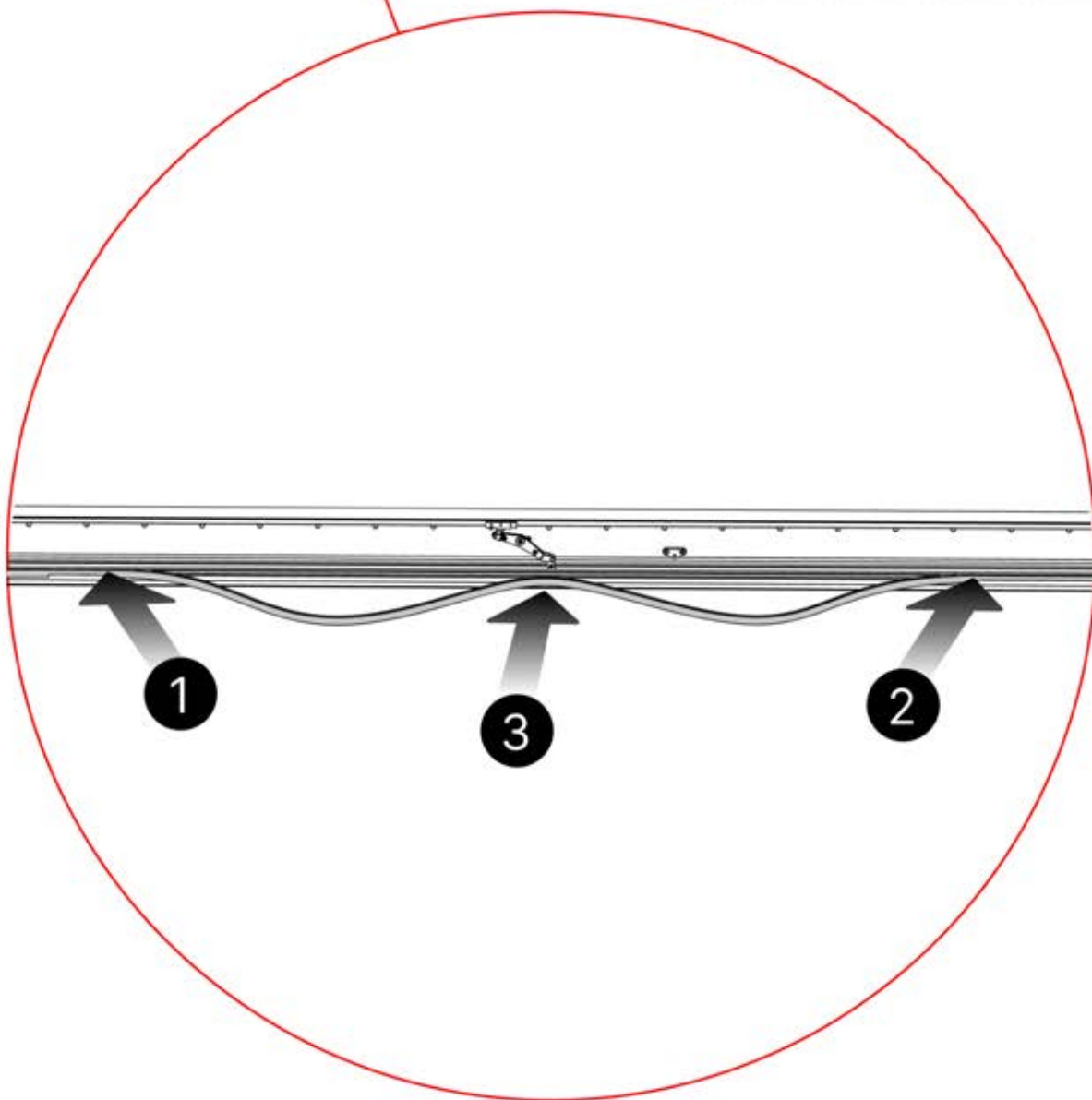
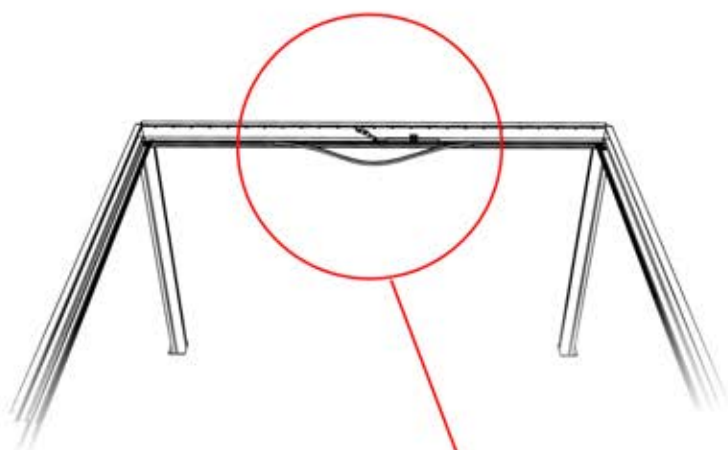


This side is the back and should
be positioned to face the beam

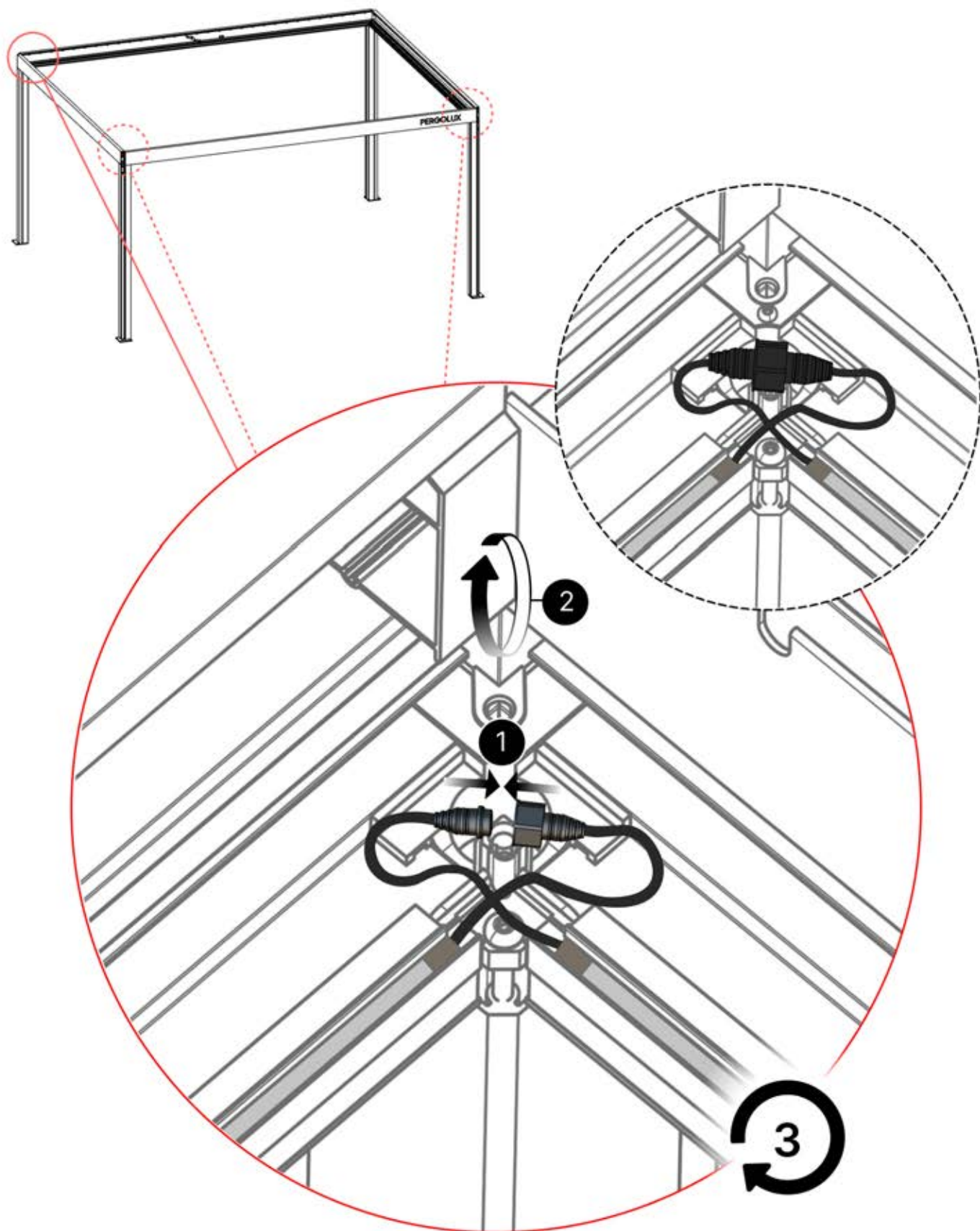
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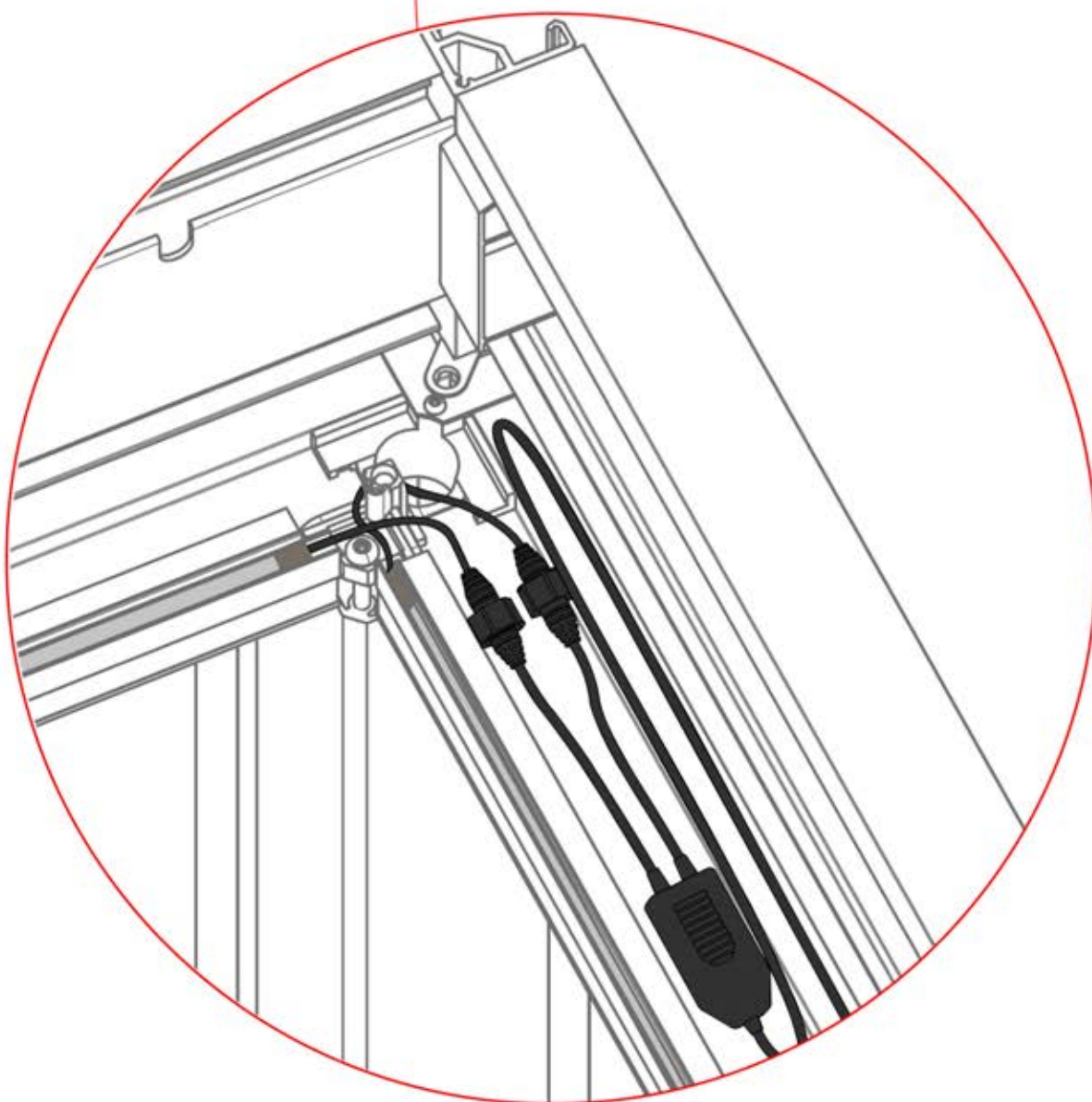
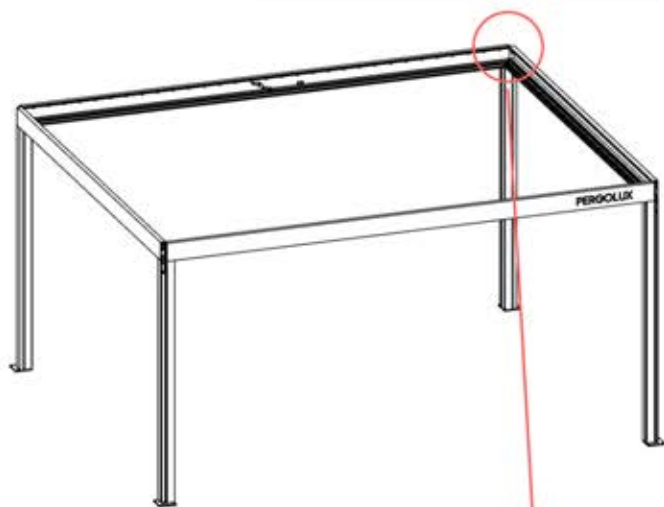
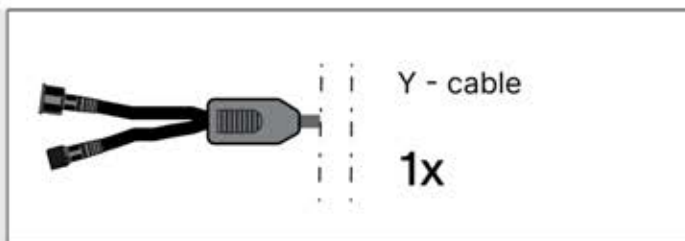
Tip: For a smoother LED installation, spray the track with soapy water before mounting.



12



13



14

x1
PERGOLUX

4

ANTHRACITE: B233
WHITE: B241
BLACK: B237

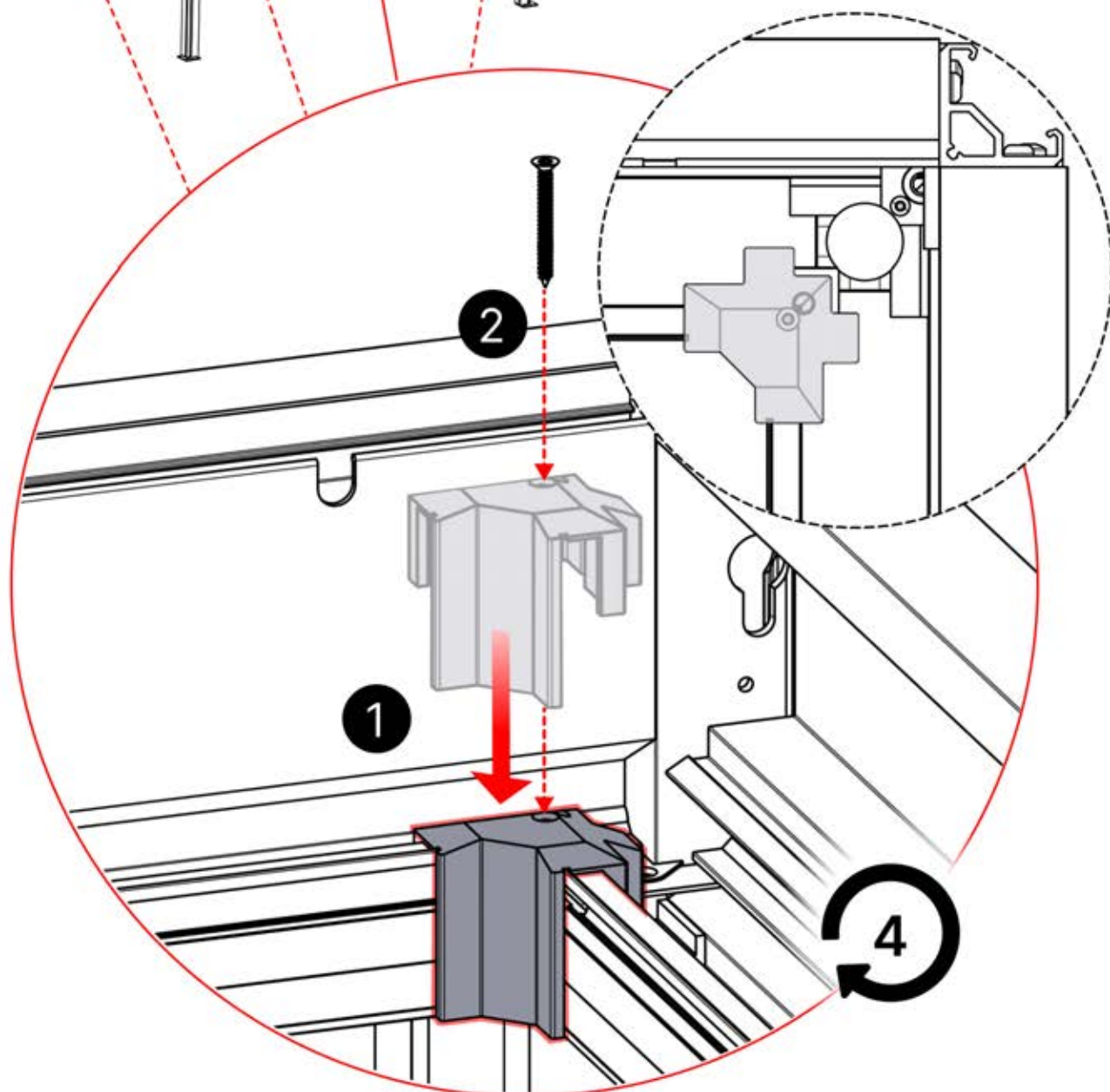
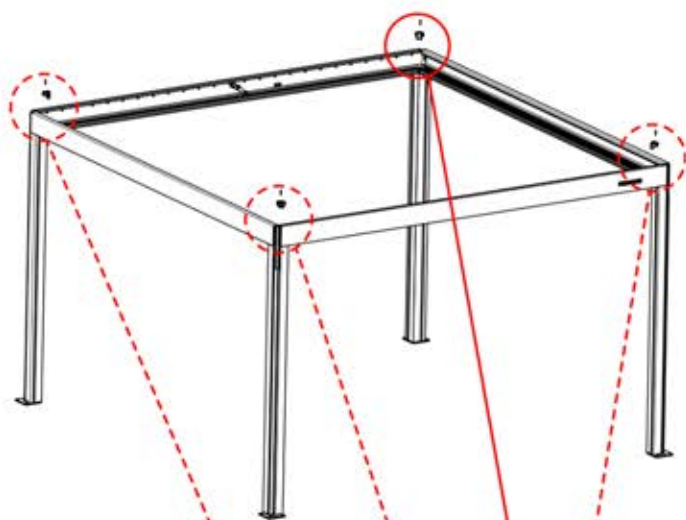
 PN-200002625
4x

PN-20000 **3284** 

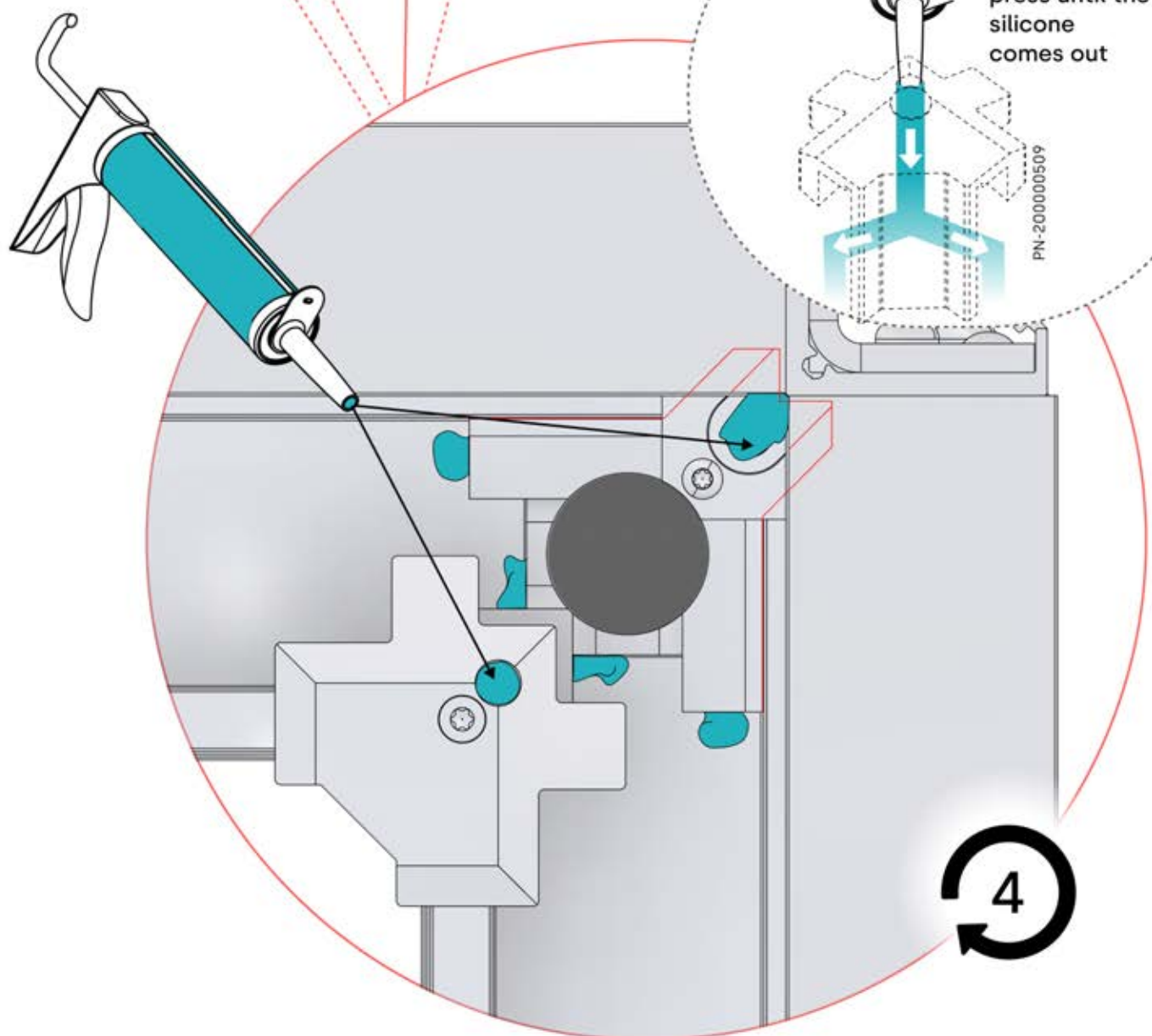
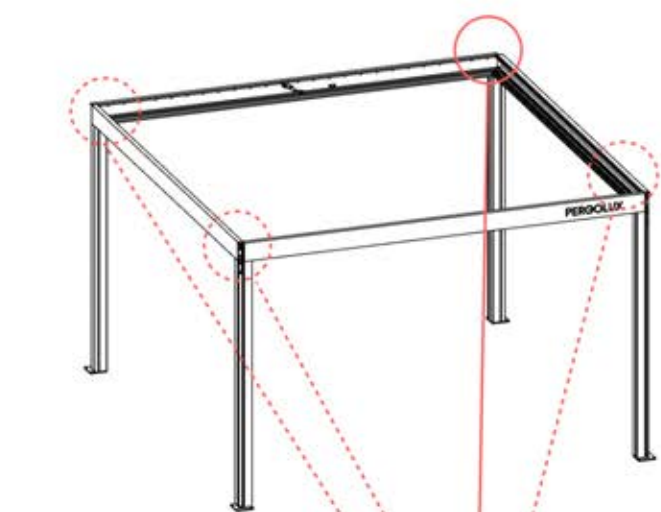
 4.2x40
5/32" x 1-9/16"

PN-200000960
4x

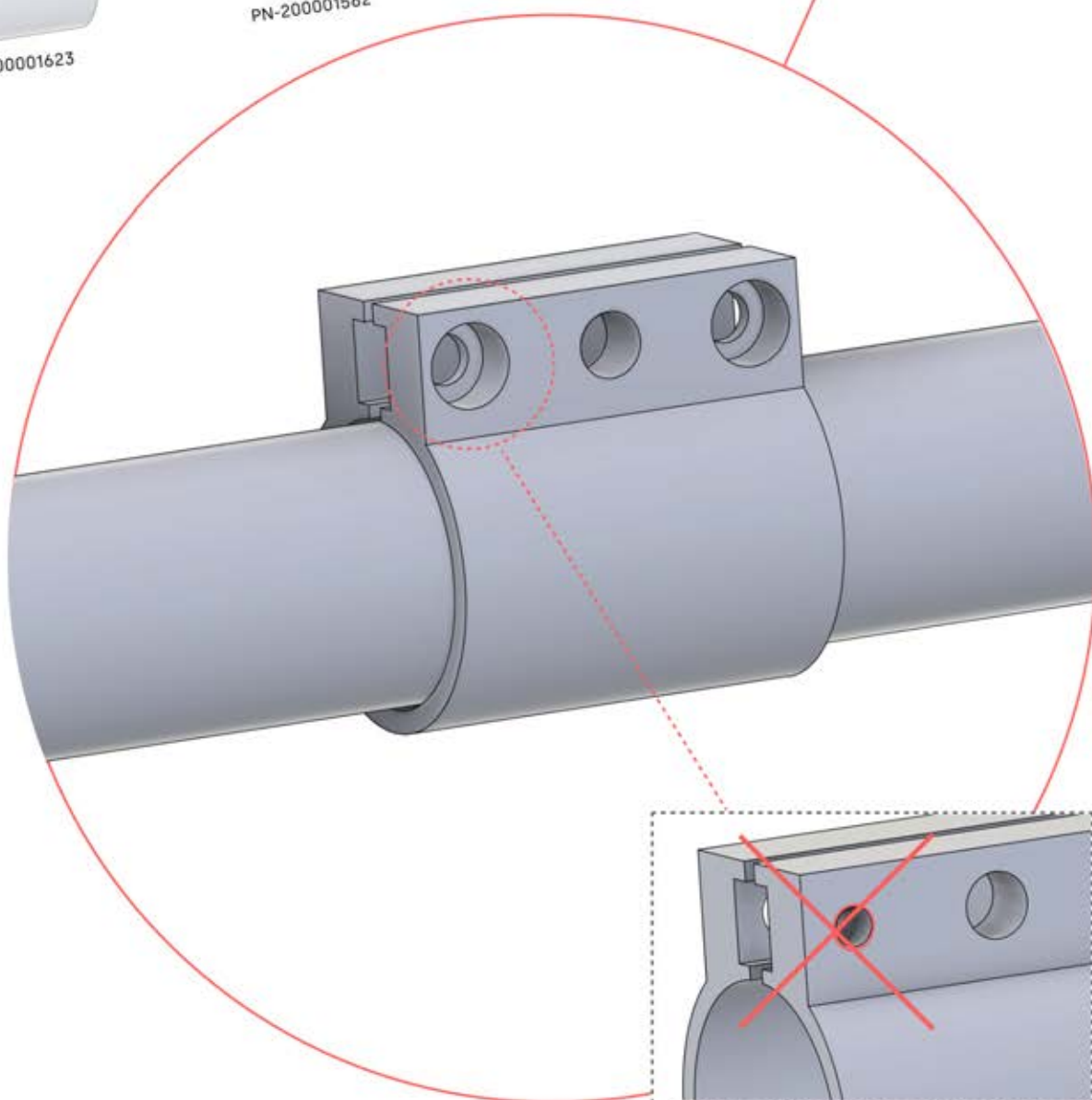
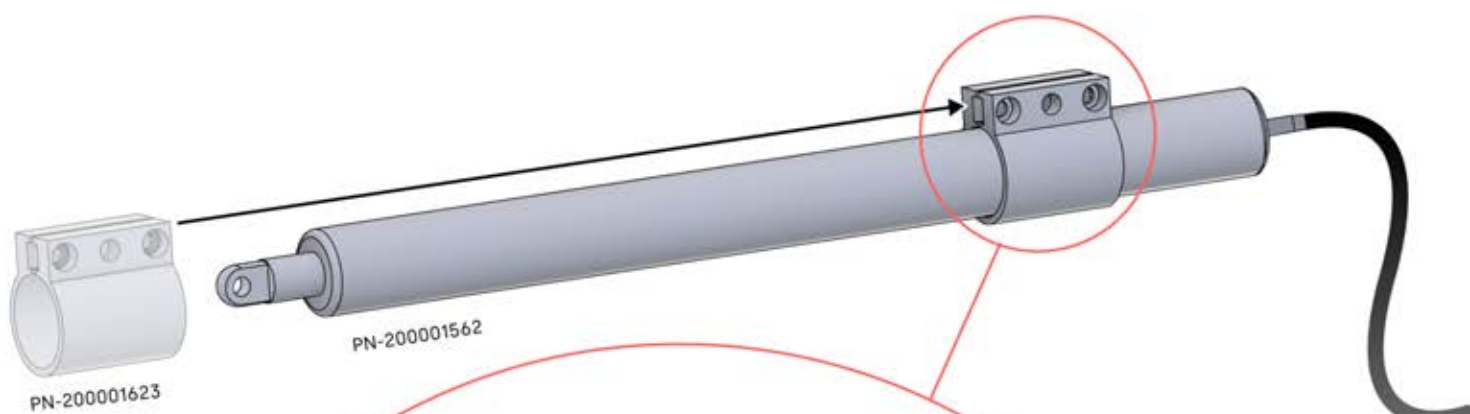
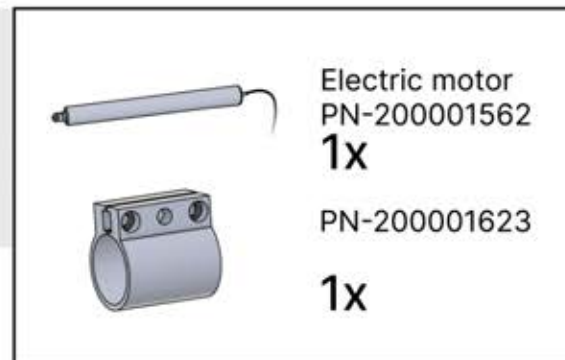
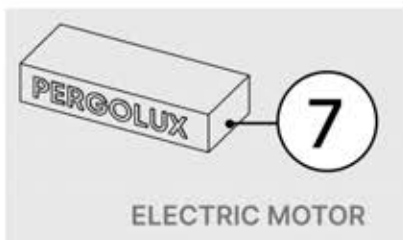
PN-20000 **3379** 



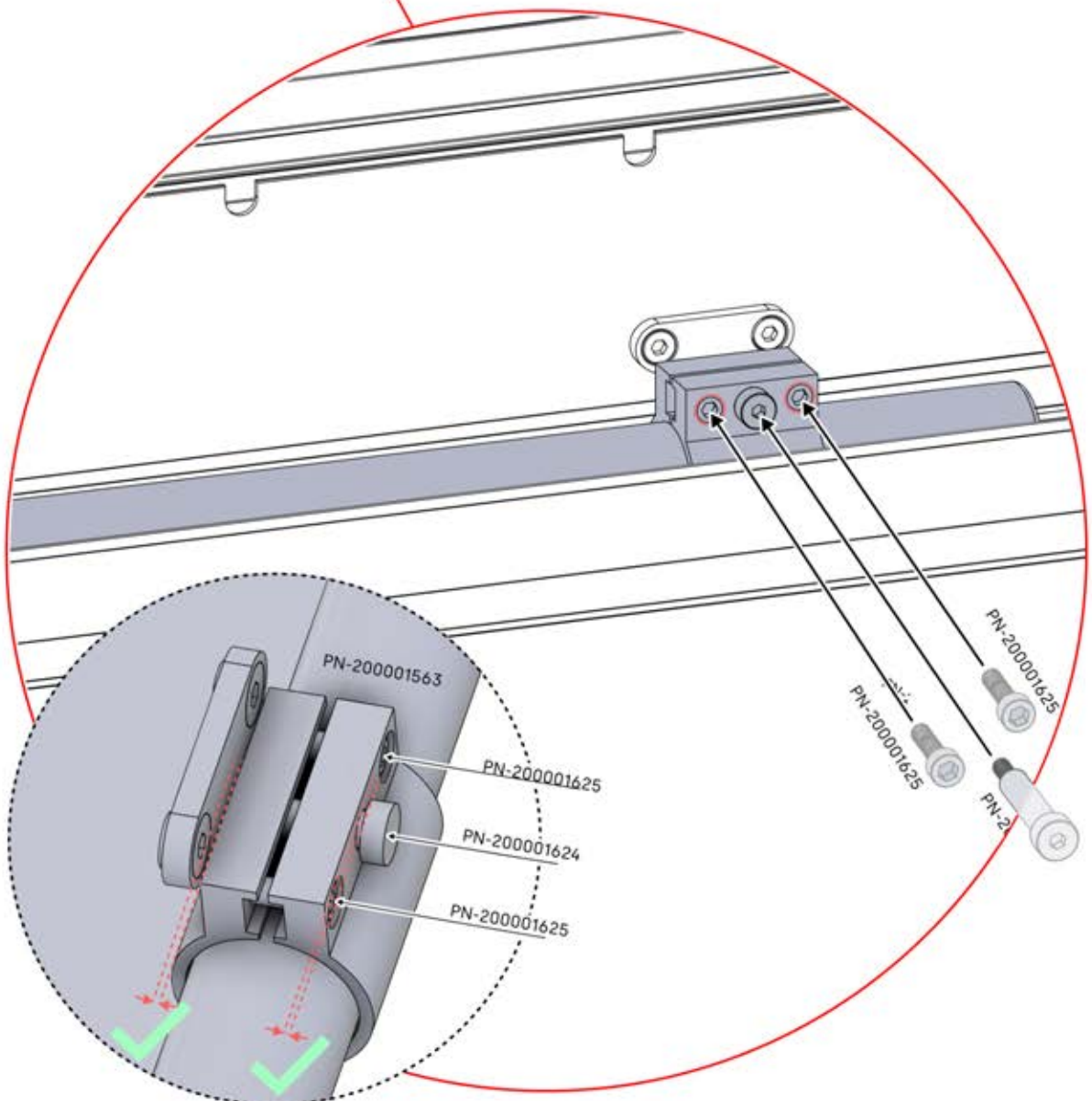
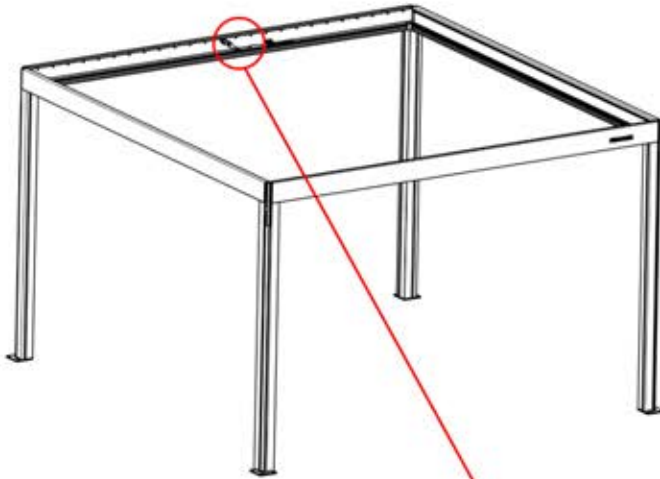
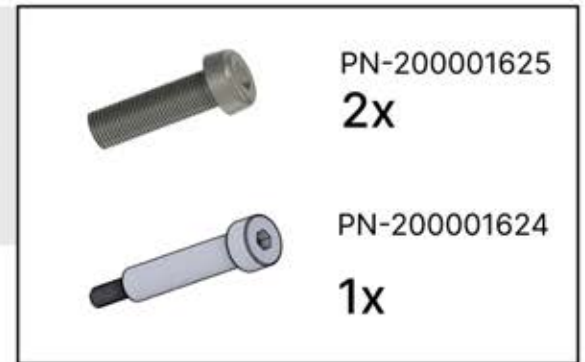
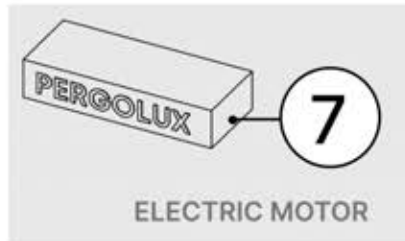
15



16



17



18



4

ANTHRACITE: B233
WHITE: B241
BLACK: B237



PN-200003372

1x



PN-200000502

1x



PN-200003373

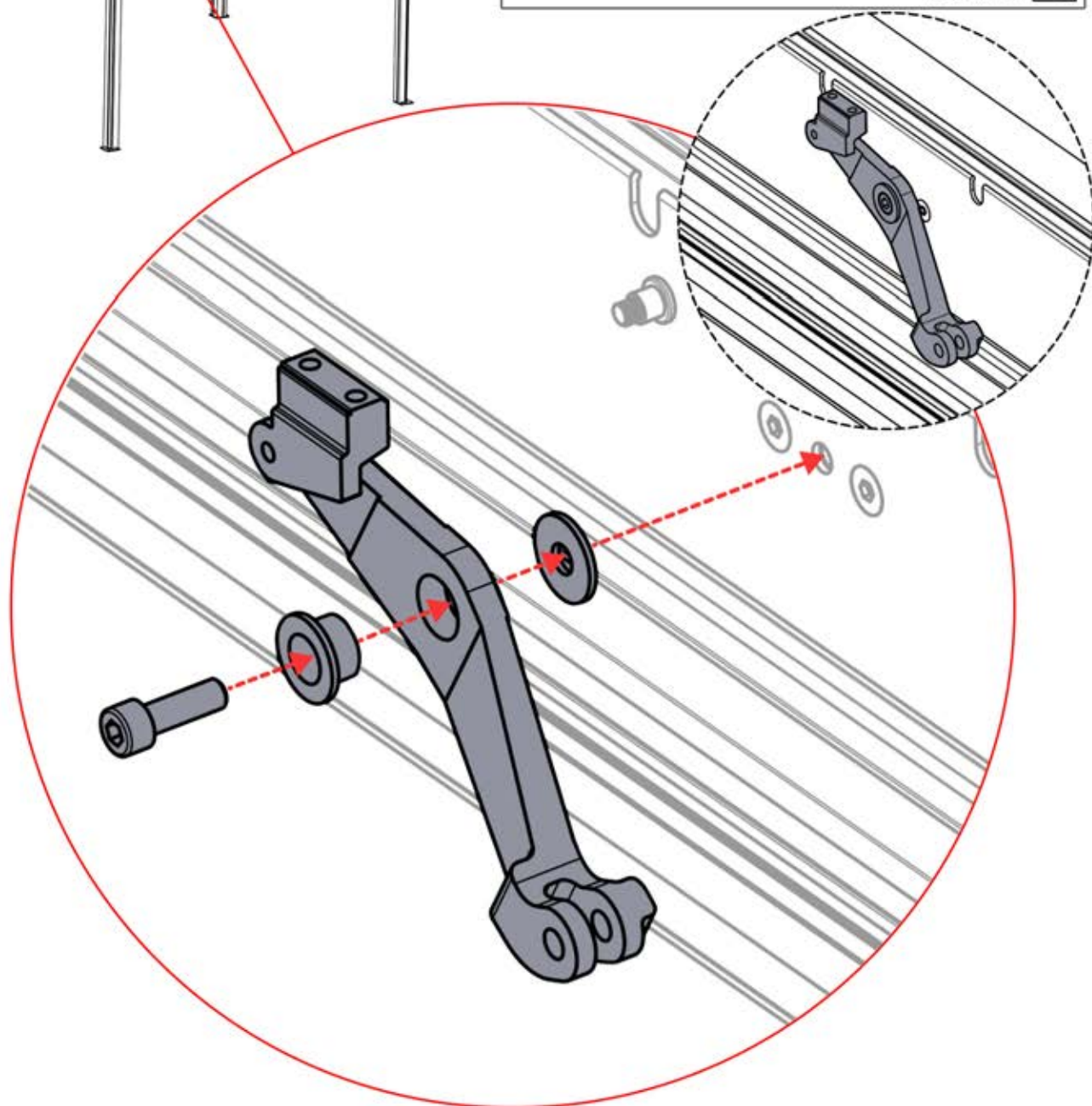
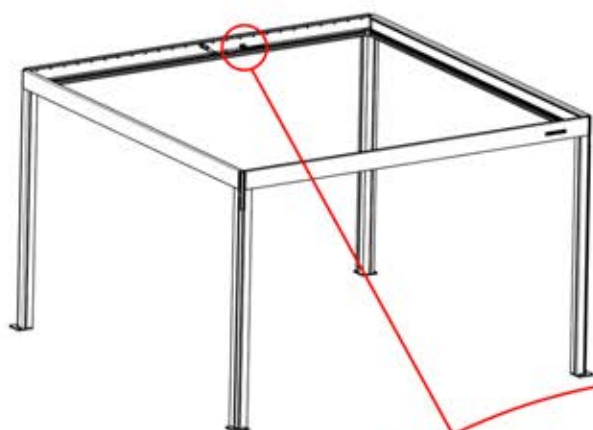
1x



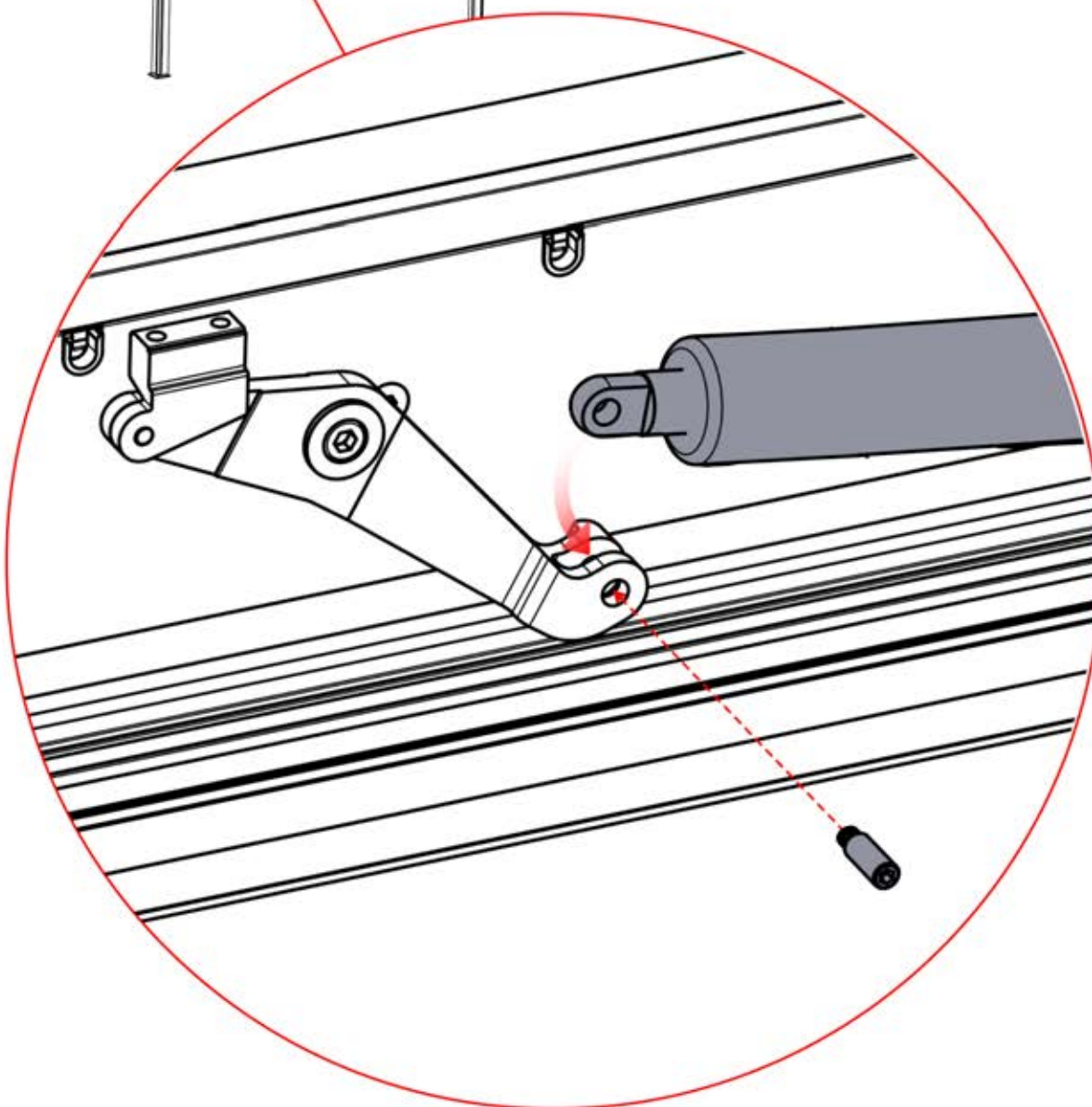
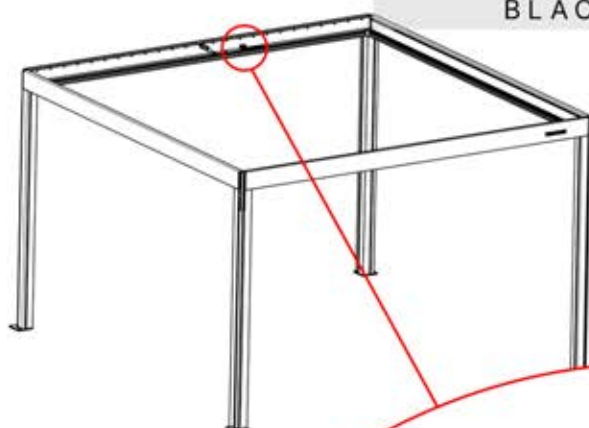
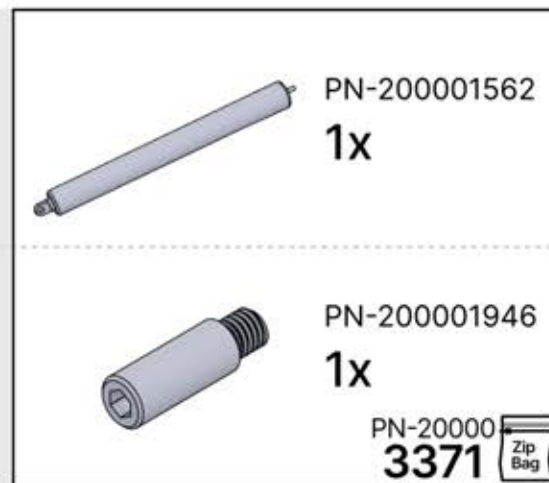
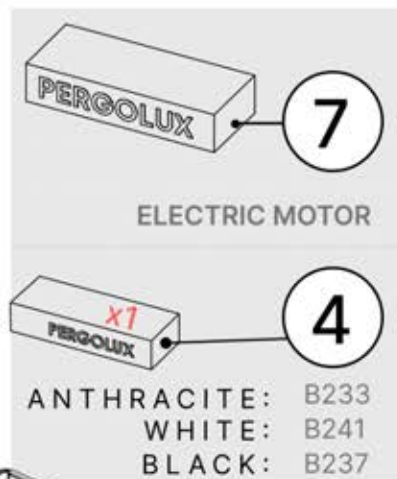
PN-200000561

1x

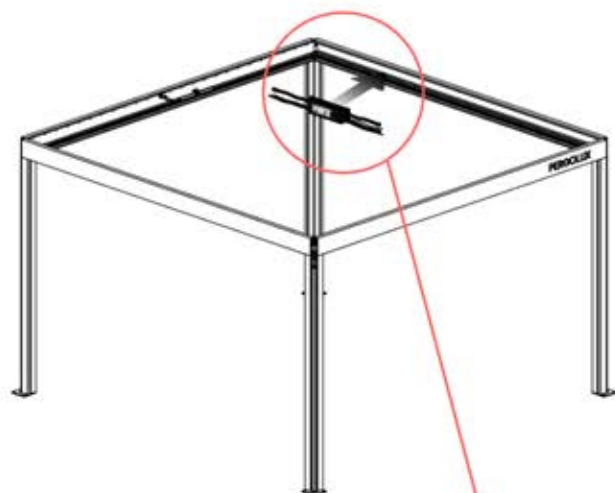
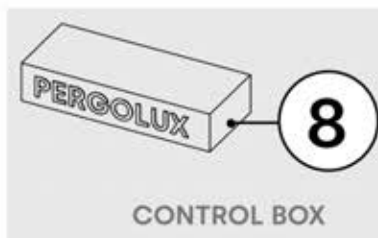
PN-20000
3371



19

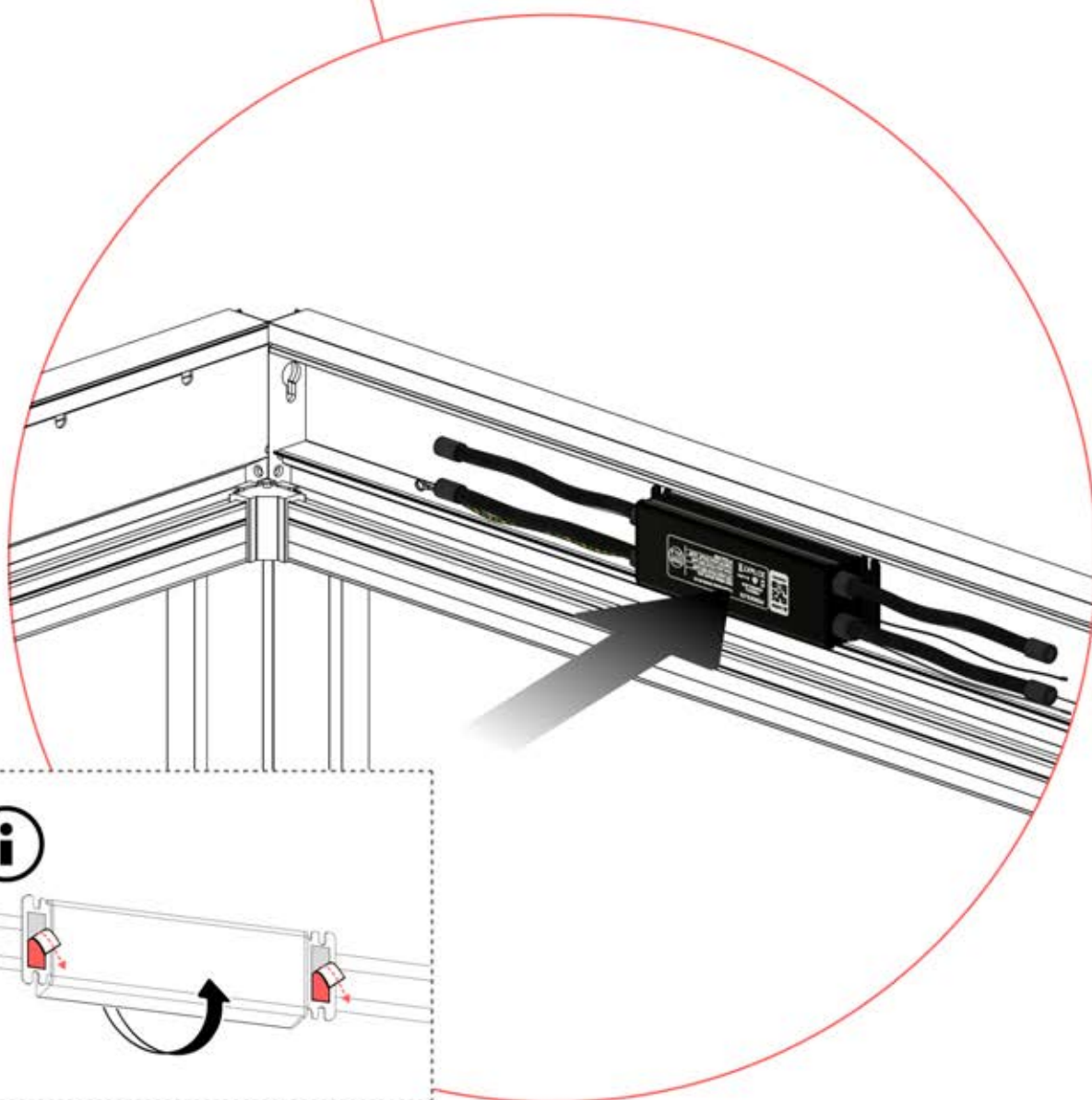


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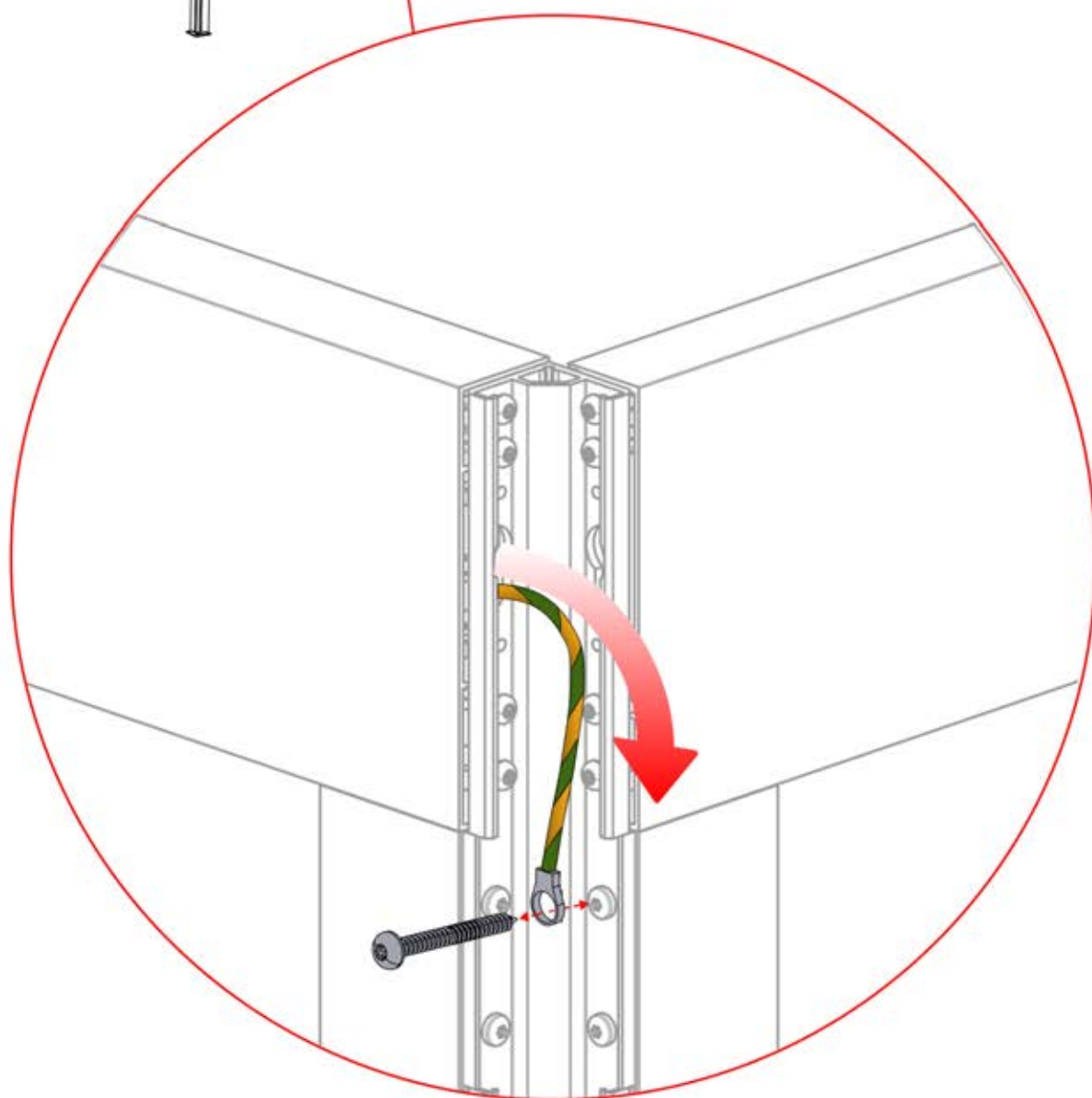
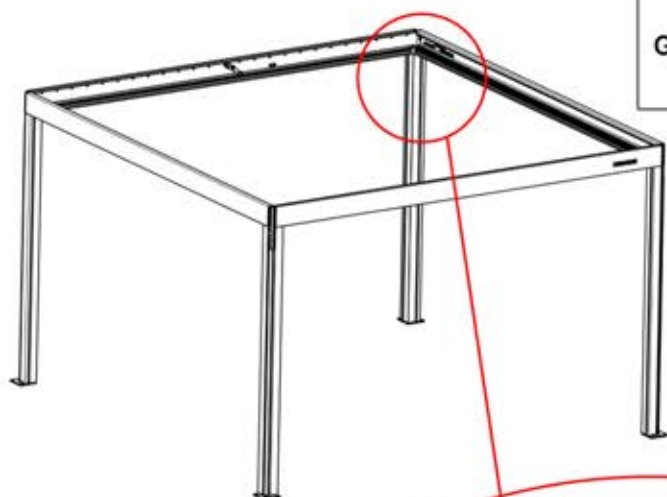
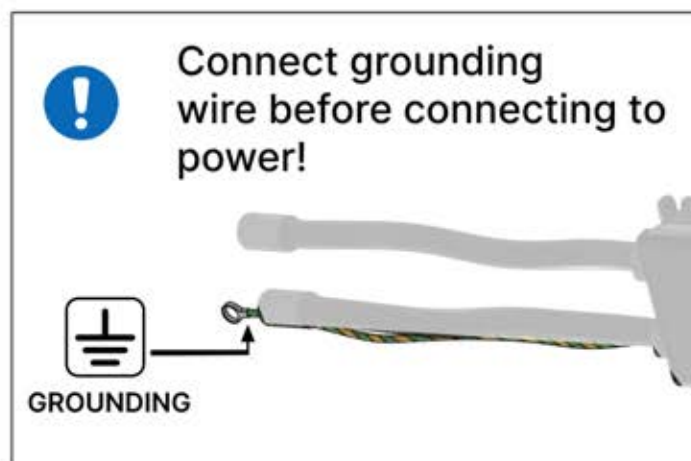


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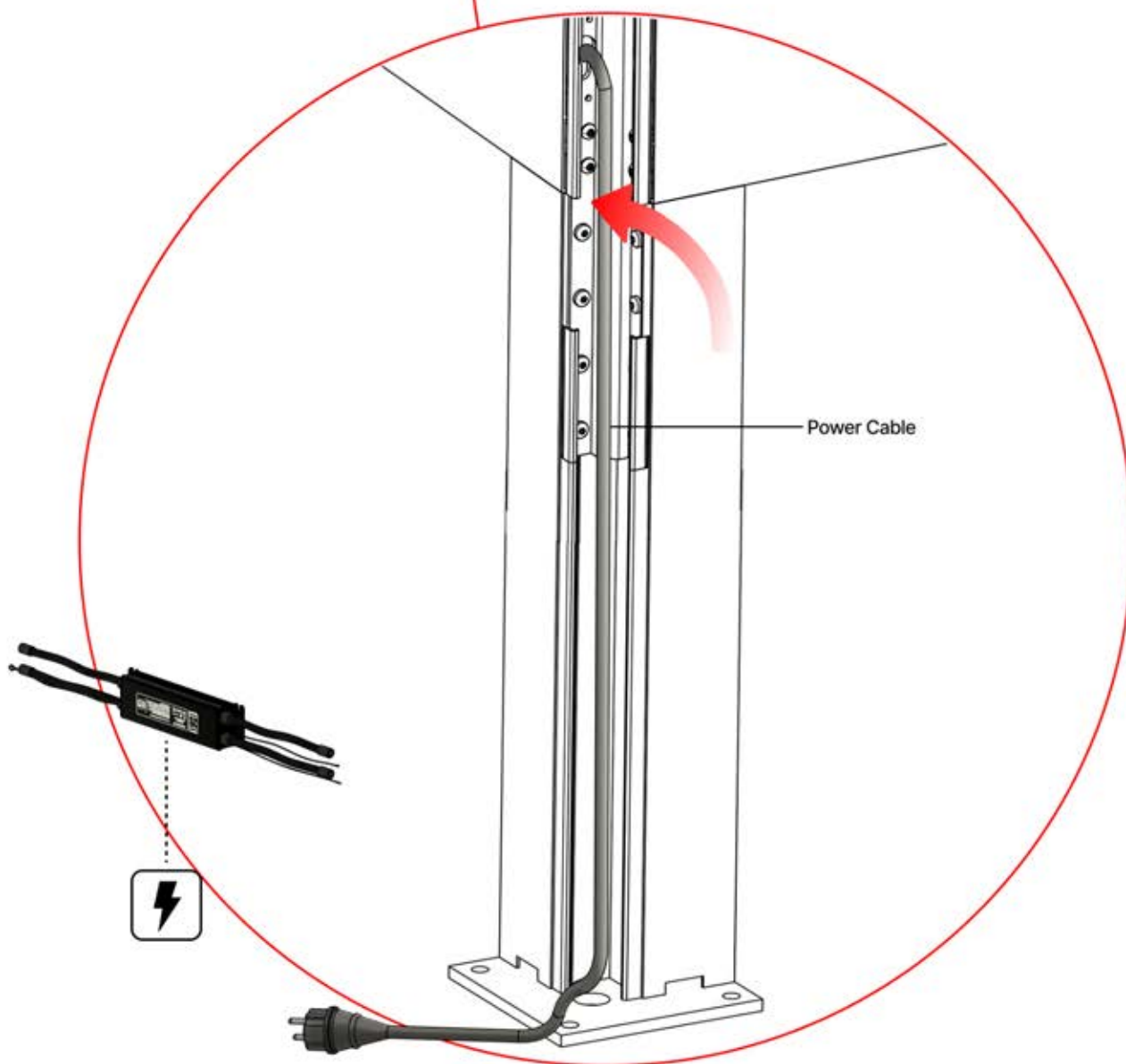
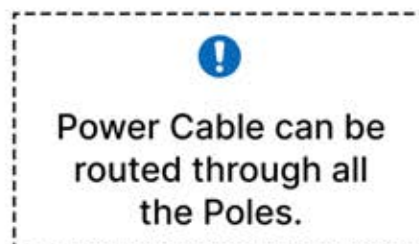
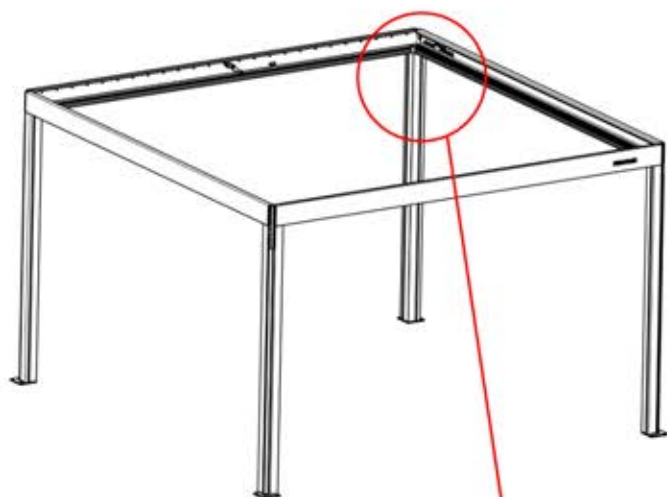
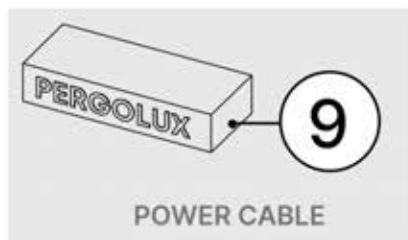
Control Box can be
installed on
Preferred W BEAM



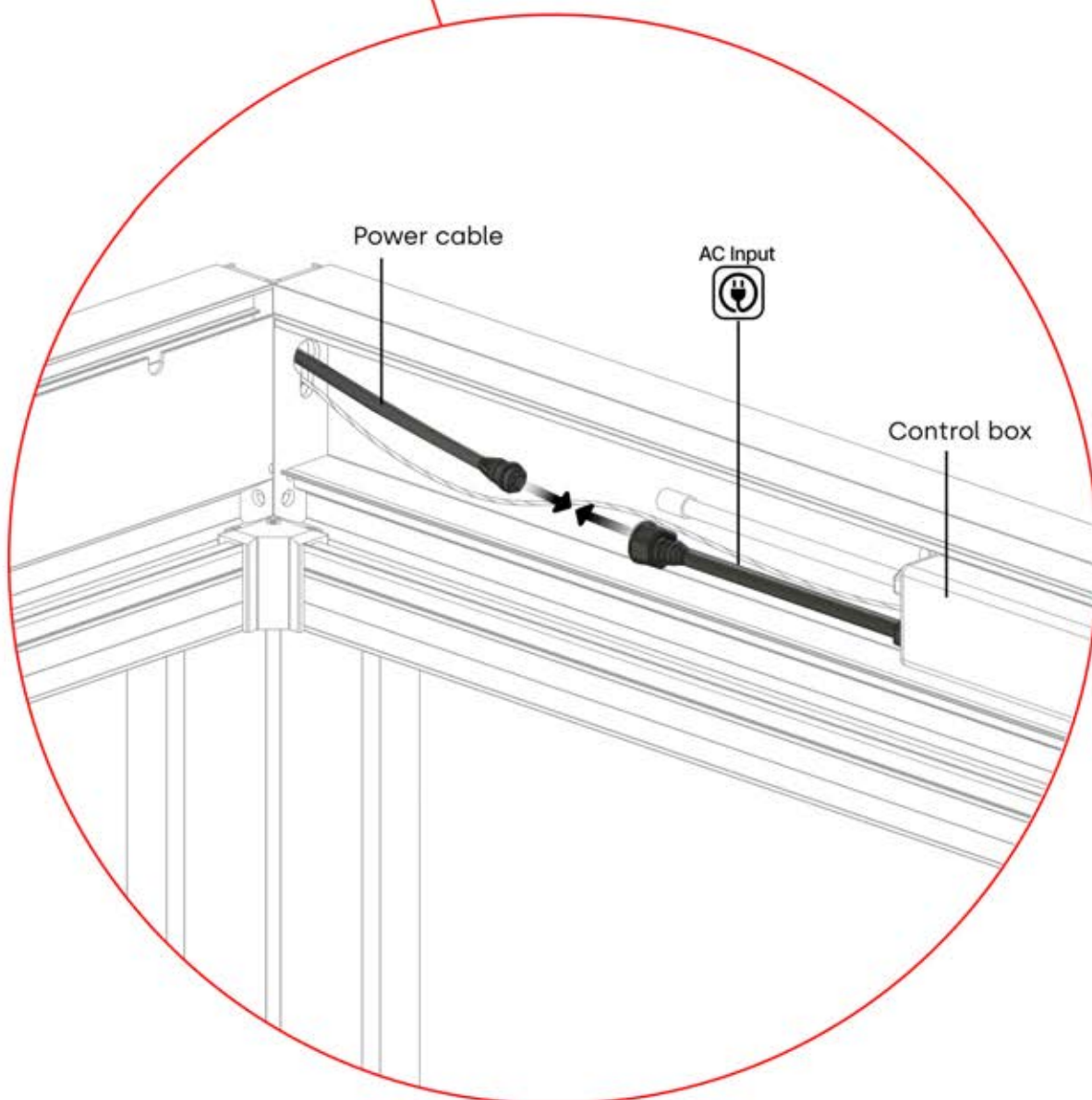
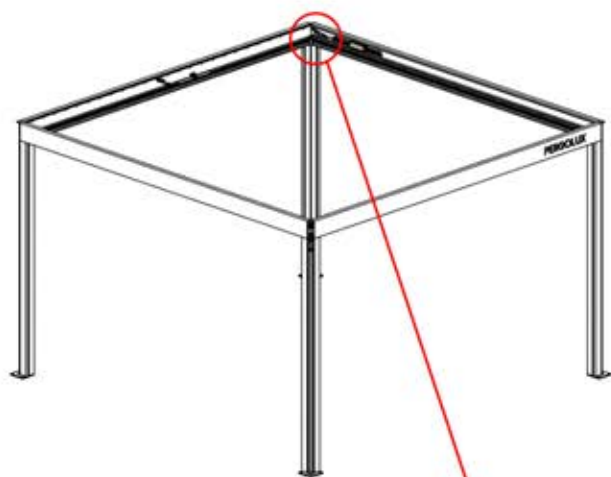
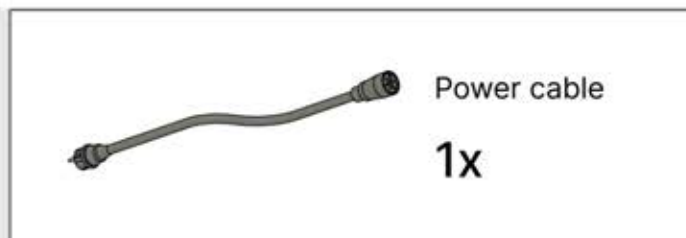
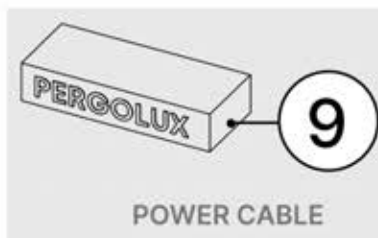
21



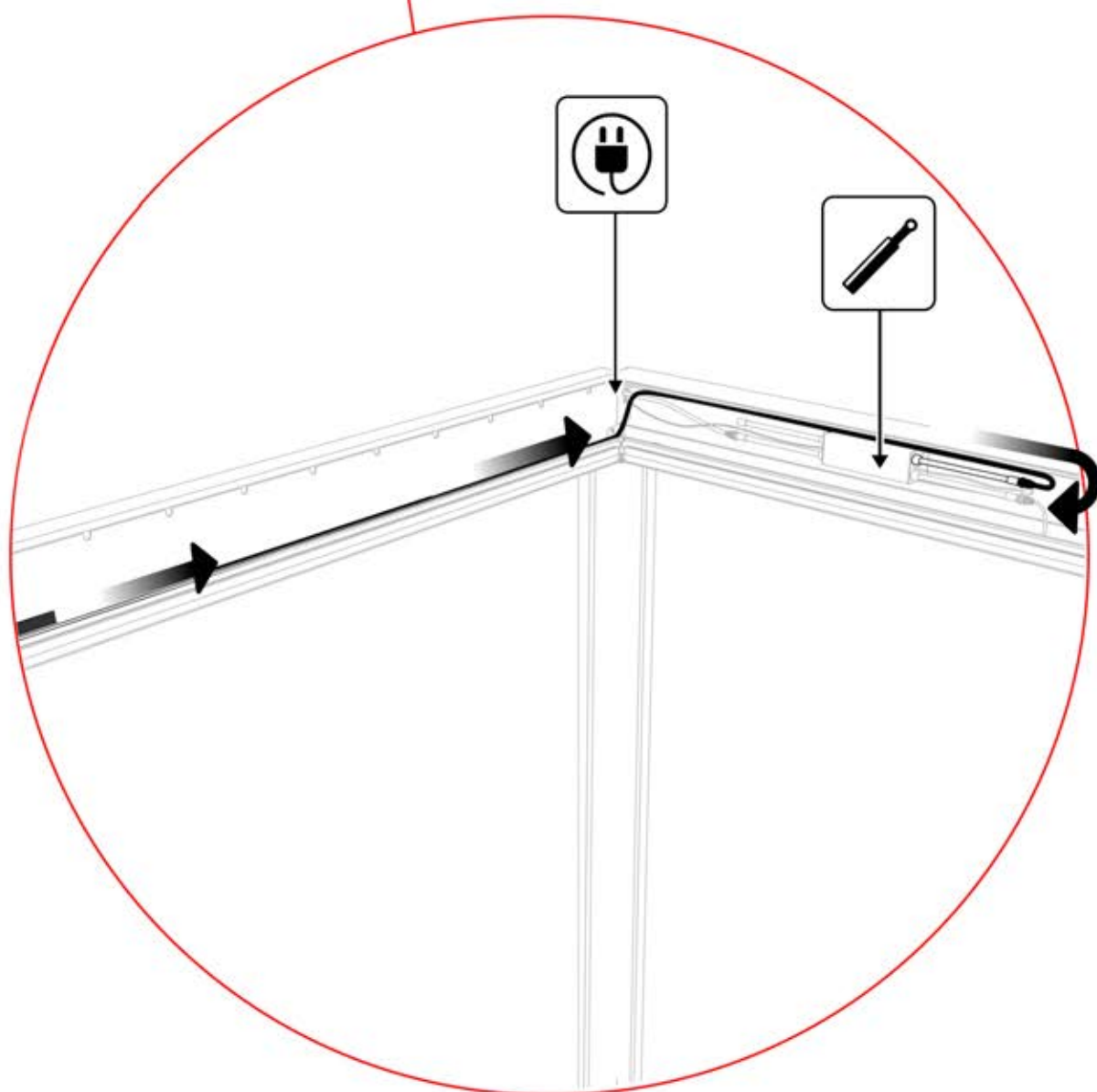
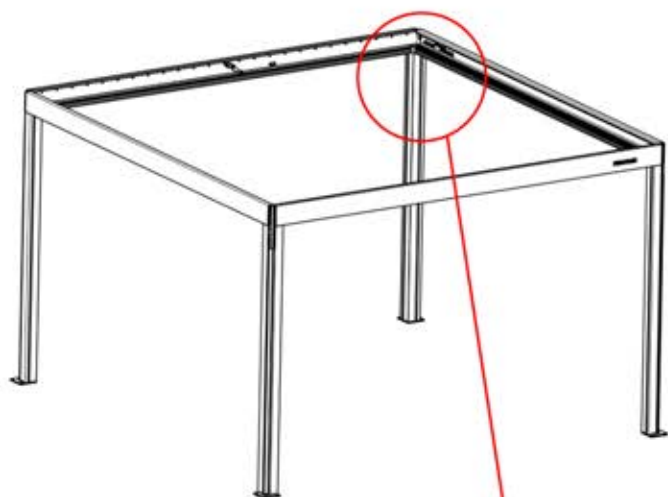
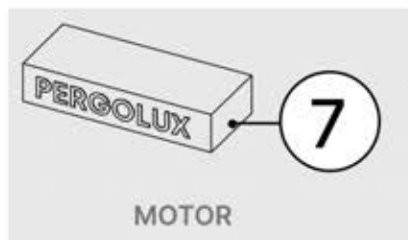
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23



24

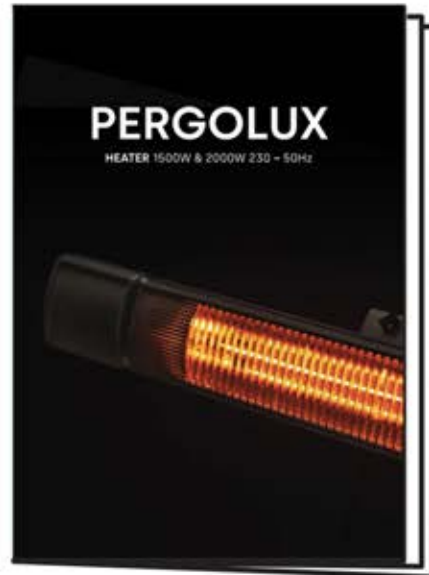


25

1

If you are going to install a heater, do it now.

Follow the instructions in the heater assembly manual.



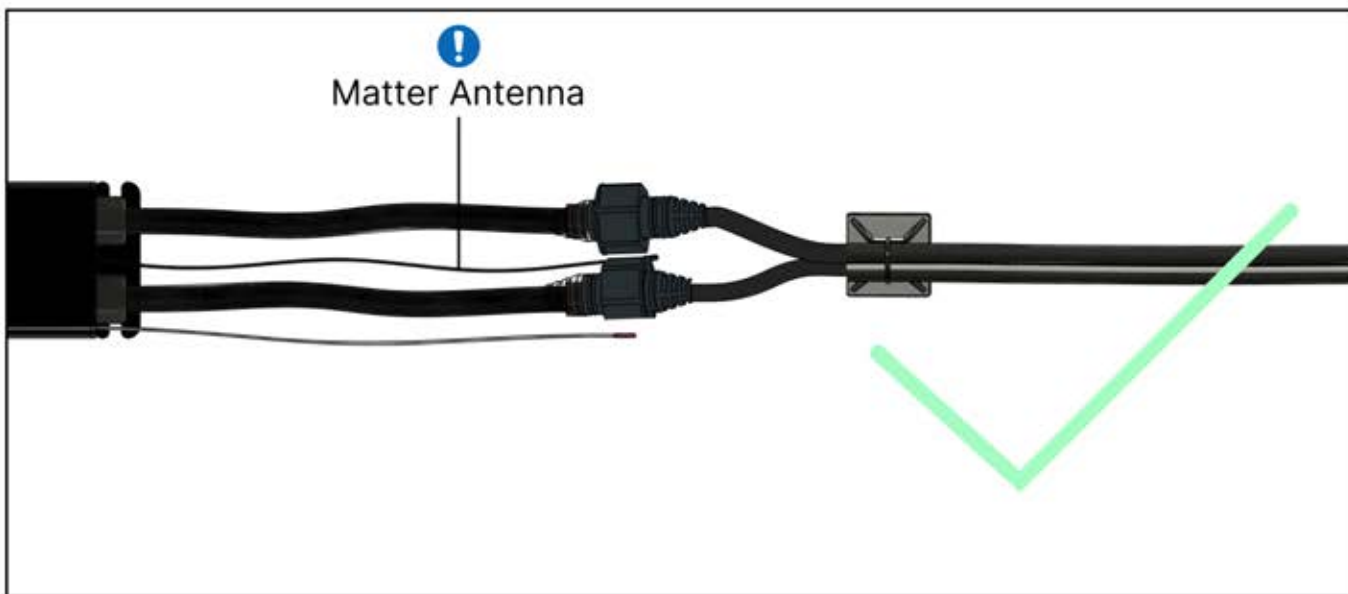
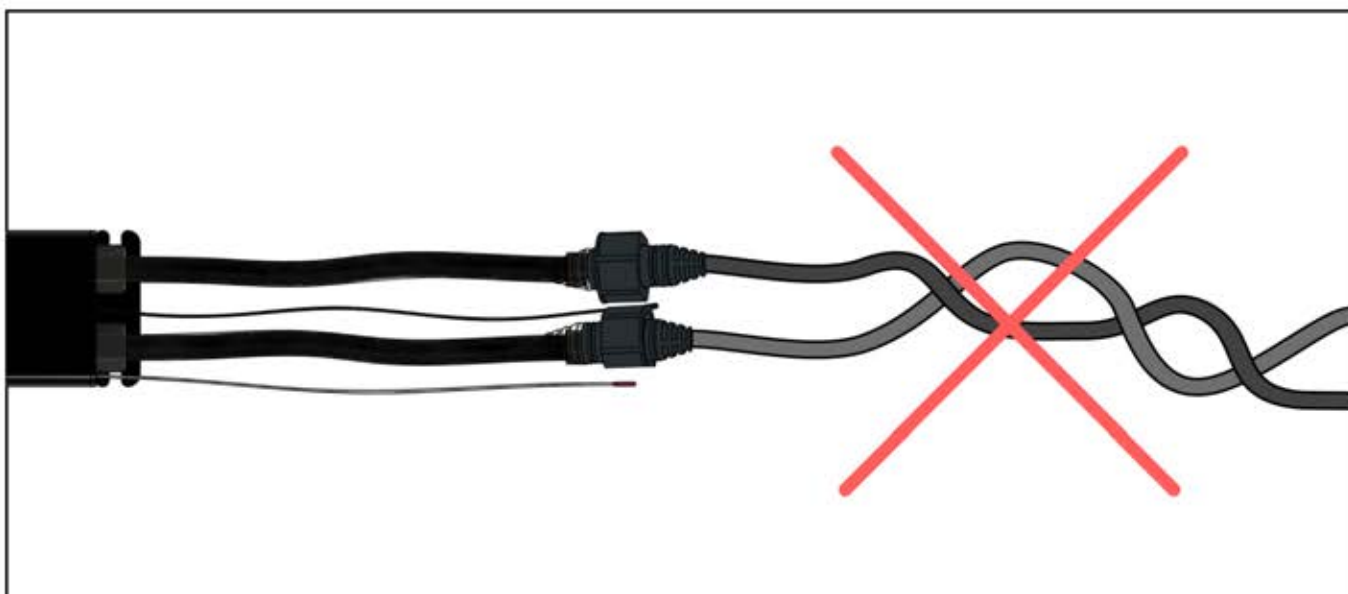
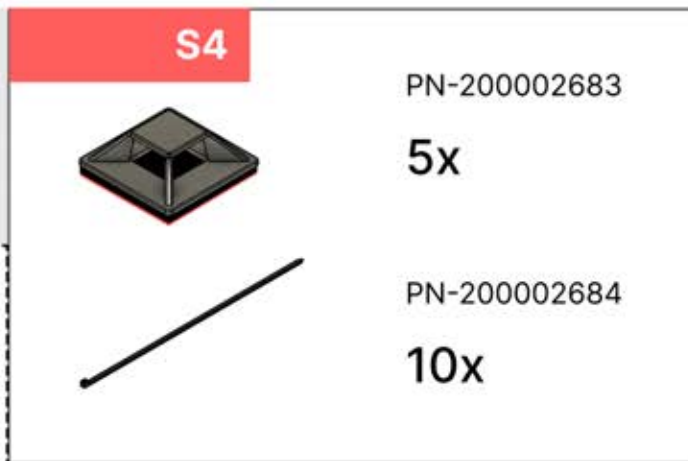
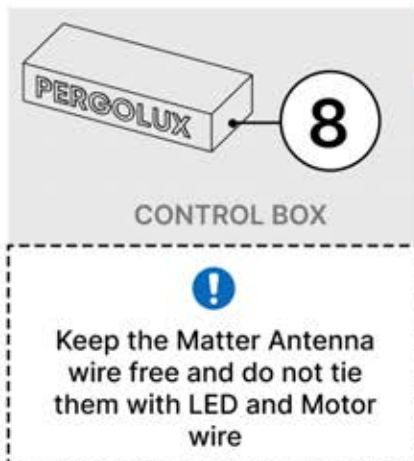
2

It's time to connect the motor and LED lights to the pergola control box.

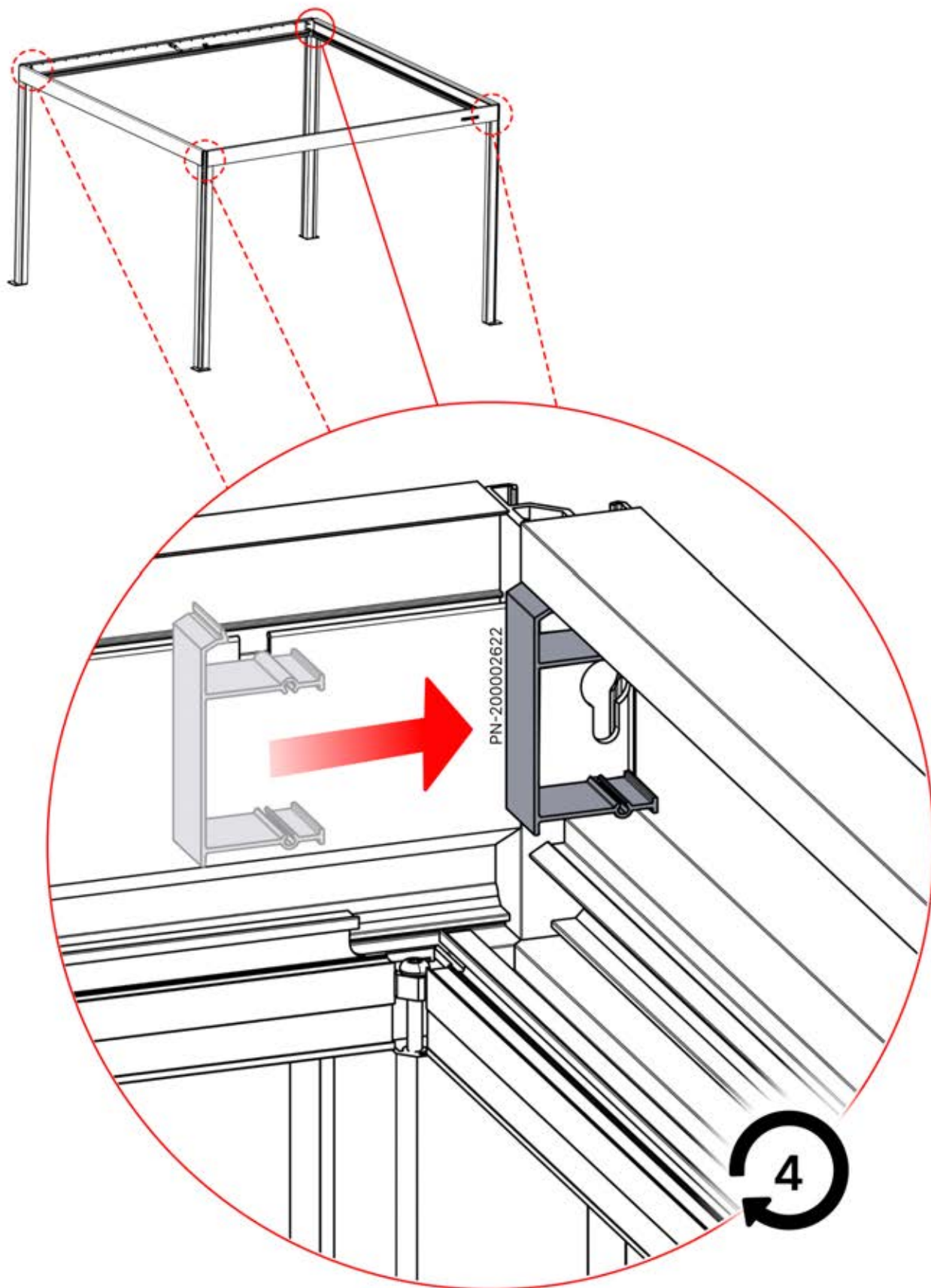
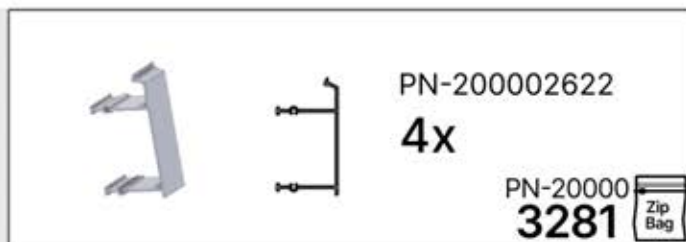
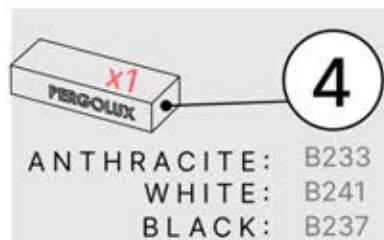
Follow the instruction in the assembly manual.



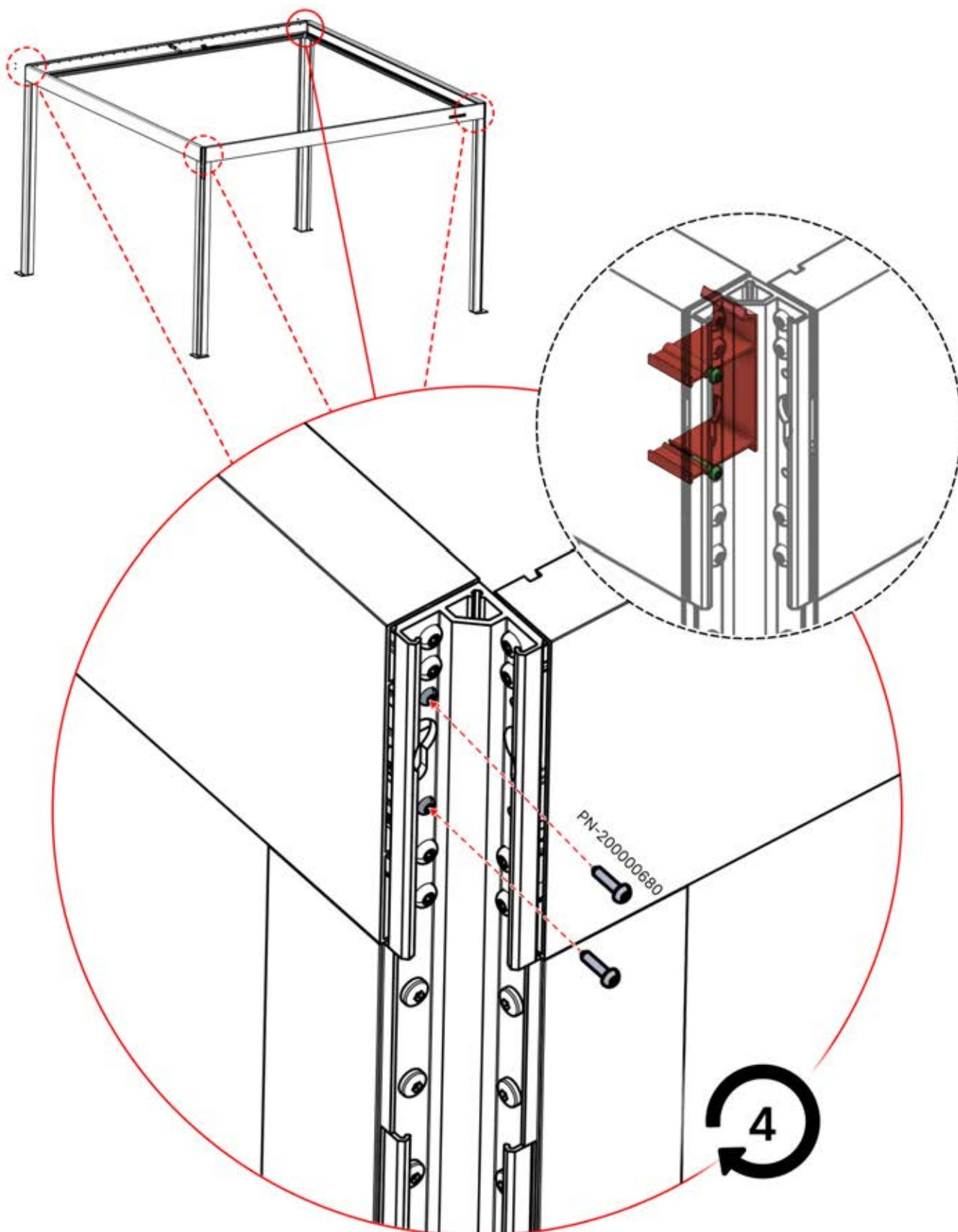
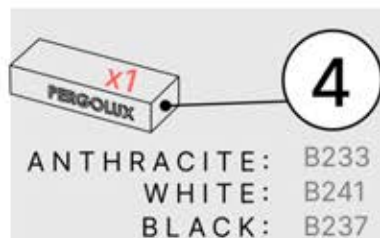
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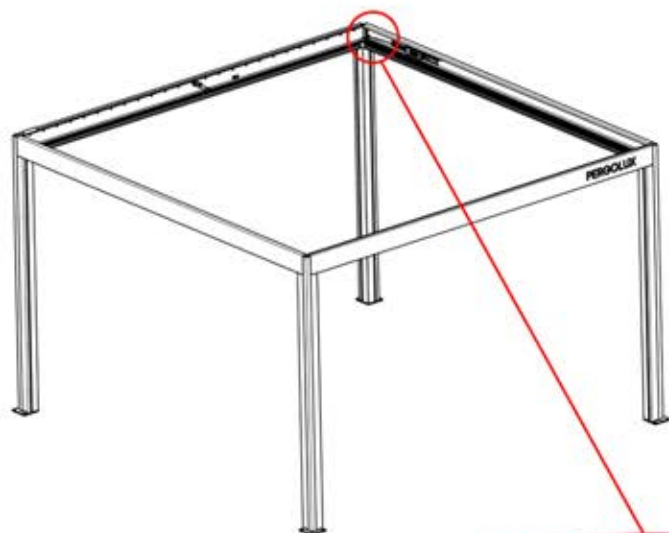


27

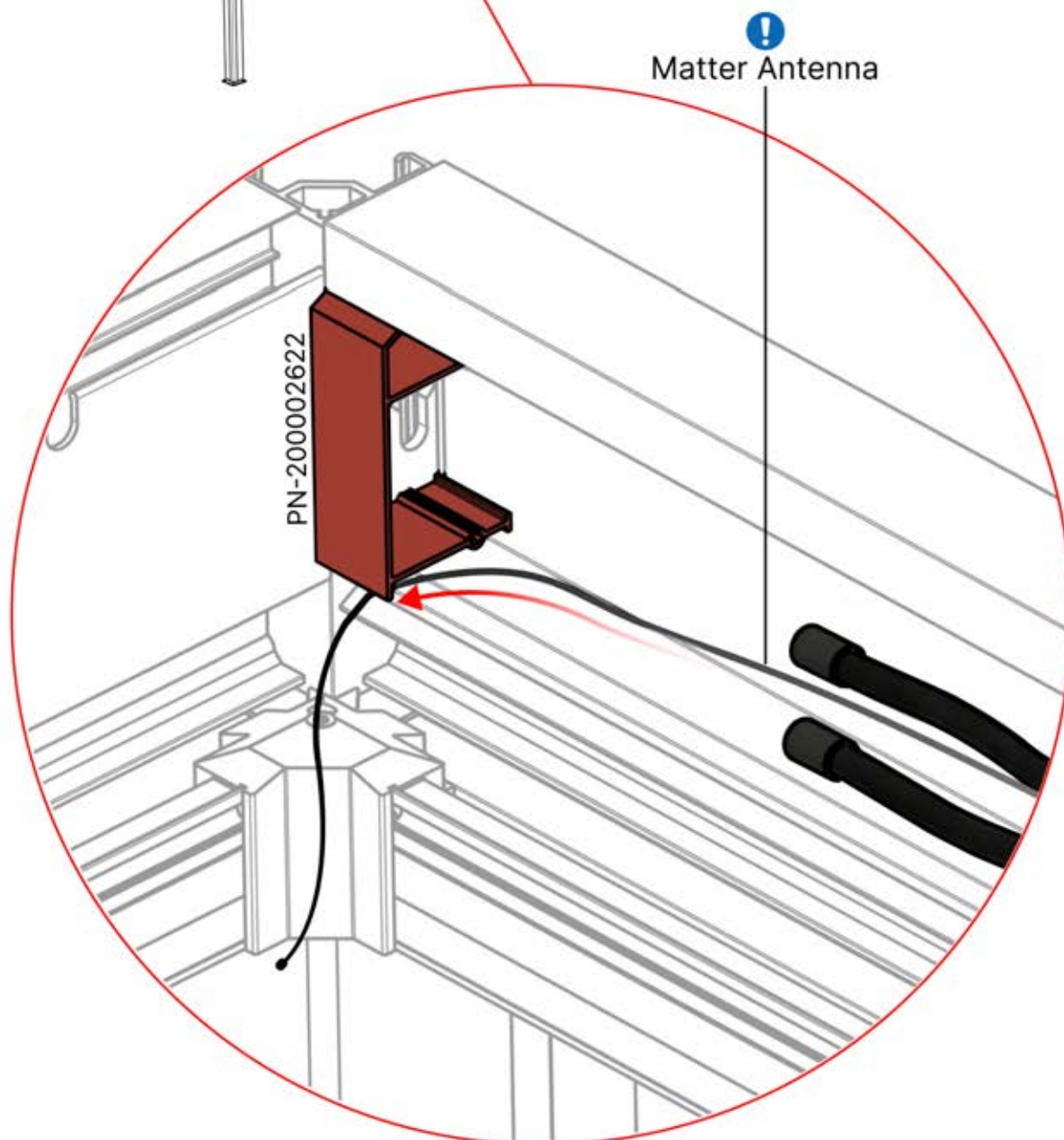


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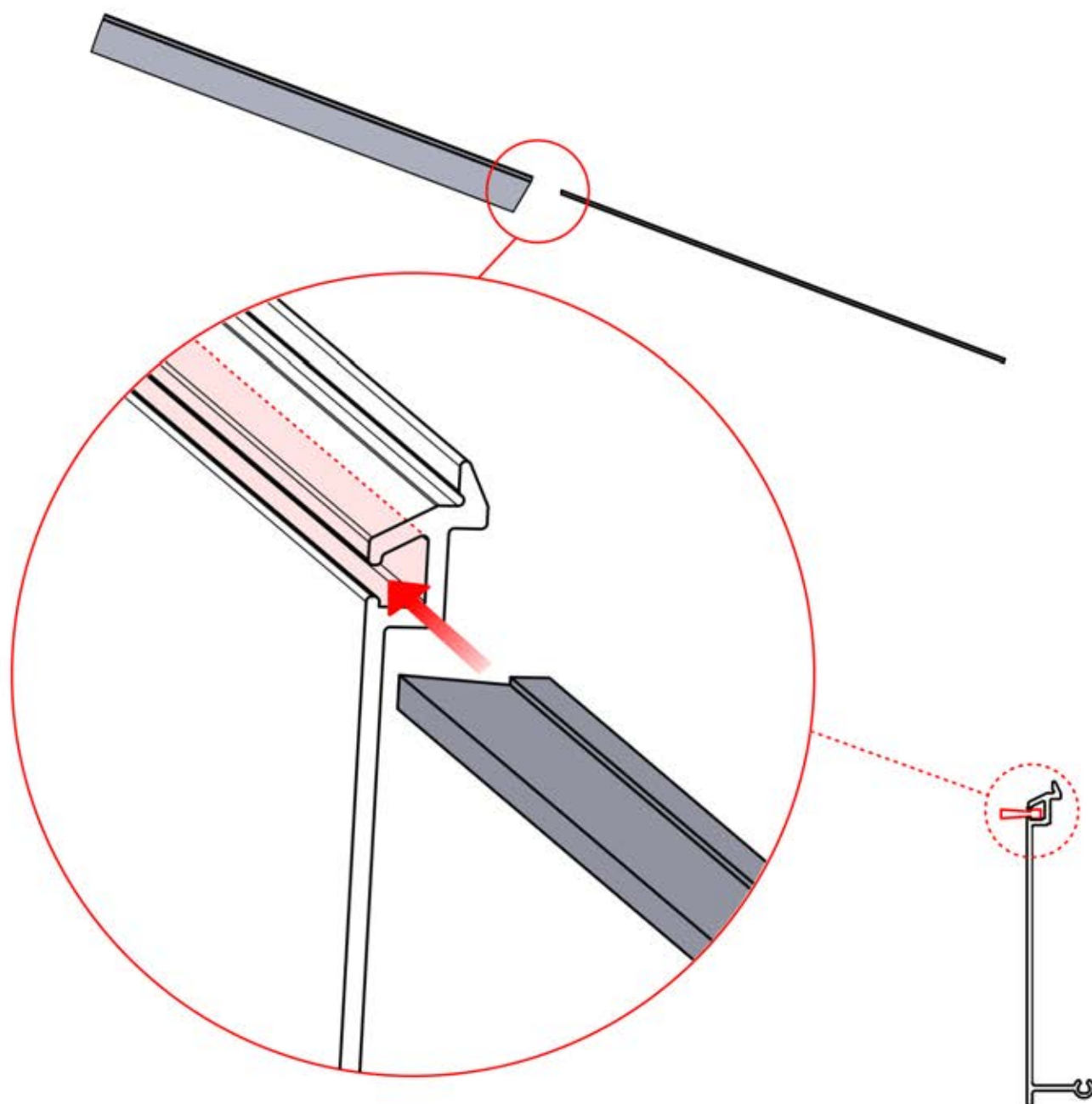
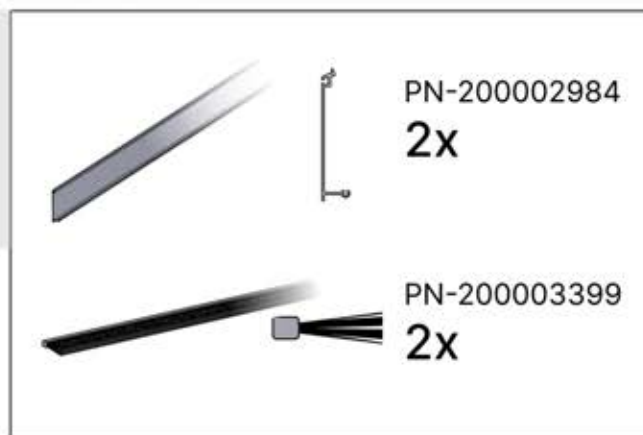
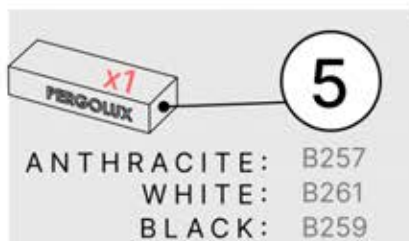




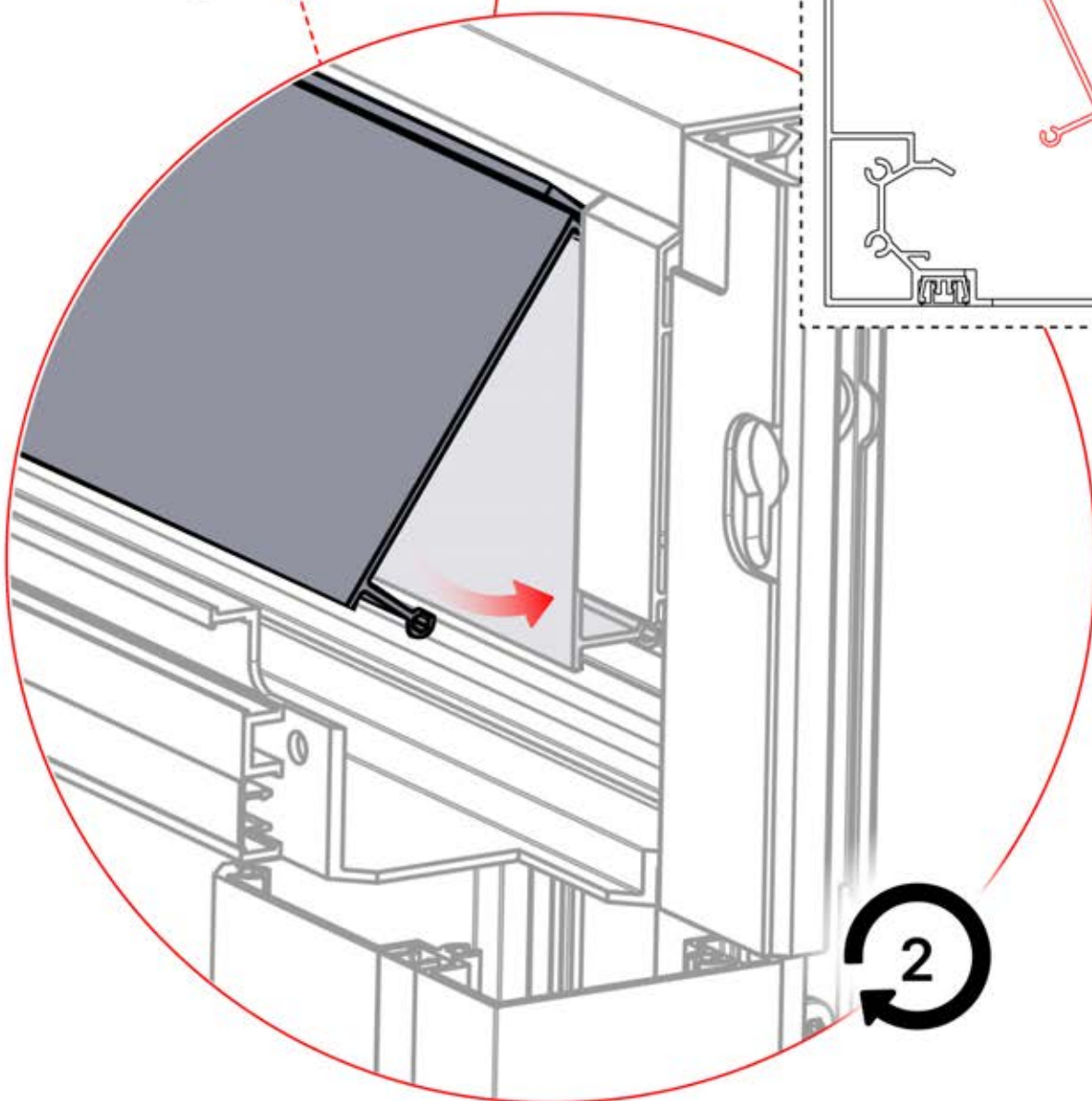
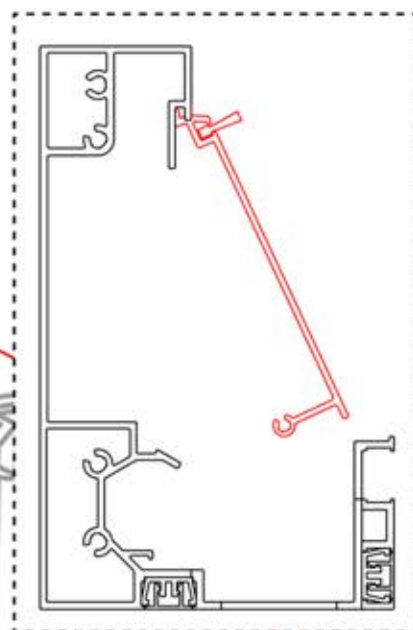
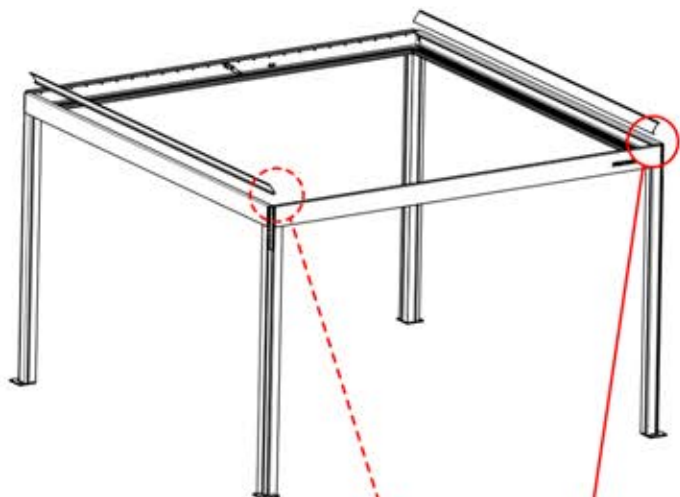
!
Route the Matter
Antenna and place it
below the highlighted
part(PN-200002622).



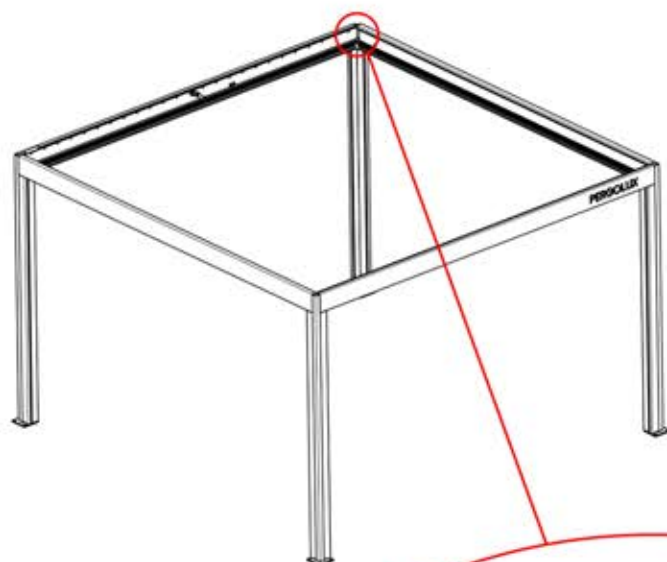
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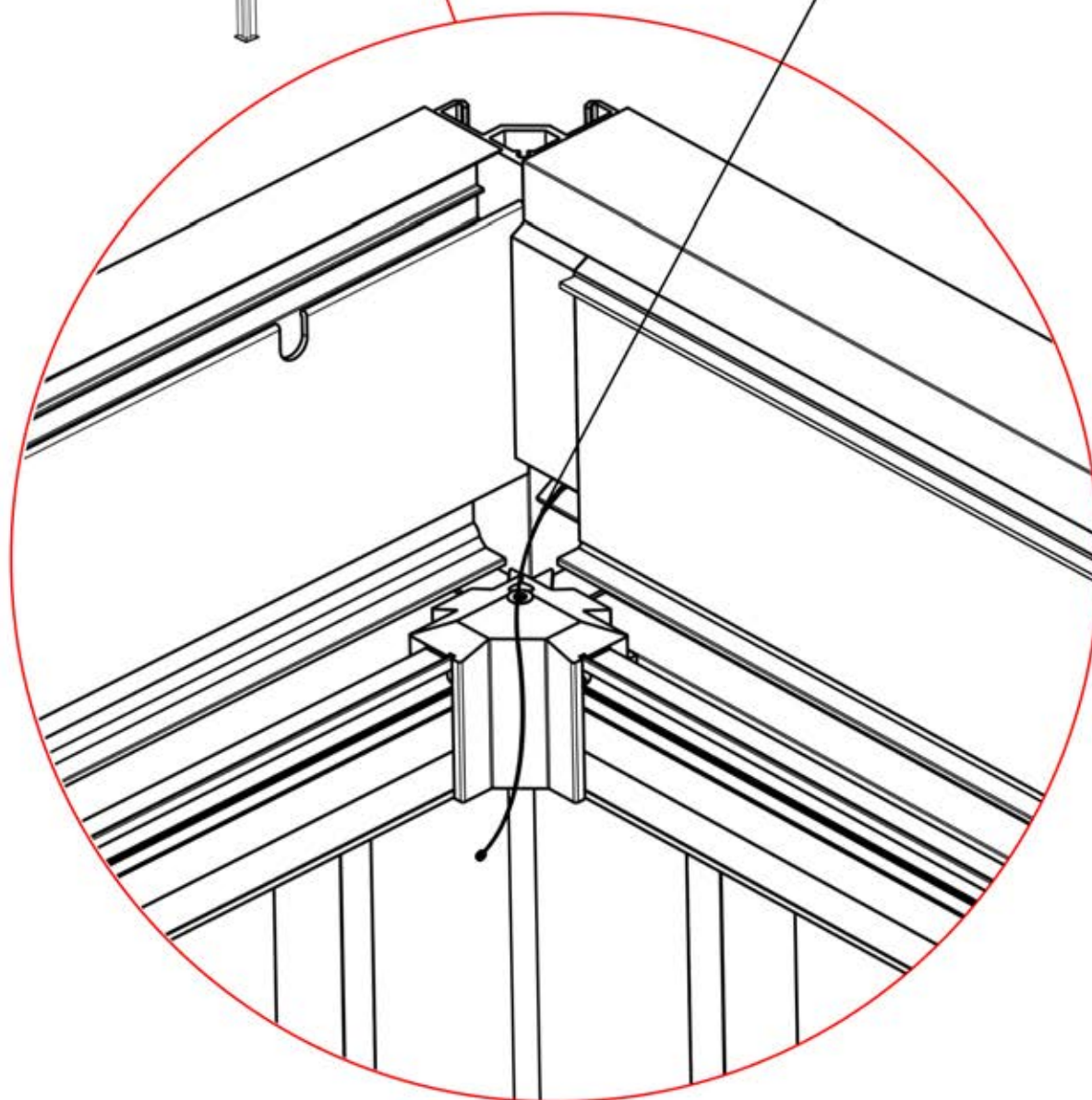
31



INFORMATION



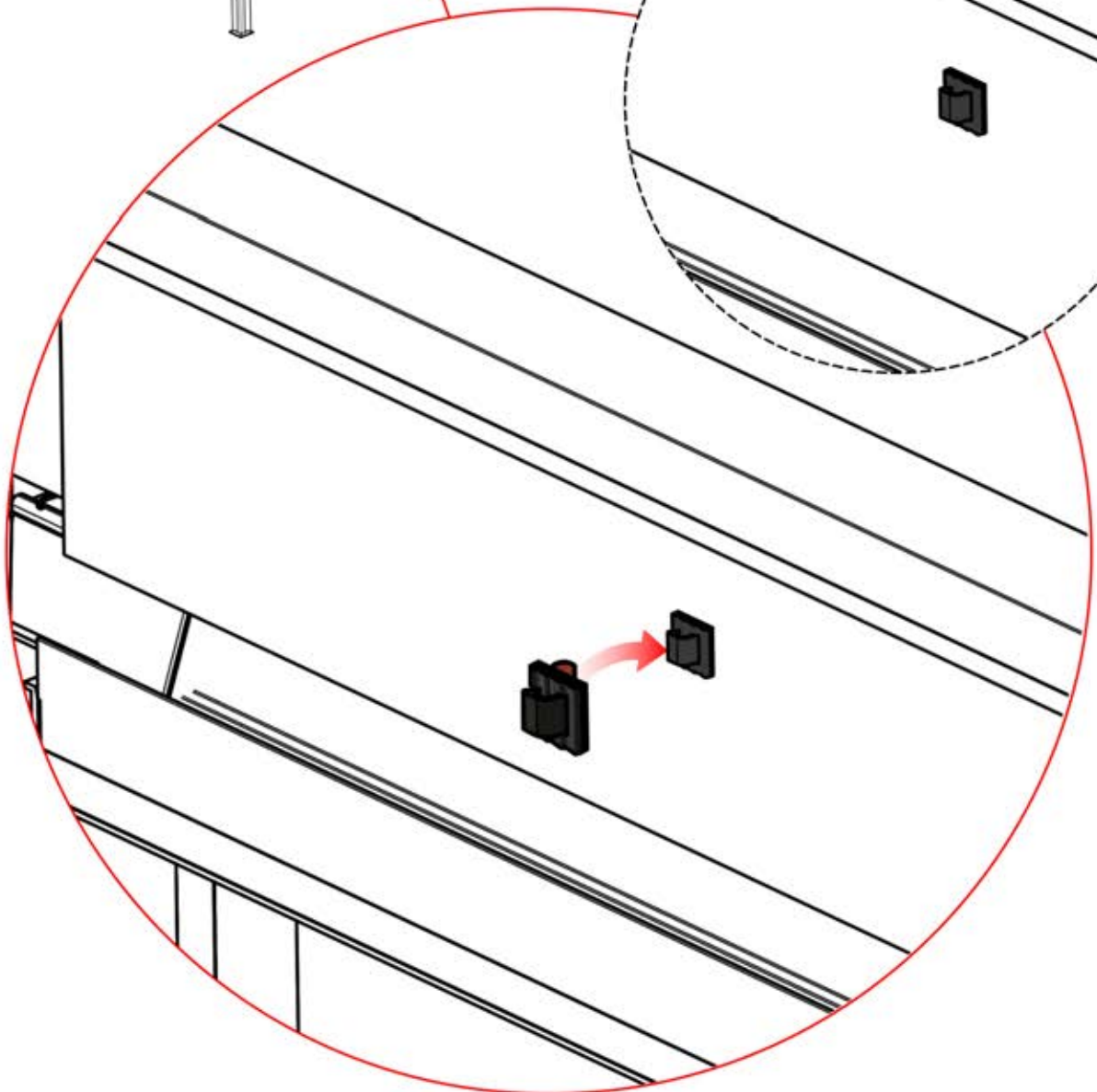
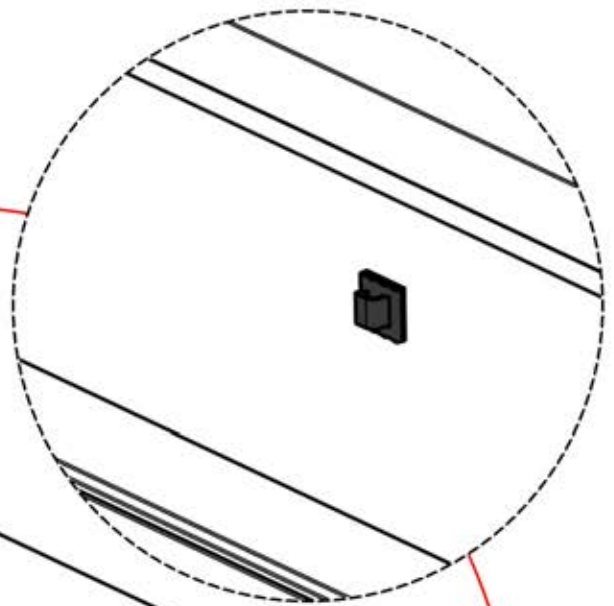
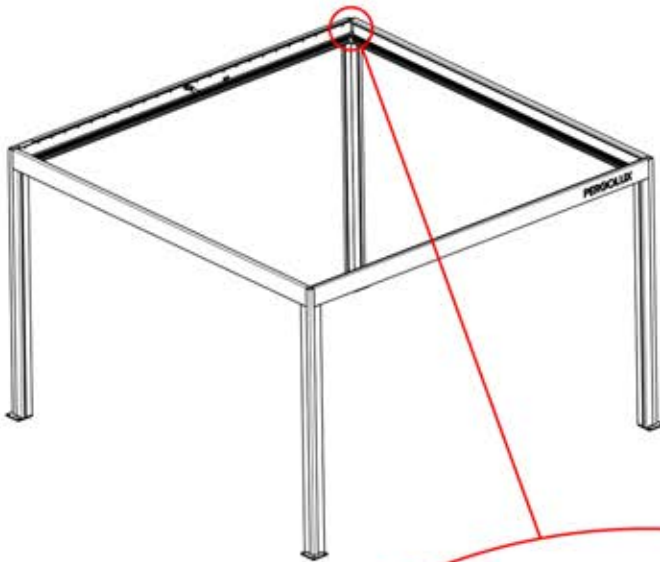
Matter Antenna



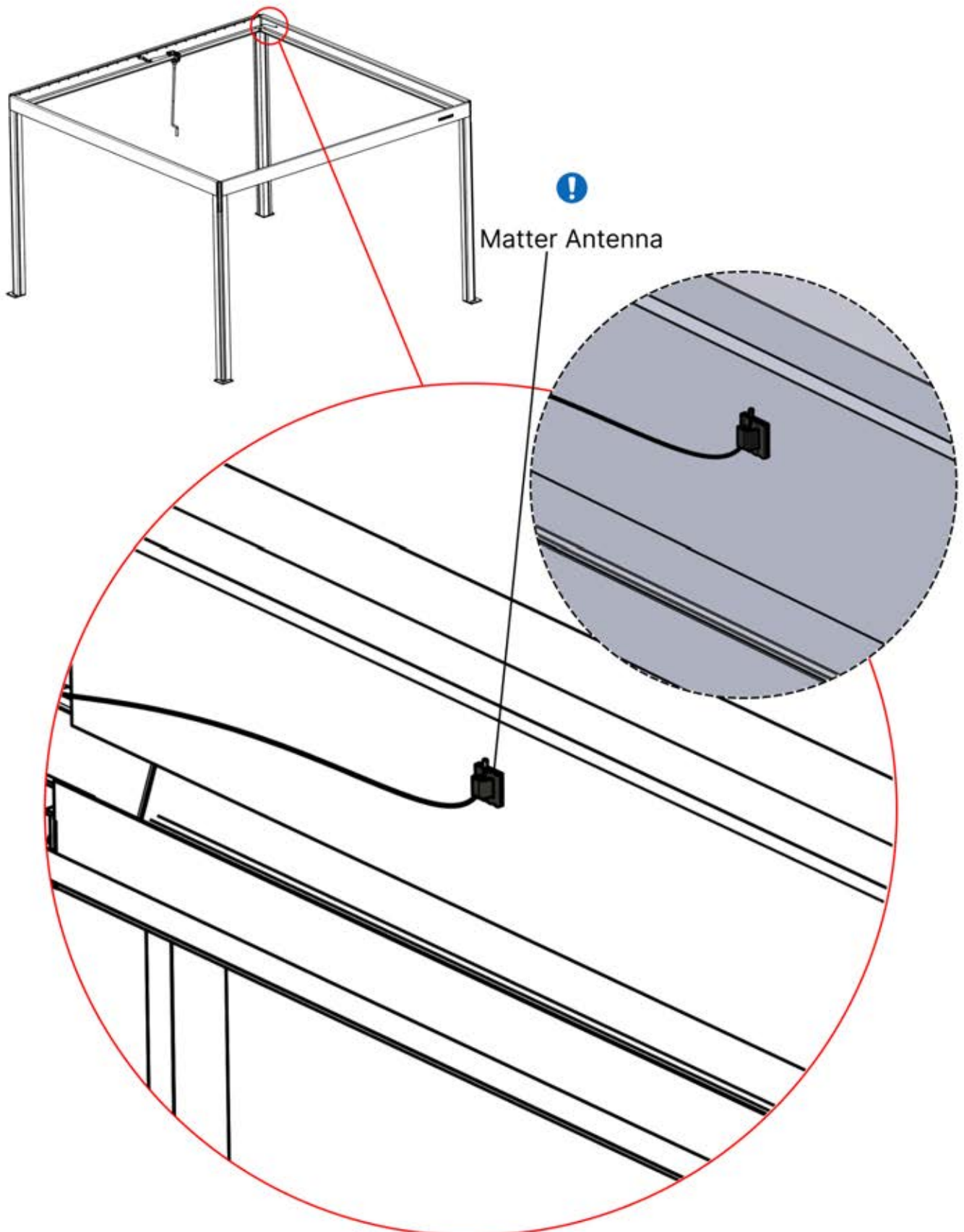
32



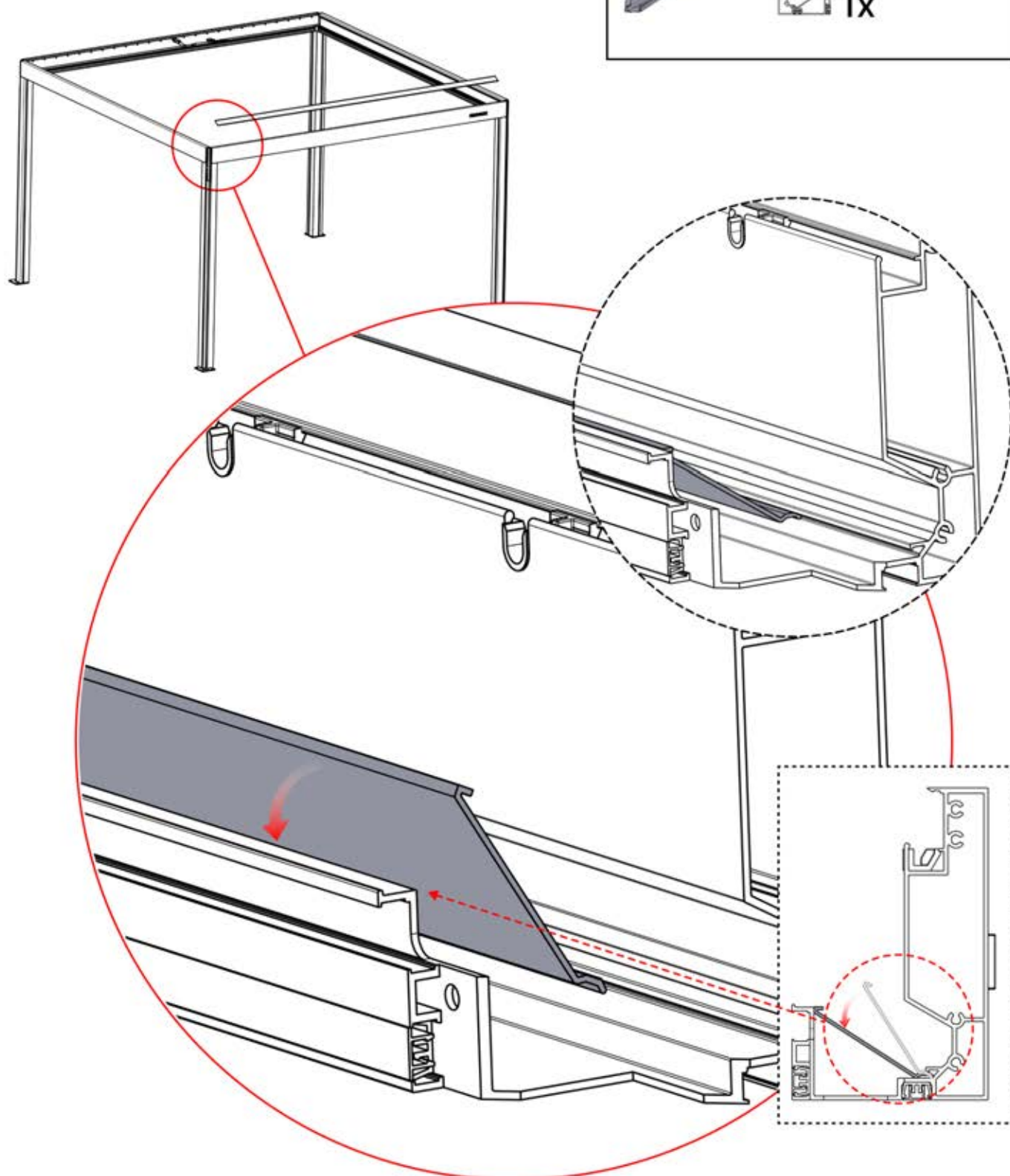
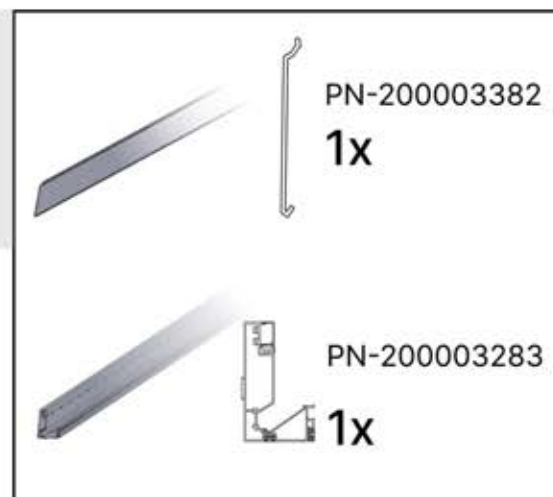
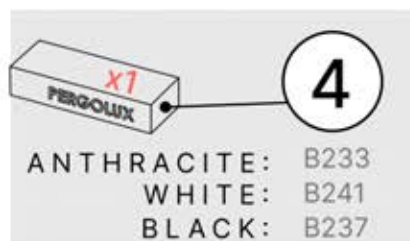
Matter Antenna
1x



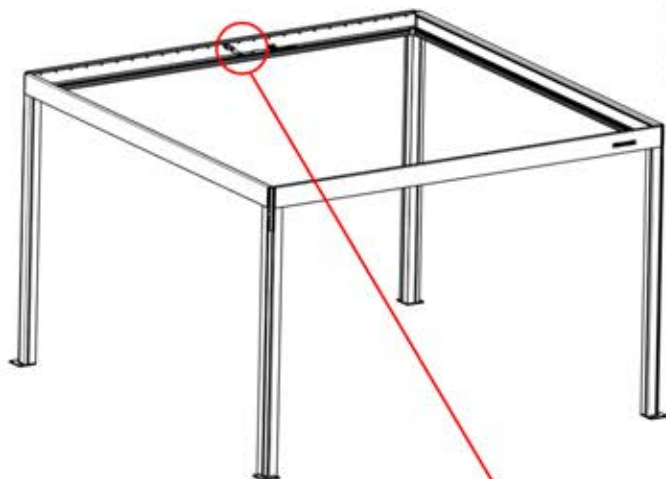
33



34



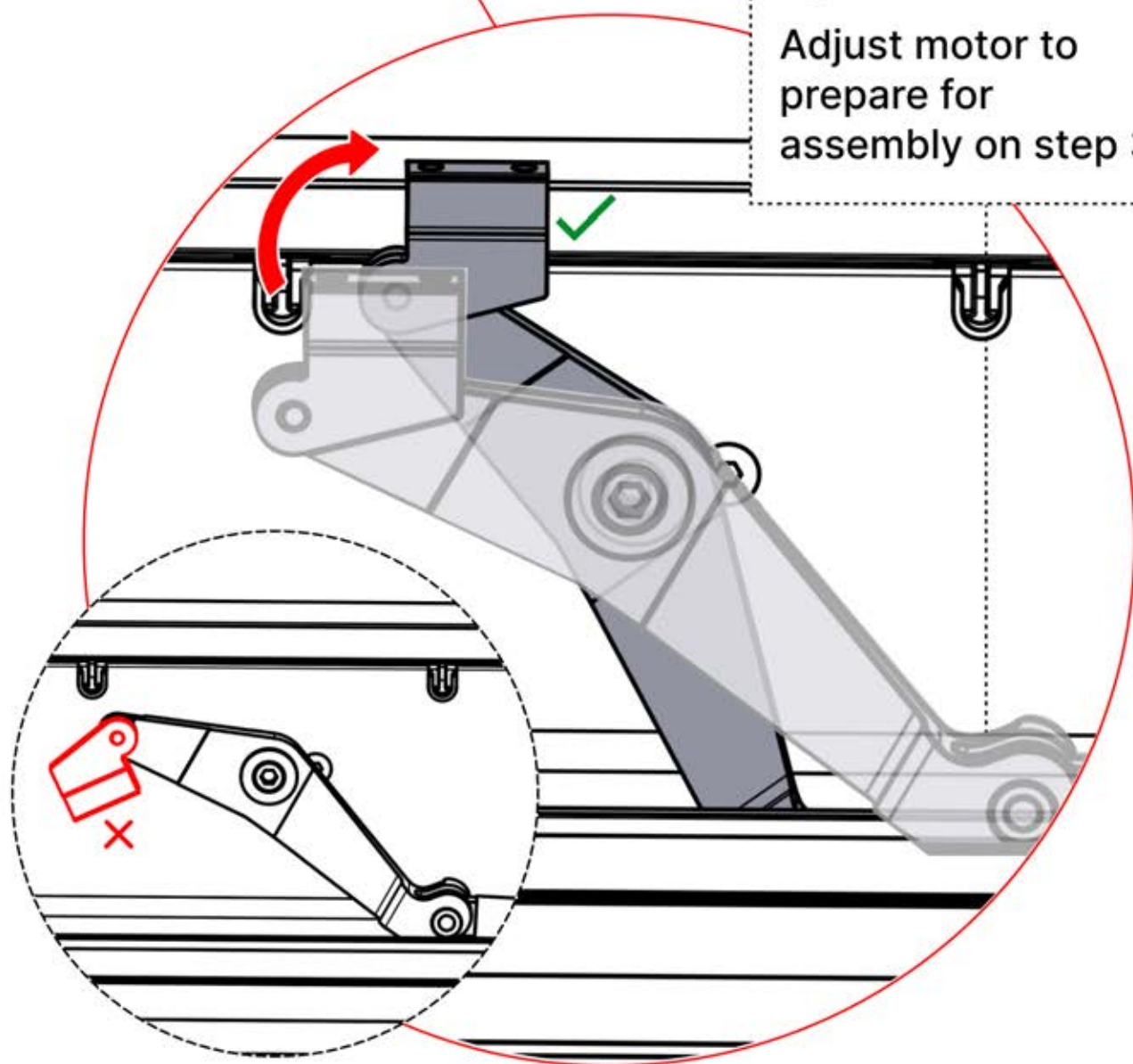
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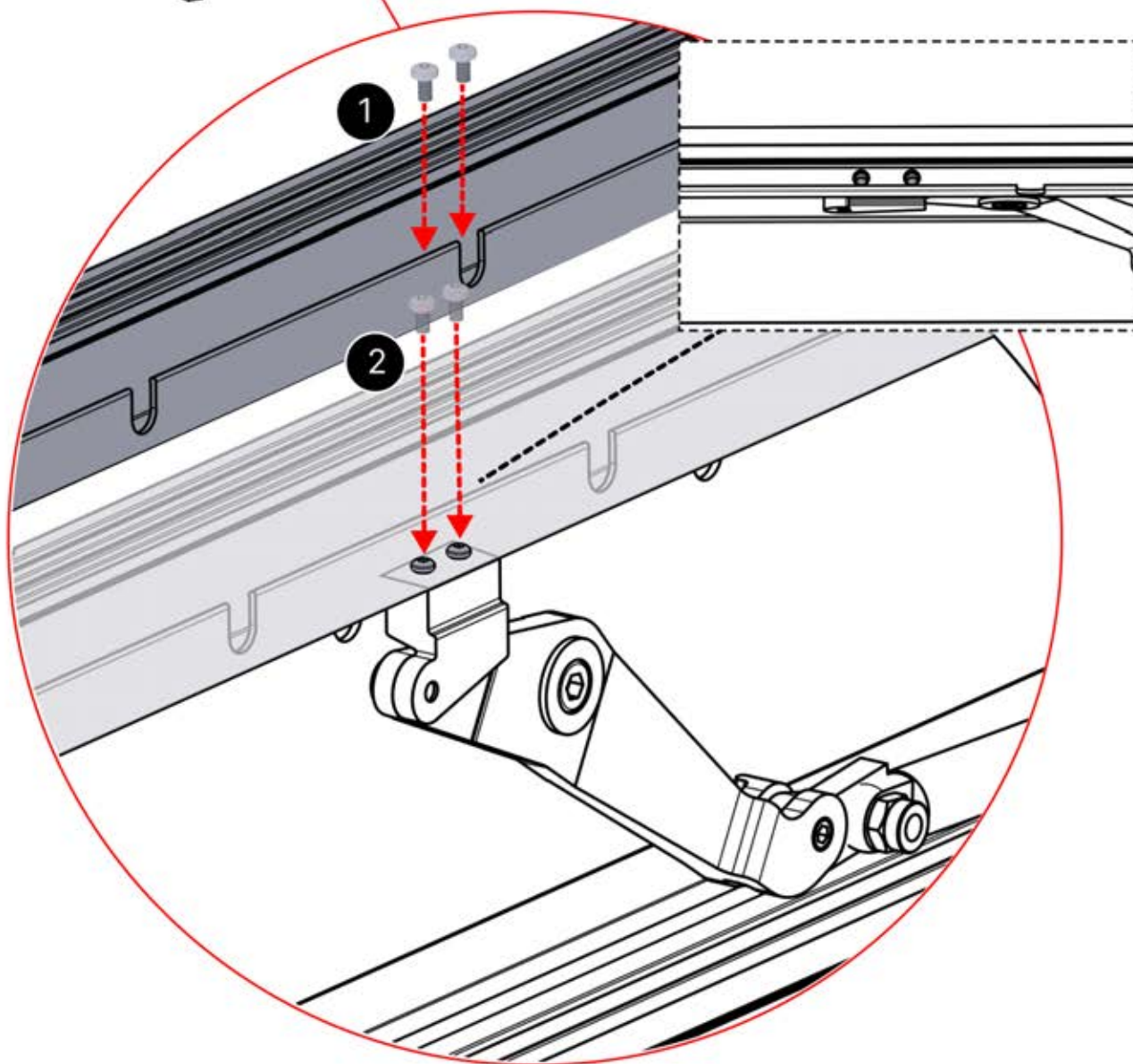
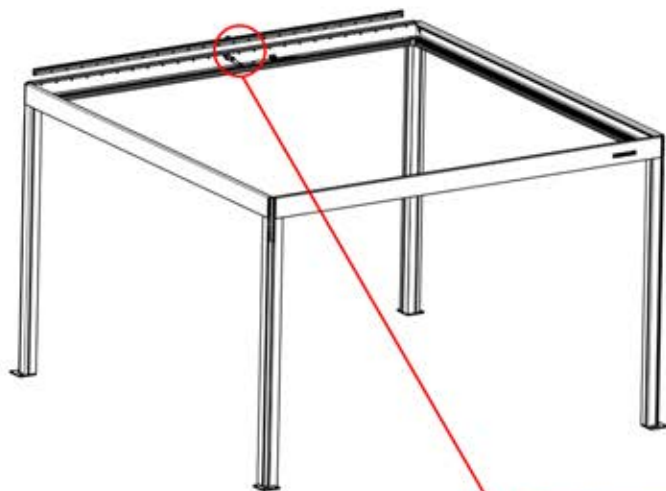
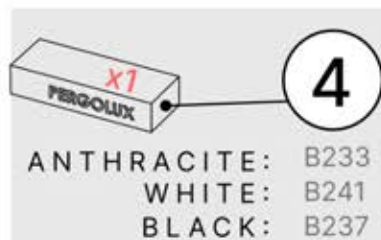
Remote
Controller



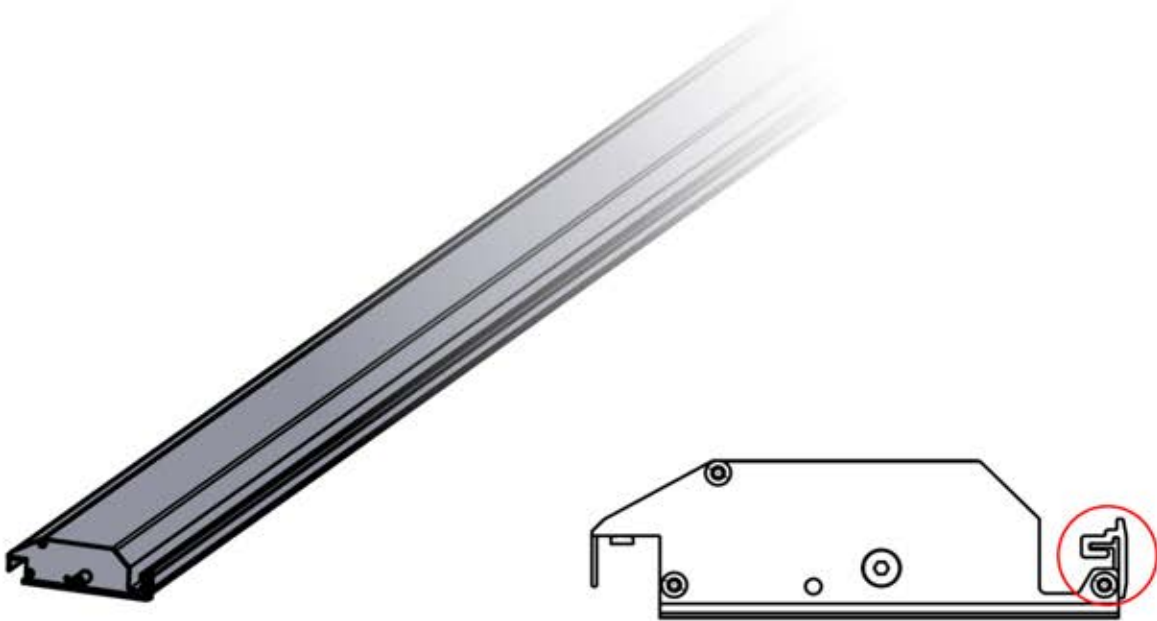
Adjust motor to
prepare for
assembly on step 36



36



ITEMS IN BOX



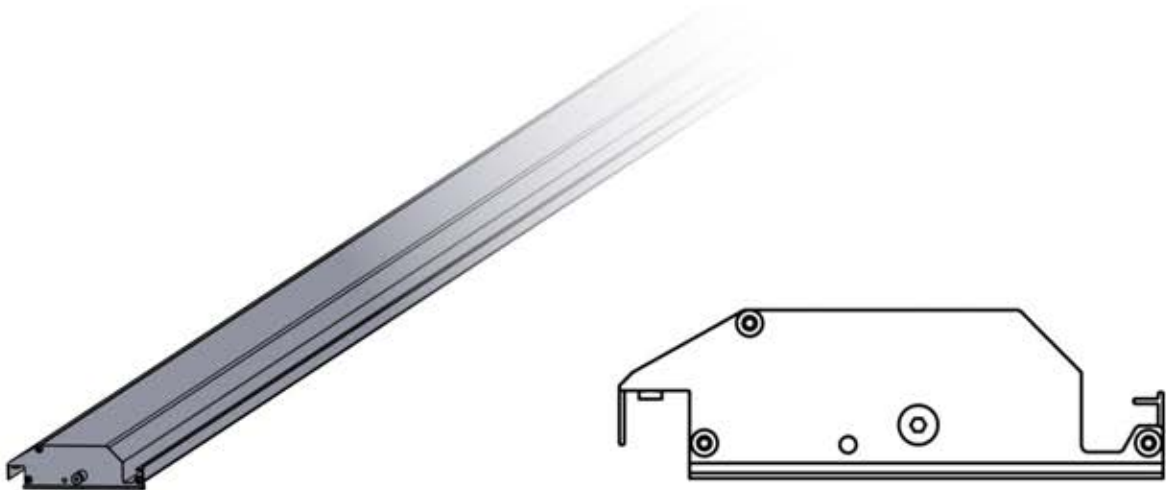


3

ANTHRACITE: L228
WHITE: L232
BLACK: L230

PLR 150 G2 PRO LOUVER END FS 4M
PACKAGE
PN-200002985

1x



Standard



2

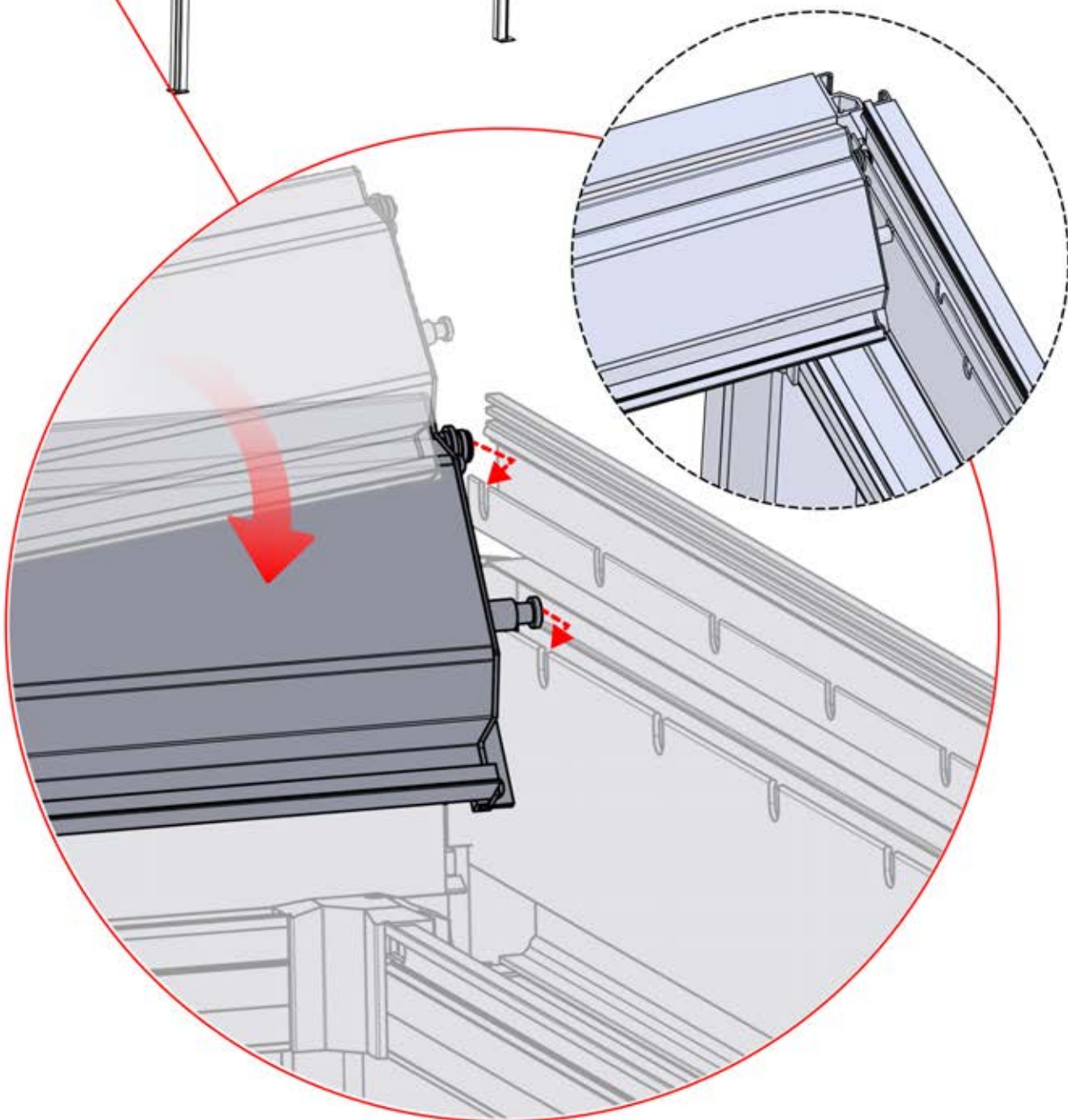
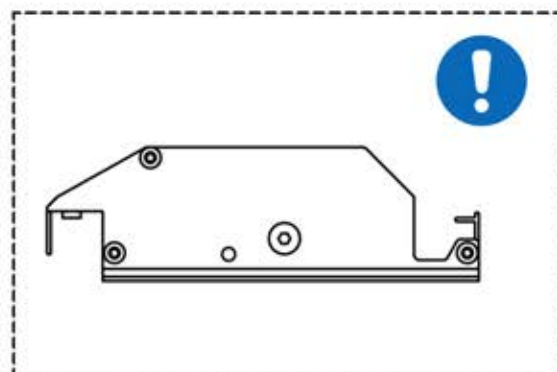
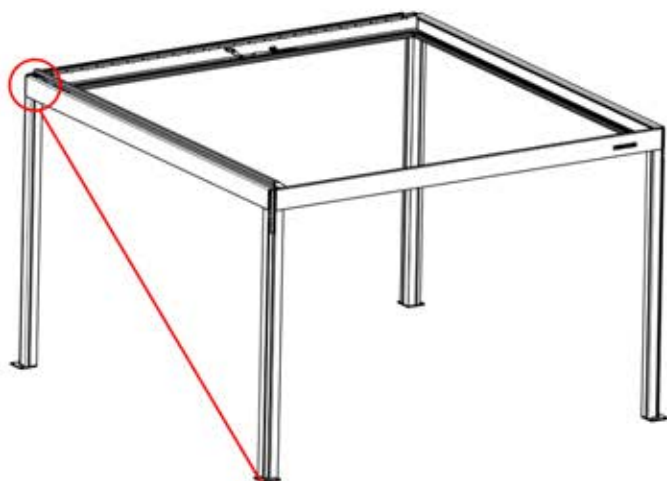
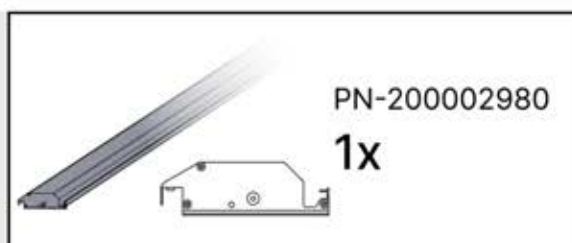
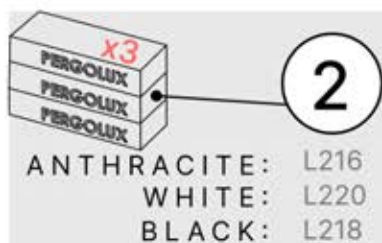
ANTHRACITE: L216
WHITE: L220
BLACK: L218

PLR 150 G2 PRO LOUVER STD FS 4M
PACKAGE
PN-200002980

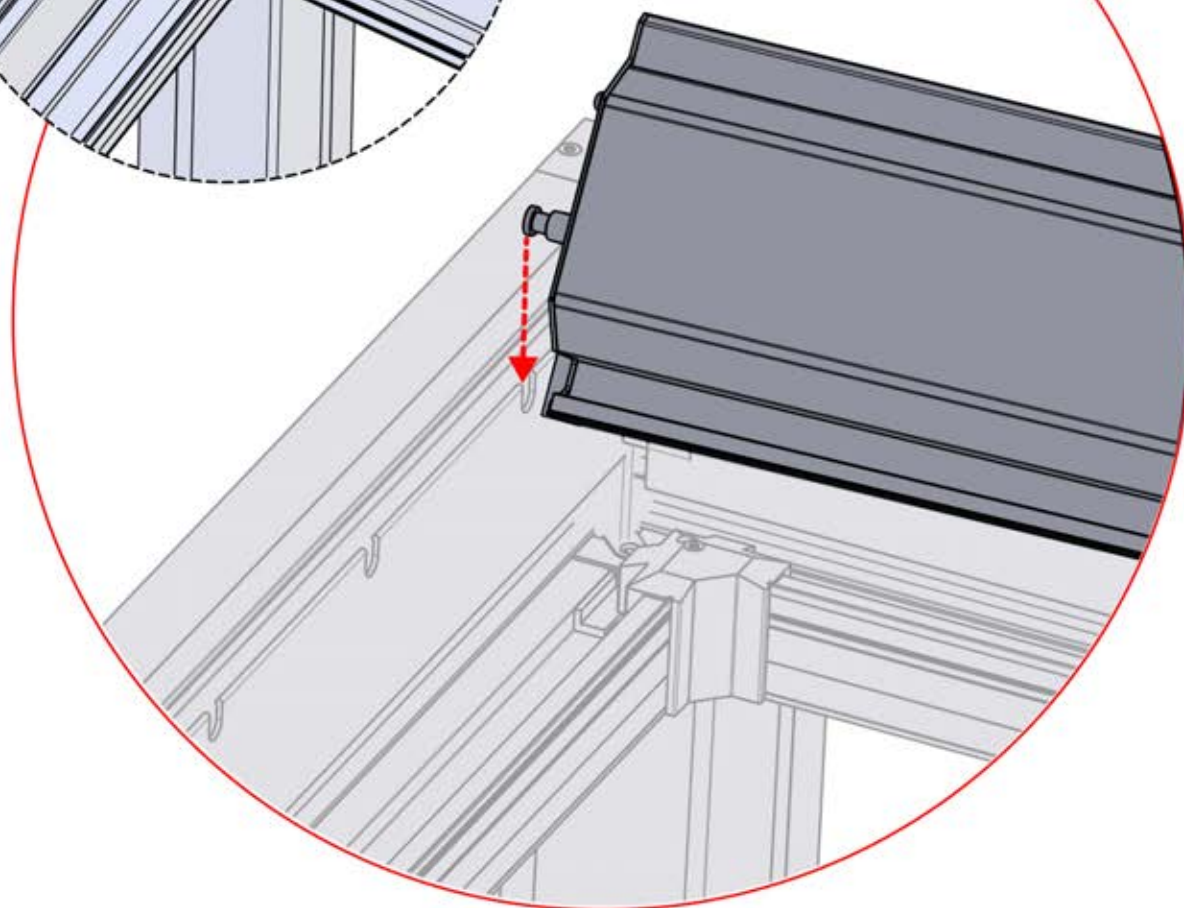
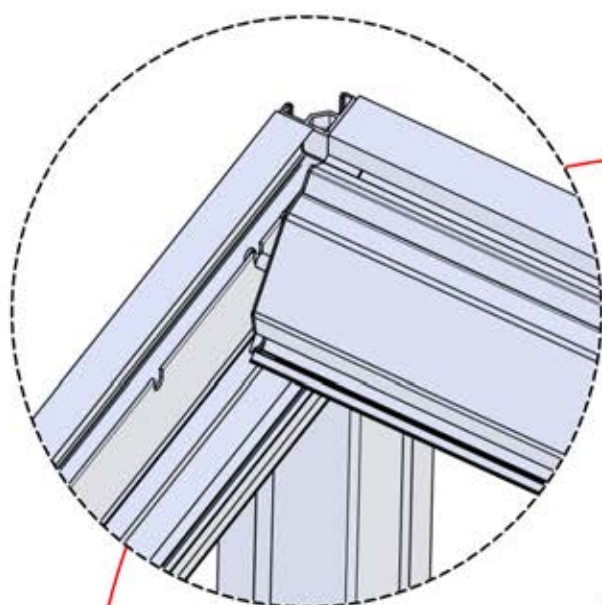
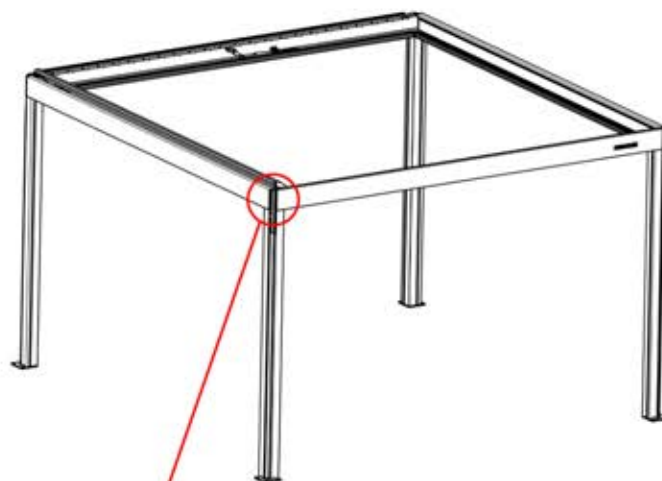
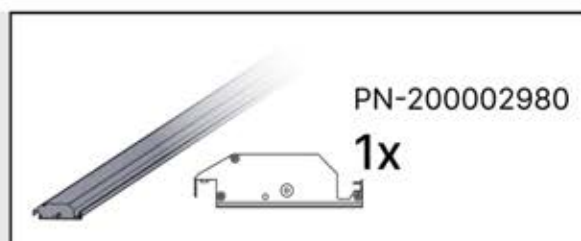
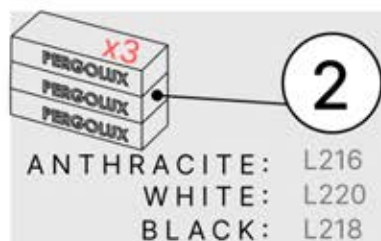


Variable

37



38



39

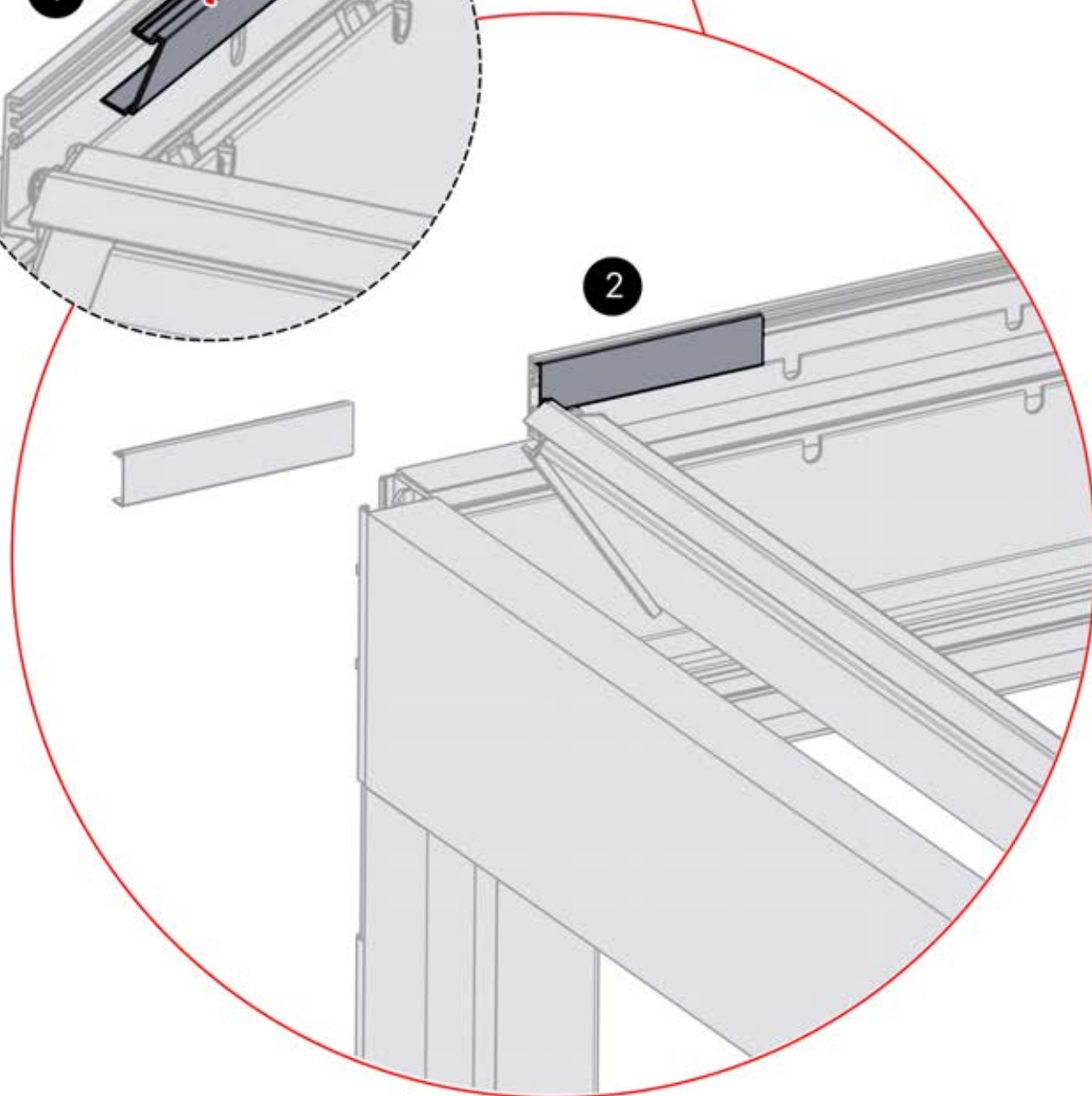
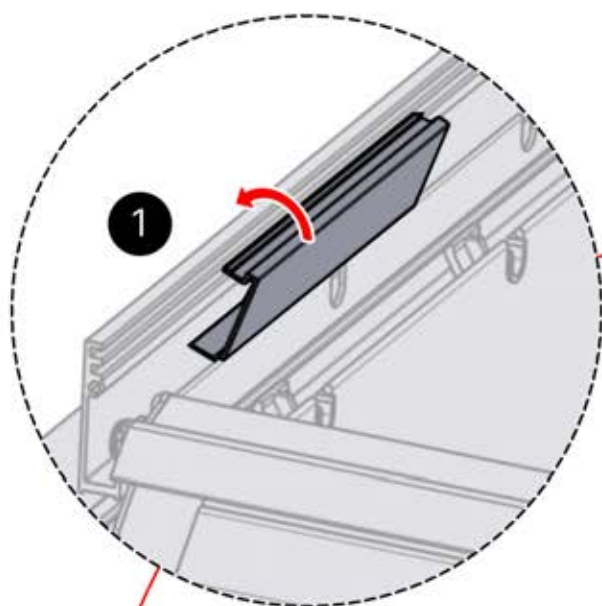
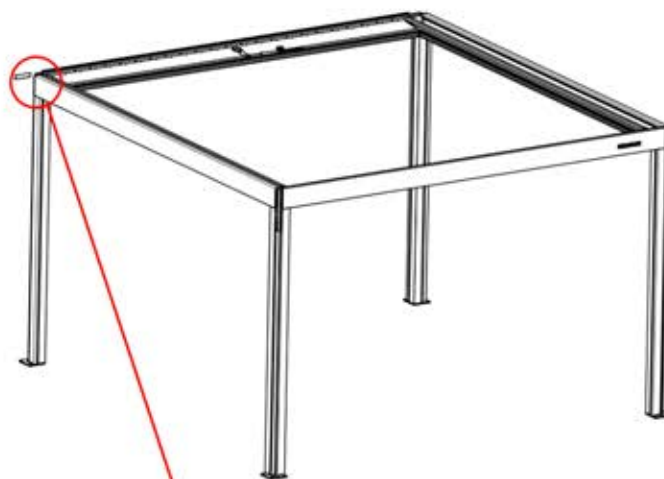


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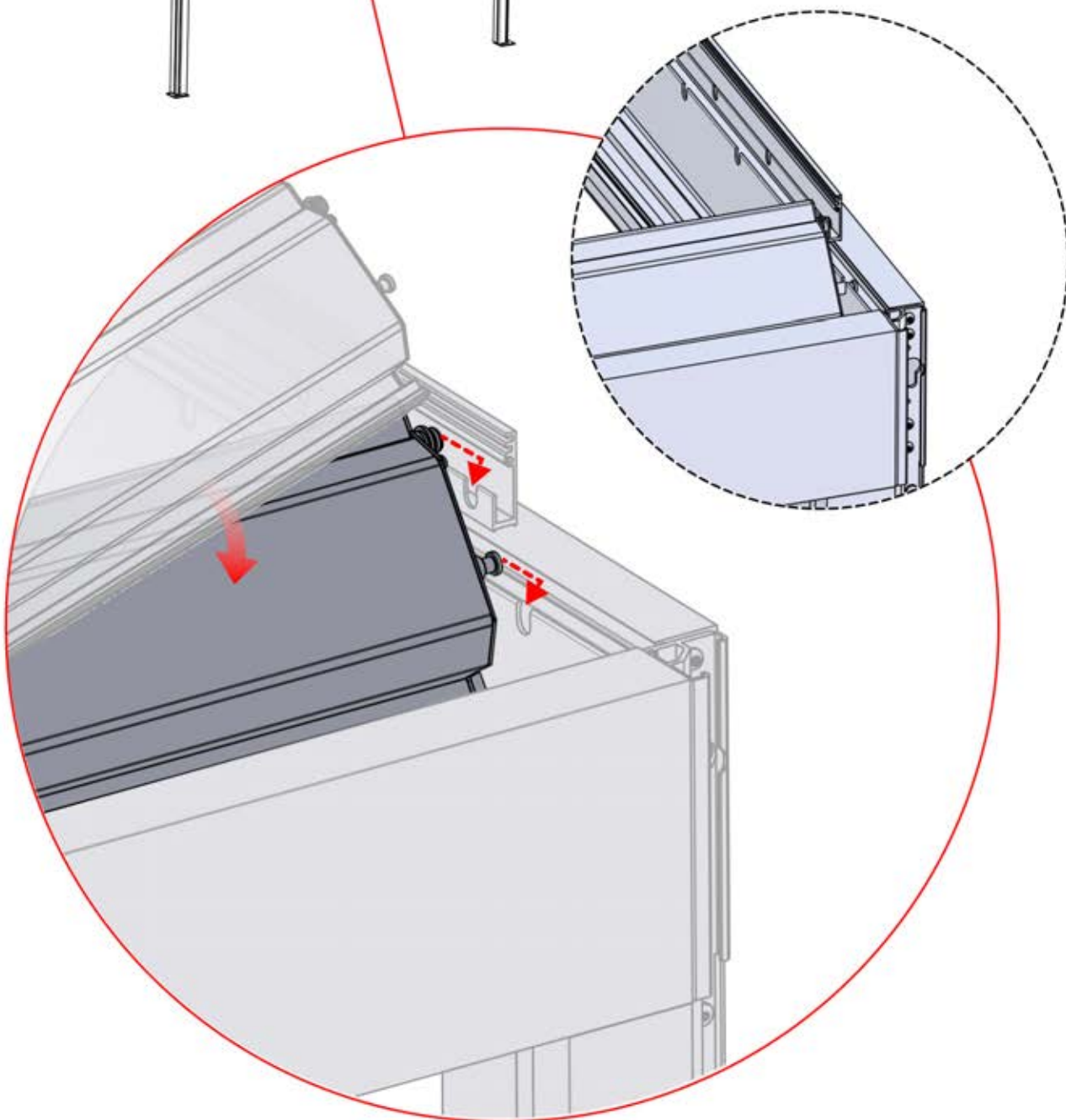
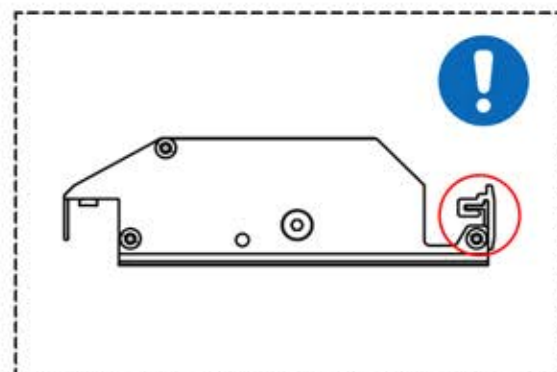
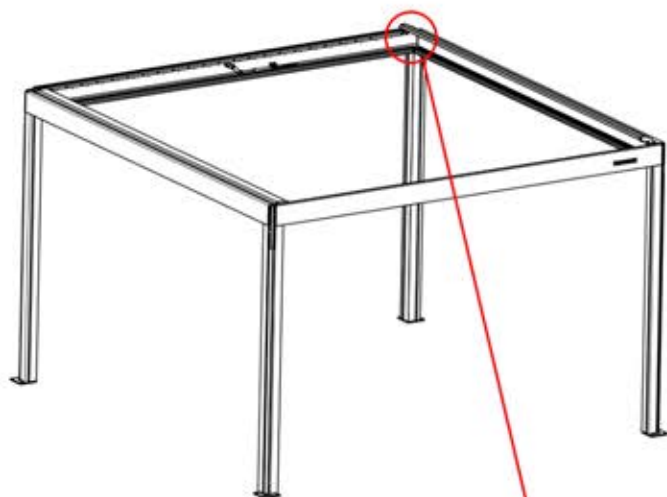
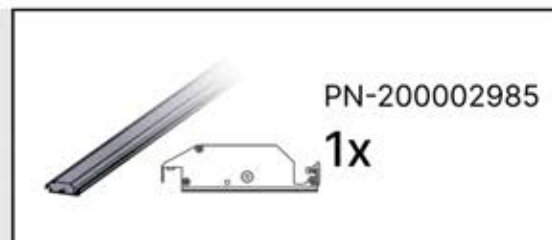
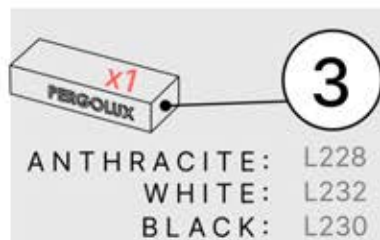
ANTHRACITE: B233
WHITE: B241
BLACK: B237



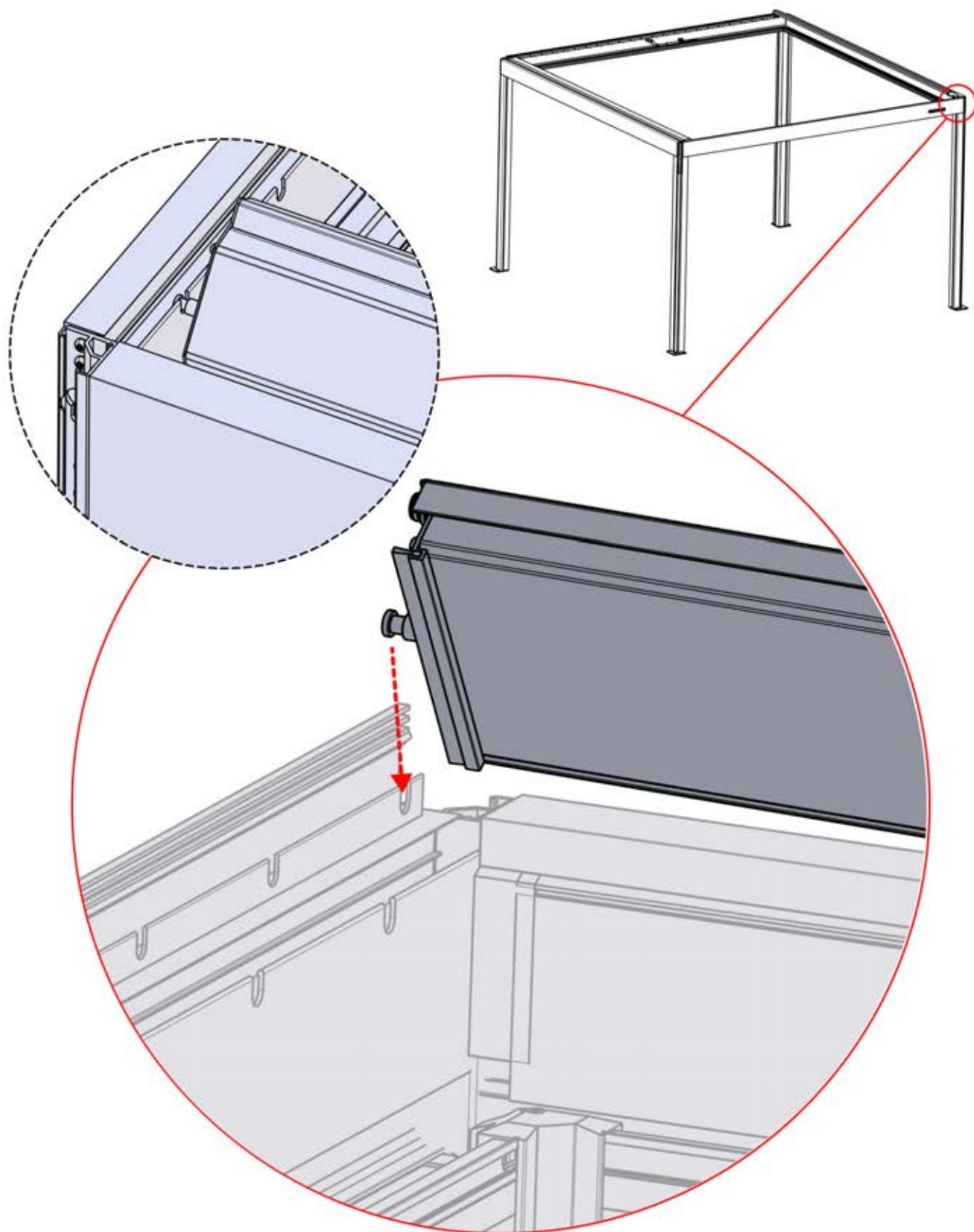
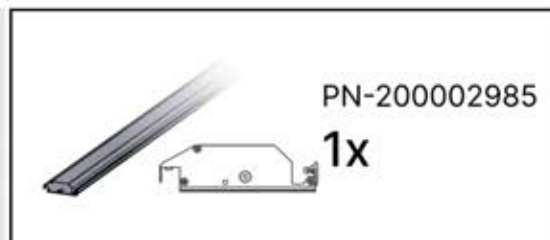
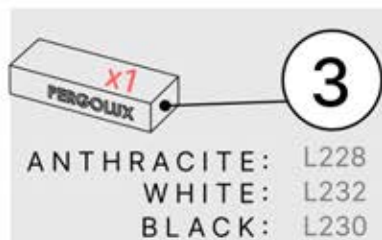
PN-200003033
1X
PN-20000
3278 



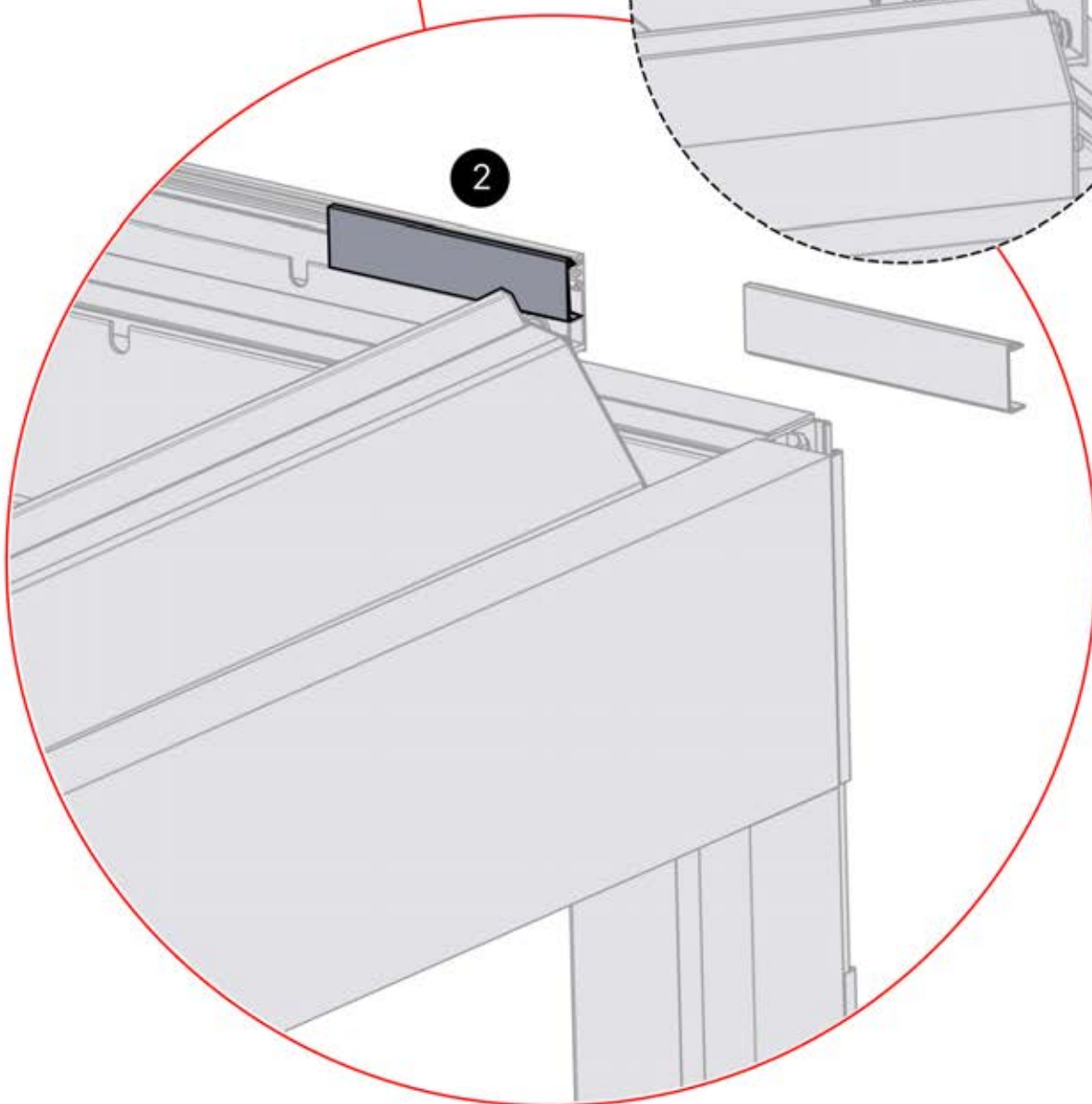
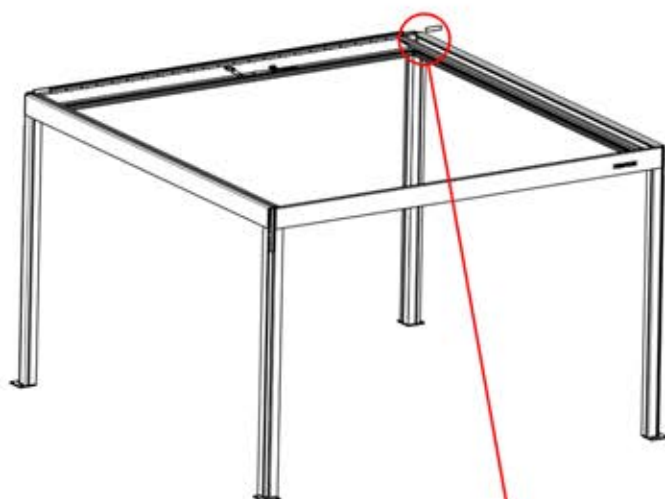
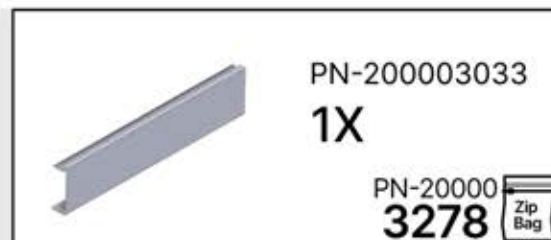
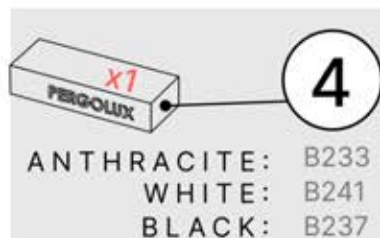
40



41



42



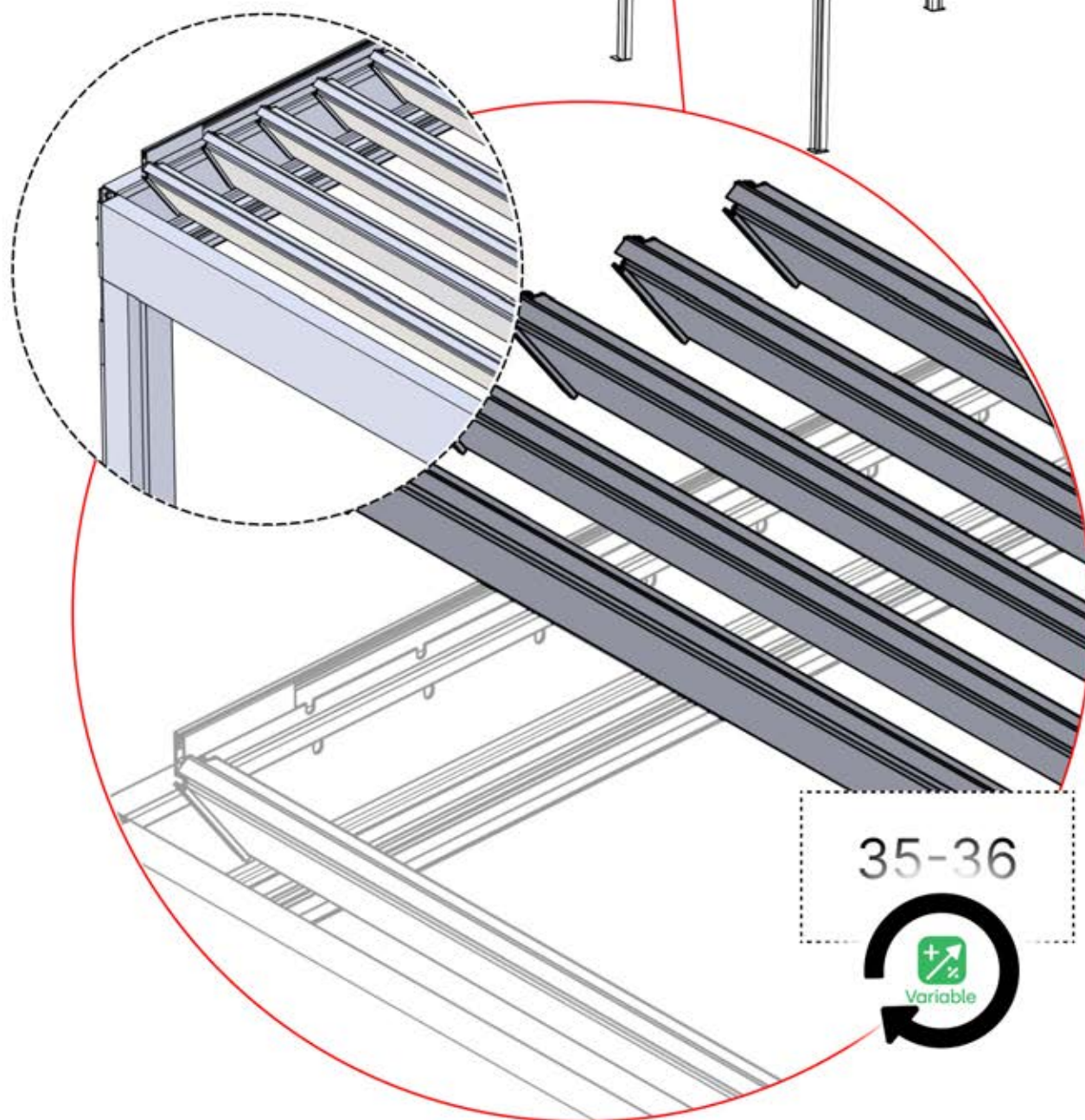
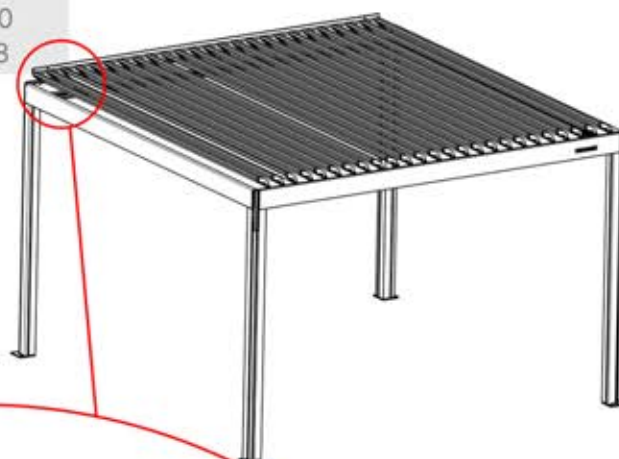
43



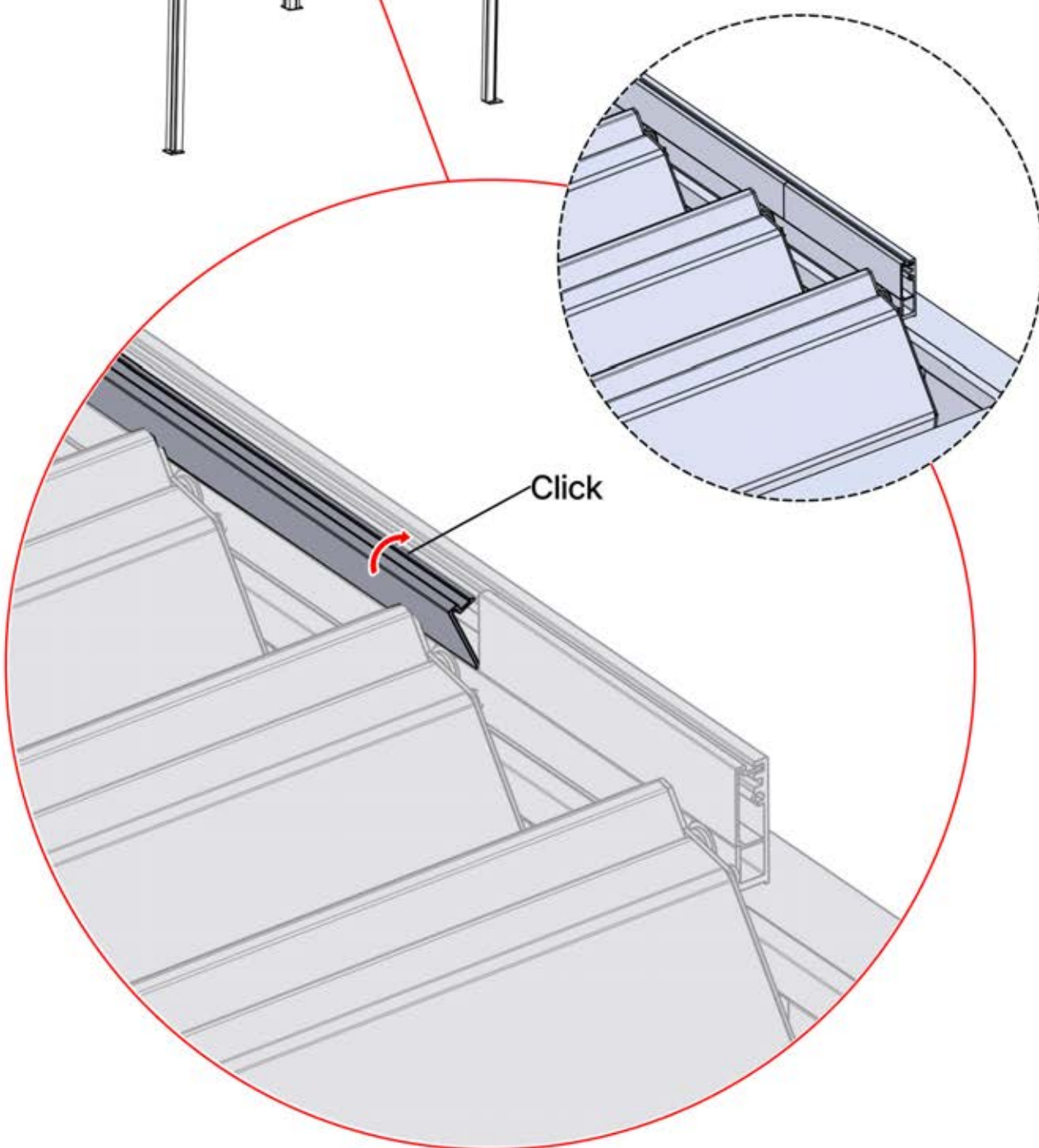
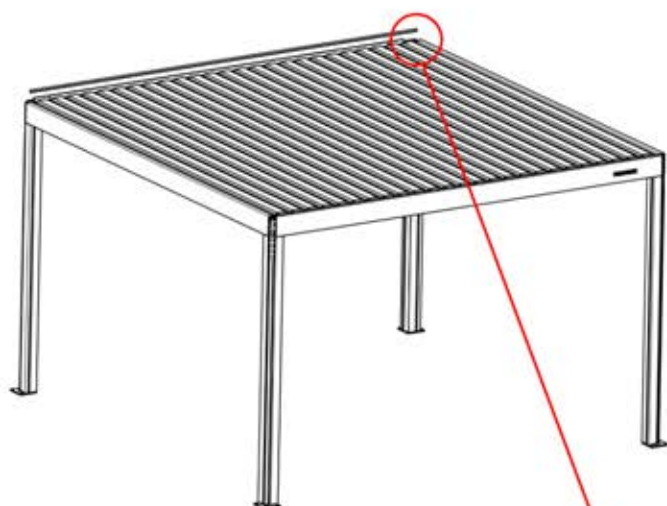
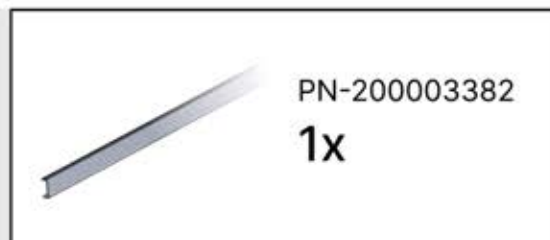
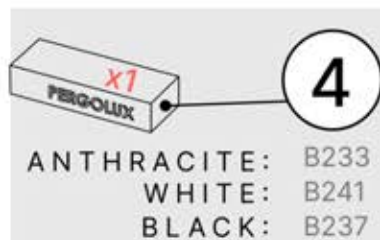
ANTHRACITE: L228
WHITE: L232
BLACK: L230



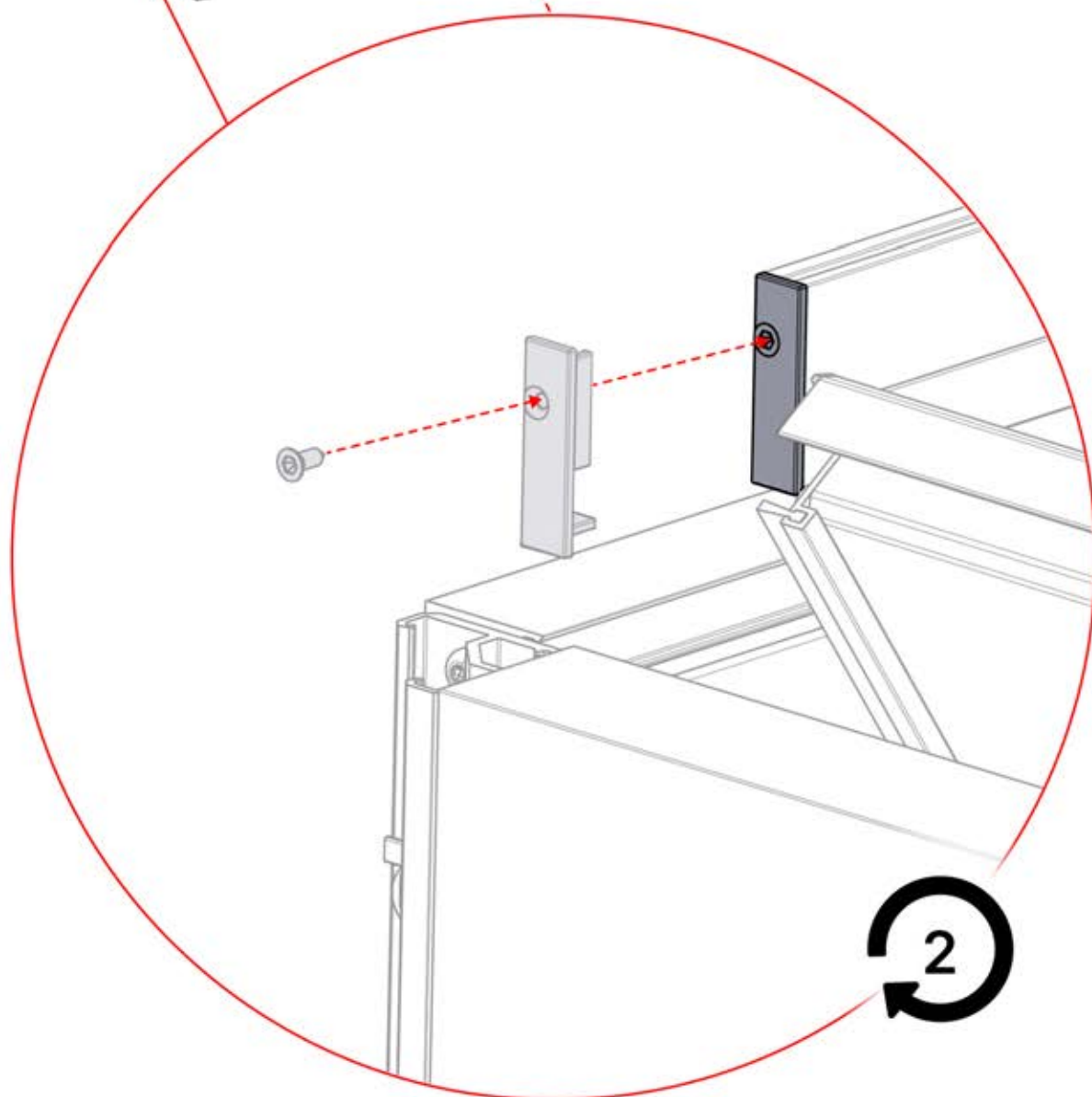
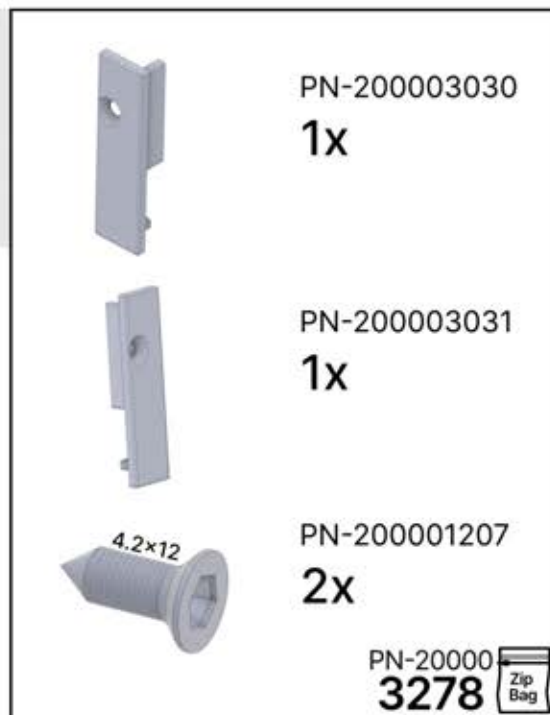
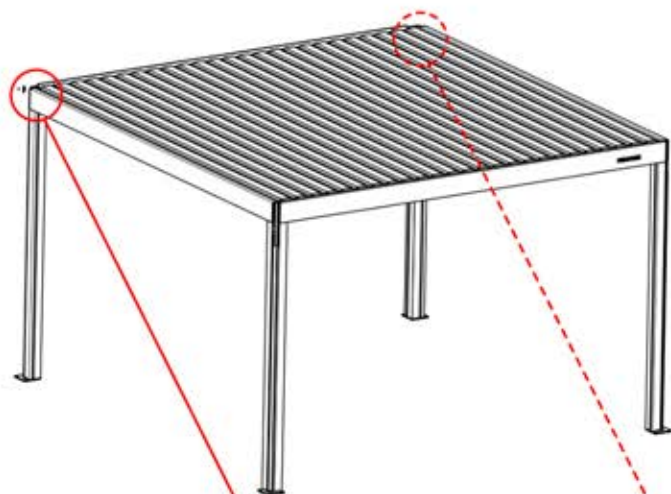
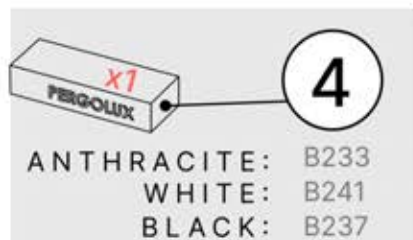
ANTHRACITE: L216
WHITE: L220
BLACK: L218



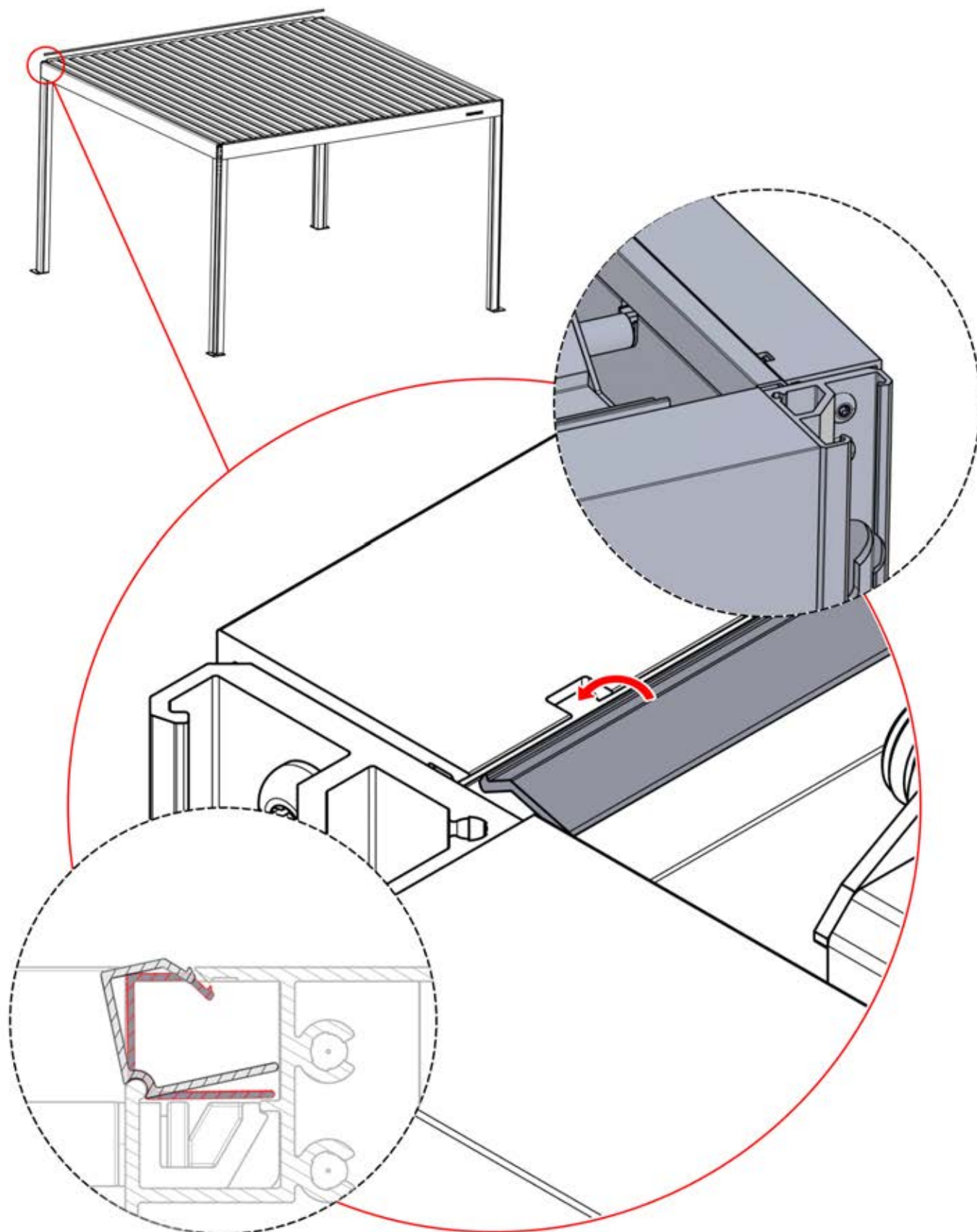
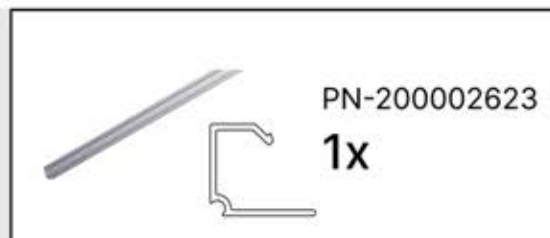
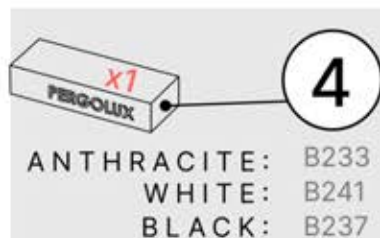
44



45



46

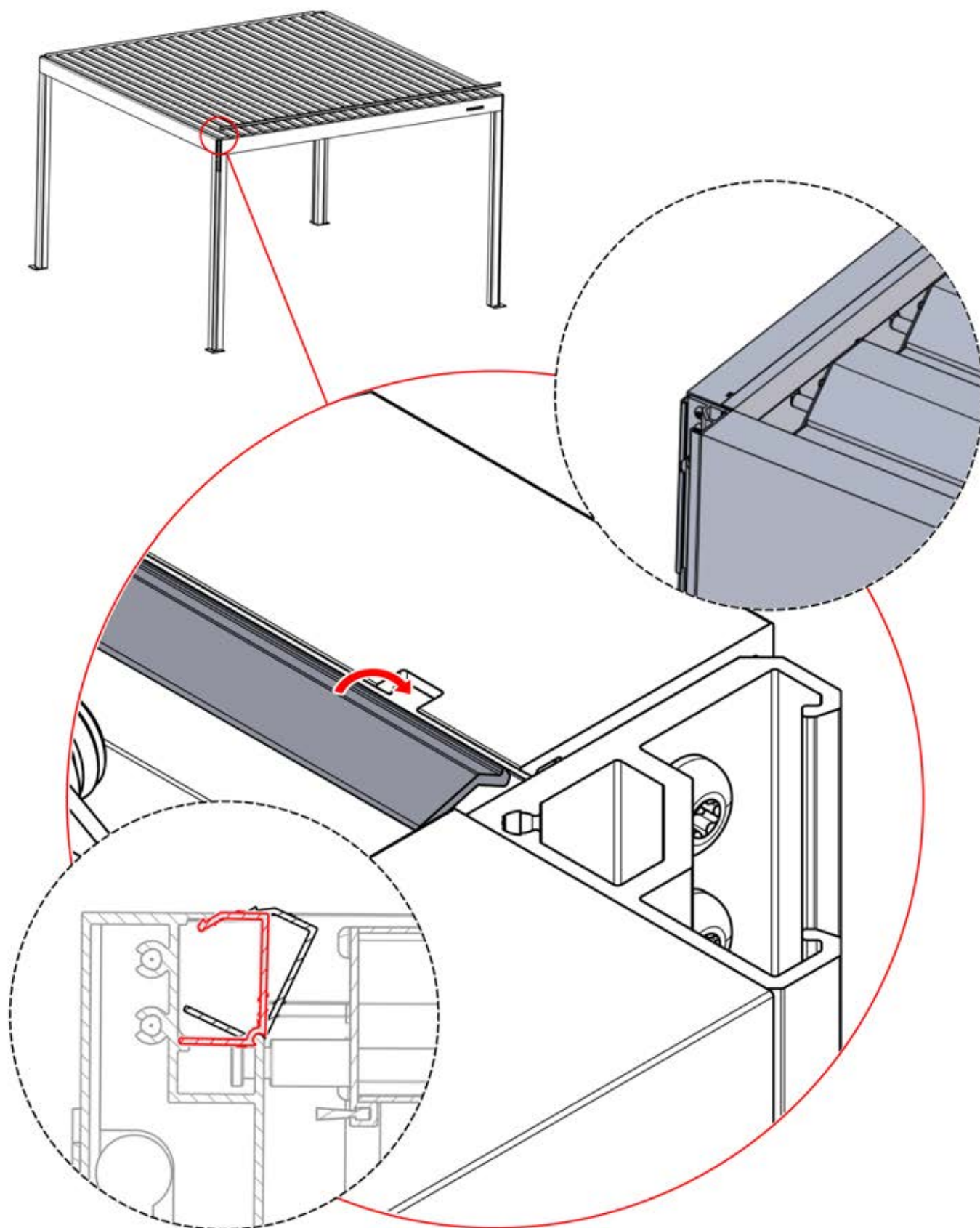
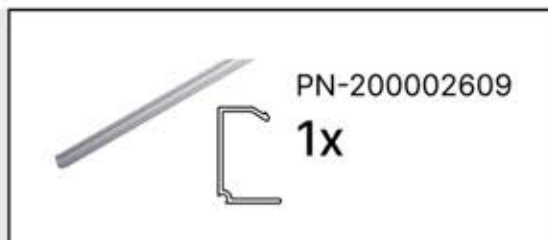


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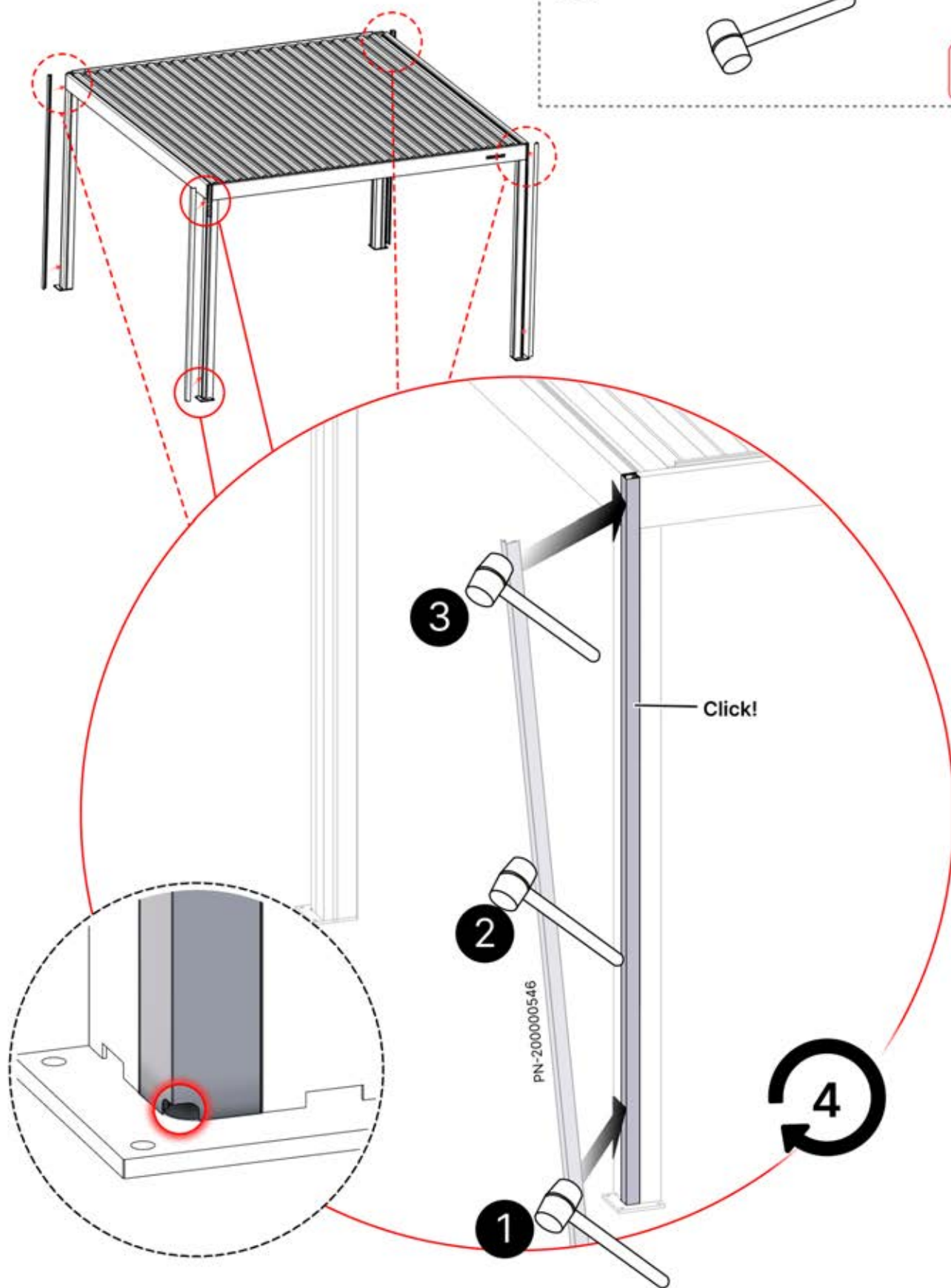
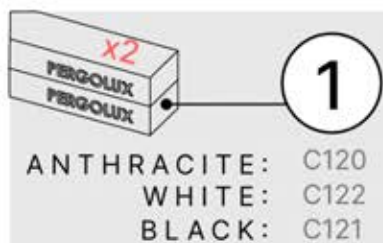


4

ANTHRACITE: B233
WHITE: B241
BLACK: B237



48



49



4

ANTHRACITE: B233
WHITE: B241
BLACK: B237



PN-200001514

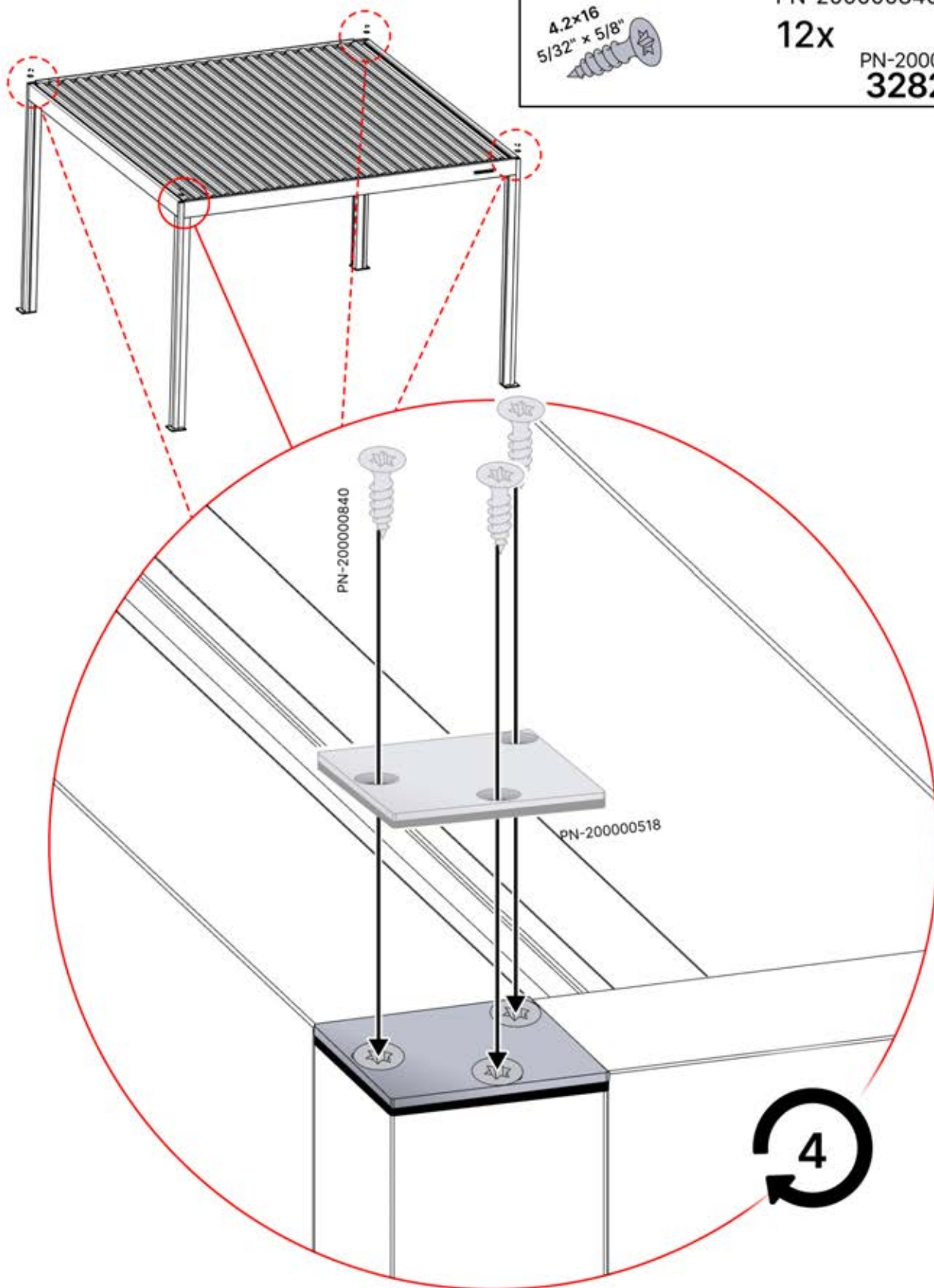
4x



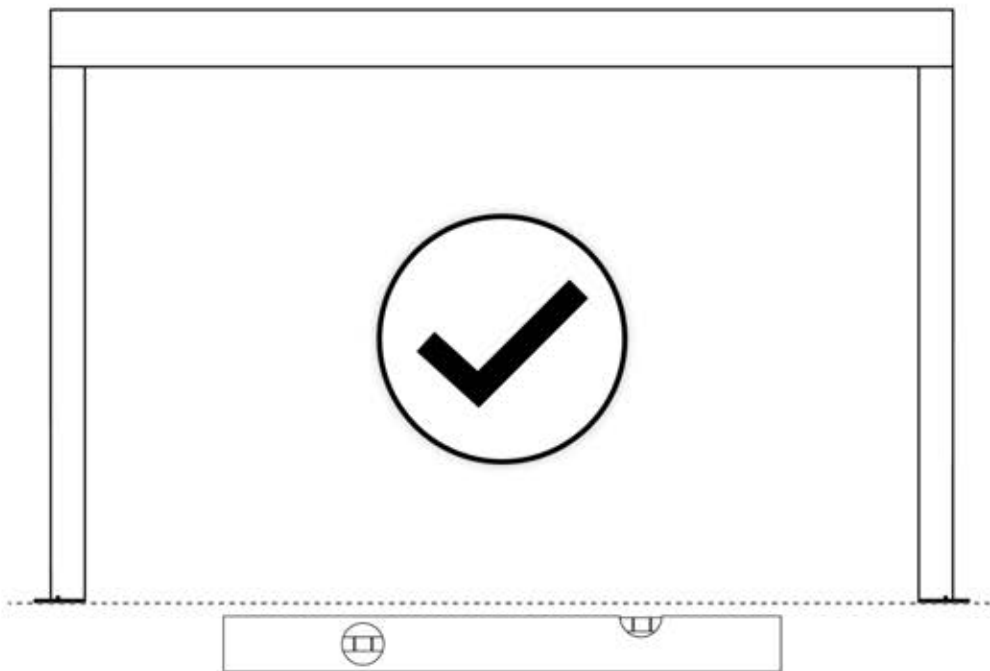
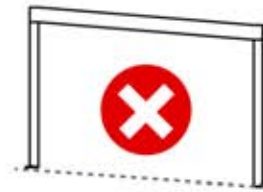
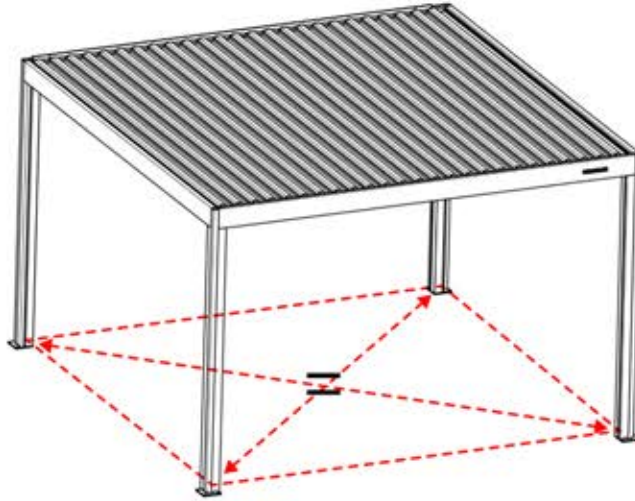
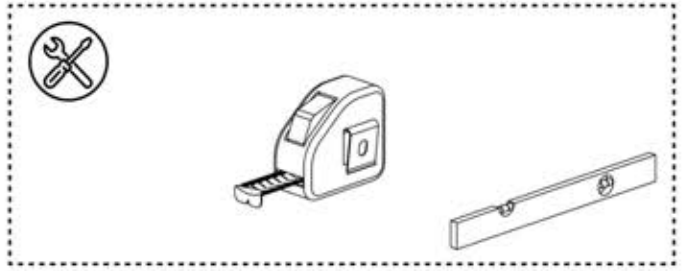
PN-200000840

12x

PN-20000
3282 Zip Bag



50



51



Use on
concrete



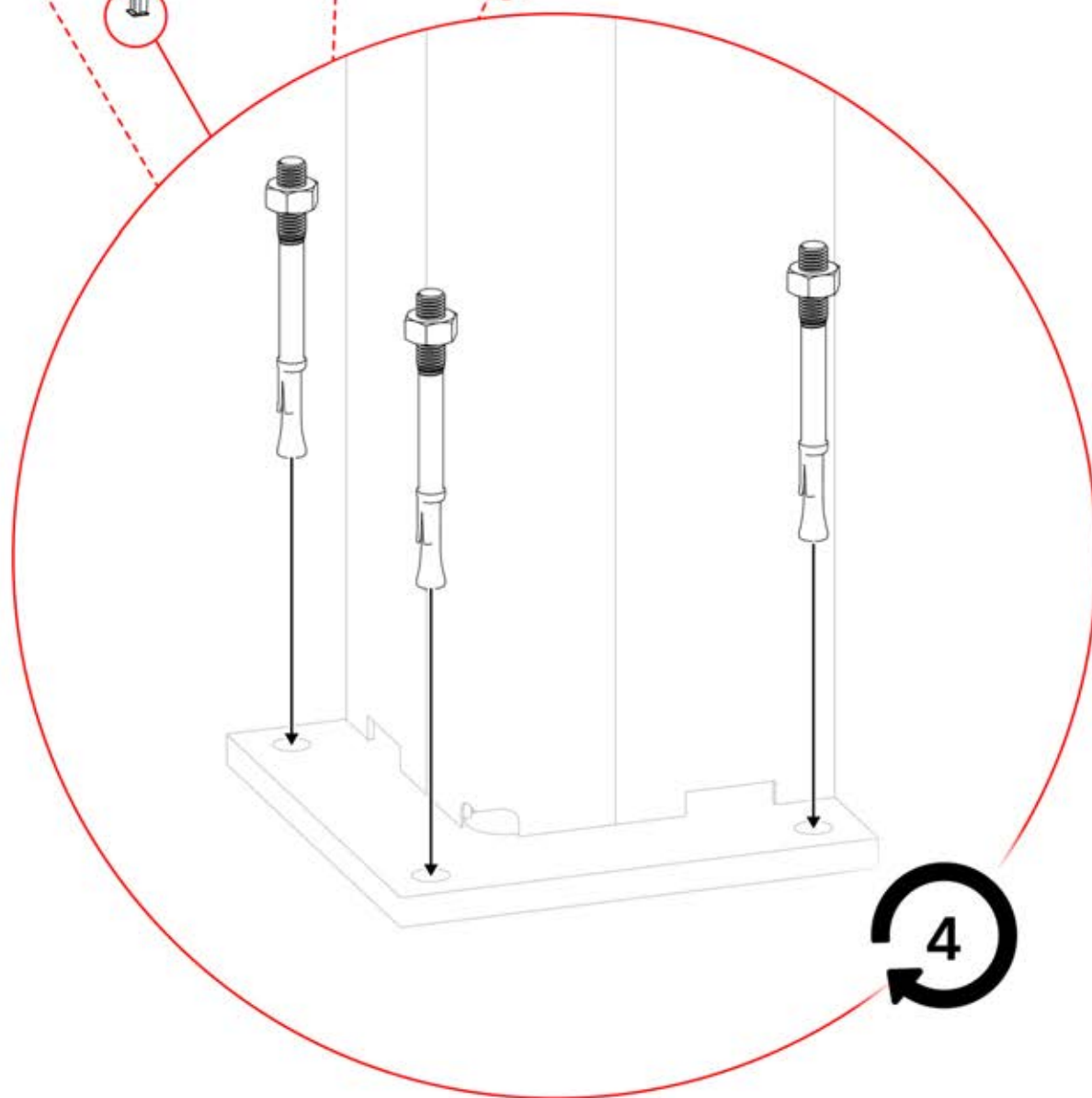
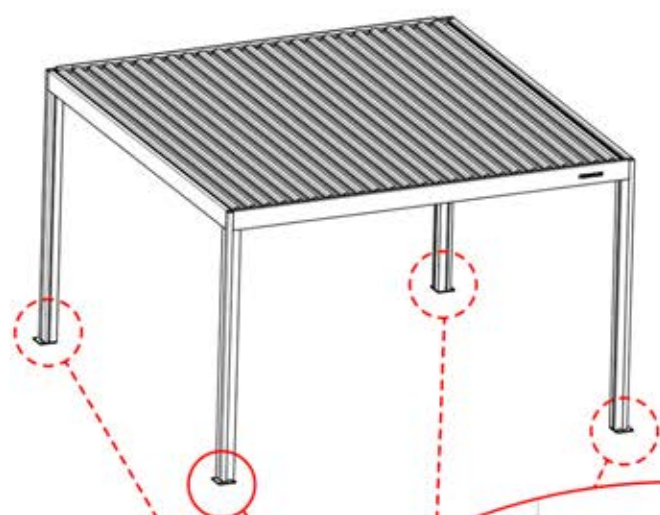
x12



Use on
wood



x12



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