

S4

PERGOLA

PRO MAX



4x5m/13'x16'
FREESTANDING

PERGOLUX



Type Approved
Regular
Production
Surveillance

www.tuv.com
ID 1111317678



S4 PERGOLUX | PERGOLA PRO MAX FREESTANDING

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.



Pergolux GmbH, 9 Goethestraße,
36043 Fulda,
Germany

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DOP-MAX-FSWM-S4

EN 13561:2015

Pergolux Pergola PRO MAX 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



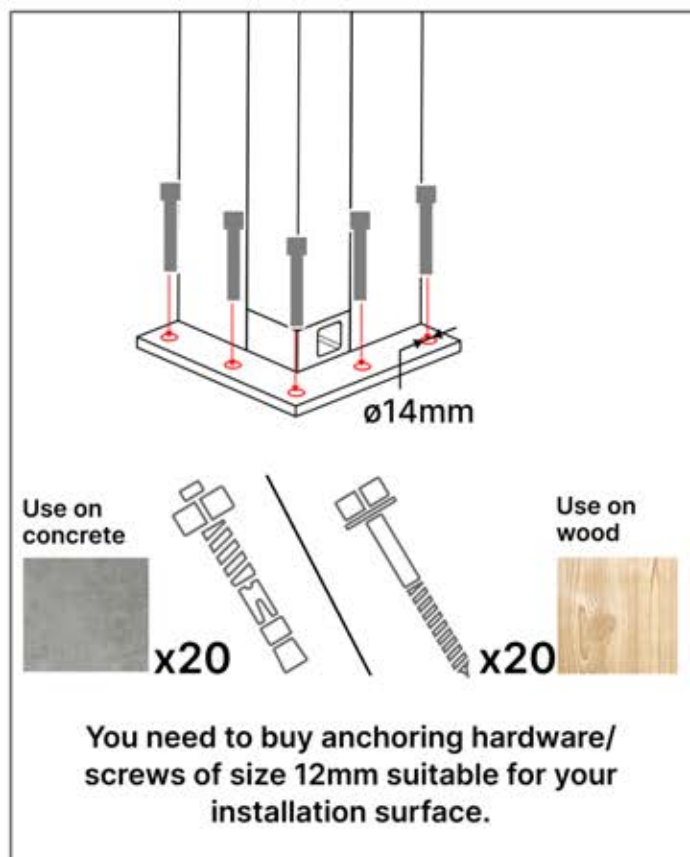
Turn around



Discard

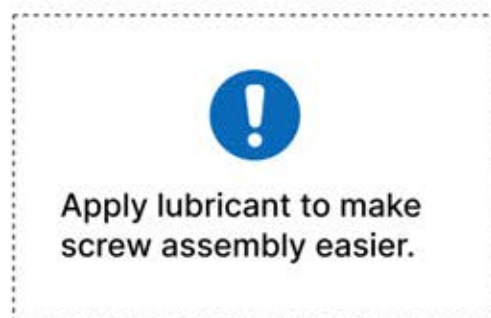
S4 PERGOLUX | PERGOLA PRO MAX FREESTANDING

INFORMATION



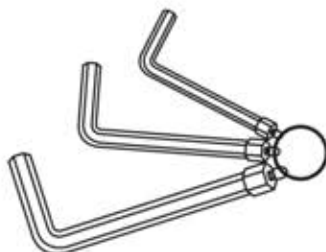
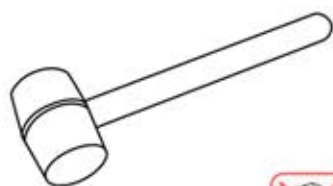
All screws from **PERGOLUX** are made of stainless steel, ensuring durability and resistance to rust. To prevent damage to screws, follow these guidelines:

- **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.

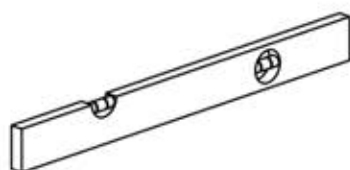


S4 PERGOLUX | PERGOLA PRO MAX FREESTANDING

INFORMATION

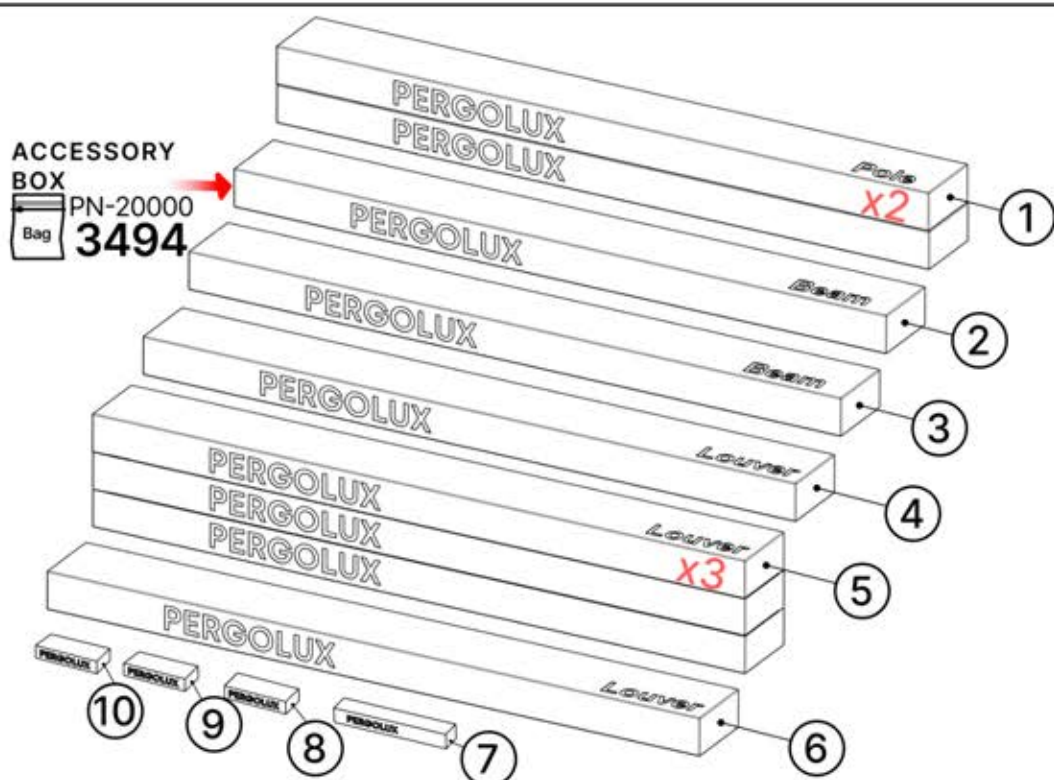


3mm, 4mm, 5mm



TX15, TX20, TX25, TX30

PACKAGE OVERVIEW

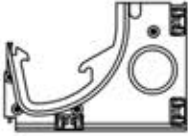
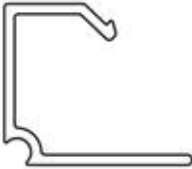


ORDER	ANTHRACITE	WHITE	BLACK
①	C126	C127	C128
②	B285	B289	B293
③	B308	B310	B312
④	L264	L268	L266
⑤	L252	L256	L254
⑥	L240	L244	L242
⑦	ELECTRIC MOTOR		
⑧	CONTOL BOX		
⑨	POWER CABLE		
⑩	LED BOX		

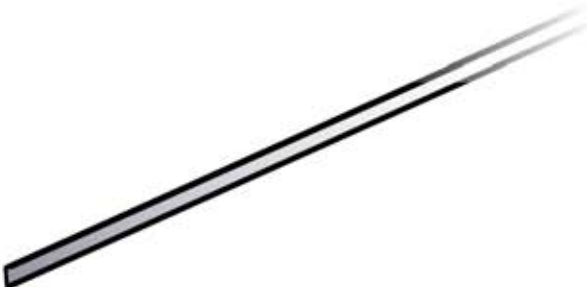
ITEMS IN BOX

	ANTHRACITE WHITE BLACK		
	1	C126	C127 C128
		PN-200002467 4x	
		PN-200002301 4x	
		PN-200003584 4x	
		PN-200002299 4x	

ITEMS IN BOX

	ANTHRACITE	WHITE	BLACK
	B285	B289	B293
2			
		PN-200003503 1x	
		PN-200003507 1x	
		PN-200002486 2x	
		PN-200002474 1x	
		PN-200002470 1x	

ITEMS IN BOX

	ANTHRACITE WHITE BLACK		
	2	B285	B289 B293
		PN-200002492 1x	
		PN-200002493 1x	
		PN-200002490 2x	
 PN-20000 3278  150mm  PN-200003033 2x PN-200003030 1x  PN-200003031 1x  4.2x12 PN-200001207 2x			

ITEMS IN BOX



ANTHRACITE WHITE BLACK

2

B285

B289

B293



PN-20000
3757



PN-200002282
4x



PN-200002298
4x



PN-200000832
4x



PN-20000
3496



PN-200002289
4x



PN-20000
3756



PN-200000958
4x



PN-20000
3750



PN-200003051
8x



PN-200003050
8x



PN-200003049
8x



PN-20000
3759



PN-200002291
4x



PN-200002318
12x



PN-20000
3497



PN-200002329
4x



PN-200000852
8x

ITEMS IN BOX



ANTHRACITE

WHITE

BLACK

2

B285

B289

B293



PN-20000
3751



PN-200002355
1x



PN-200002333
1x



PN-200002328
2x



PN-200002327
1x



PN-200003500
1x



PN-200002324
1x



PN-200002321
1x



PN-200002330
1x



PN-200002325
1x



PN-200002340
1x



PN-200002341
3x



PN-200000832
4x



PN-200002326
1x



PN-200002134
2x

ITEMS IN BOX



ANTHRACITE

WHITE

BLACK

2

B285

B289

B293



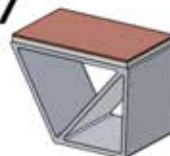
PN-20000
3495



PN-200002311
40x



PN-20000
3767



PN-200002286
8x



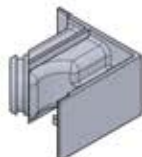
PN-20000
3768



PN-200002911
4x



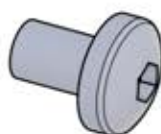
PN-200002297
4x



PN-200002303
4x



PN-20000
3755



PN-200000655
8x



PN-20000
3758



PN-200002284
4x



PN-20000
4088

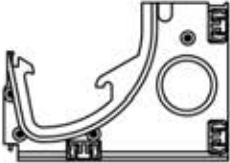


PN-200002308
20x



PN-200001340
1x

ITEMS IN BOX

		ANTHRACITE	WHITE	BLACK
		B308	B310	B312
3				
		PN-200003486 2x		
		PN-200002347 2x		
		Premounted PN-200002352 2x		
		PN-200002323 2x		
		PN-200002914 2x		

ITEMS IN BOX



	ANTHRACITE	WHITE	BLACK
	L264	L268	L266



Standard = **(S)**
PN-200002366
4x



End = **(E)**
PN-200002362
1x



	ANTHRACITE	WHITE	BLACK
	L252	L256	L254



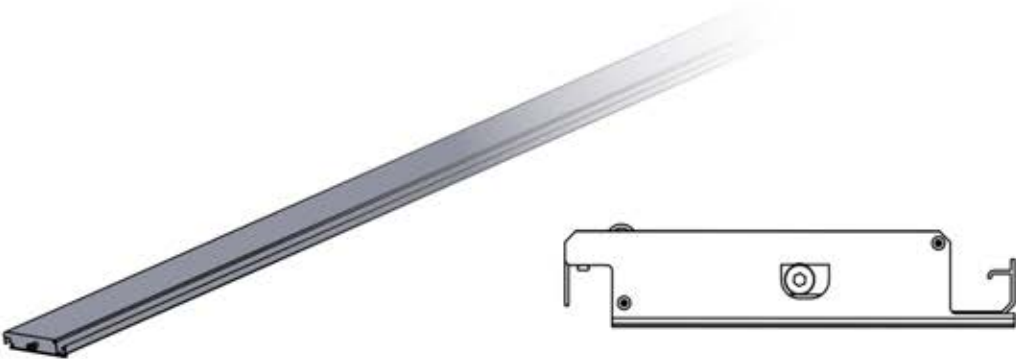
Standard = **(S)**
PN-200002366
6x



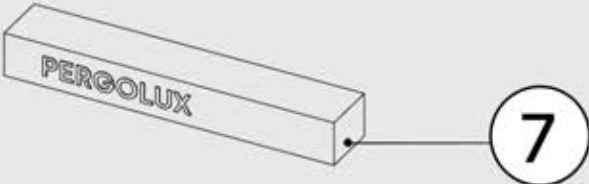
LED = **(LED)**
PN-200002364
6x

ITEMS IN BOX

	ANTHRACITE	WHITE	BLACK
	L240	L244	L242



Standard = **S**
PN-200002366
4x

	7	ELECTRIC MOTOR
---	---	----------------



Electric motor
PN-200001562
1x



PN-200003773
1x



PN-200002332
1x



PN-200001625
2x

ITEMS IN BOX



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



PN-200003781

1x



10

LED BOX

PN-20000
Zip Bag
3829



LED STRIP

6x



6 LED HARNESS

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

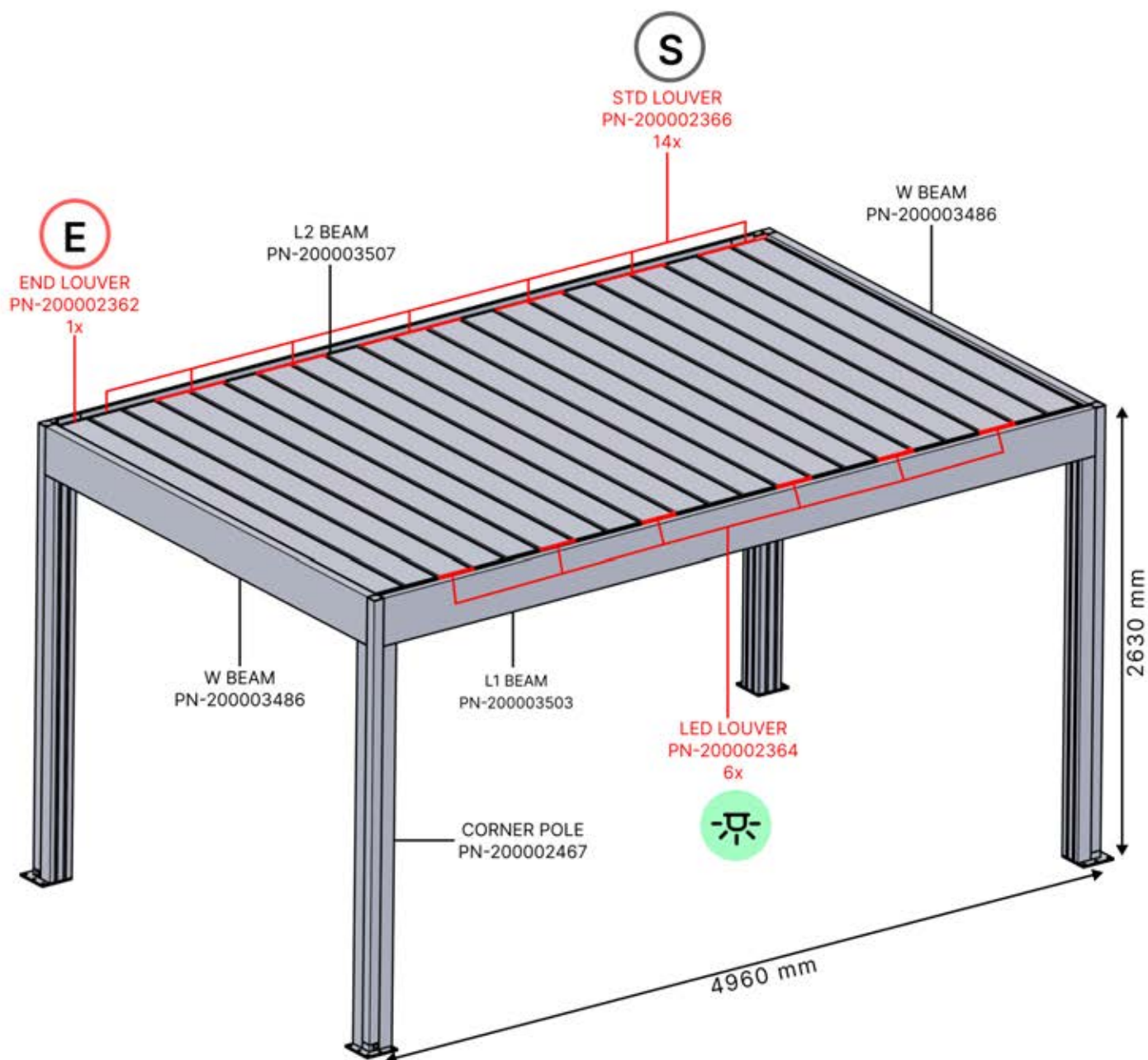


CONTROL BOX

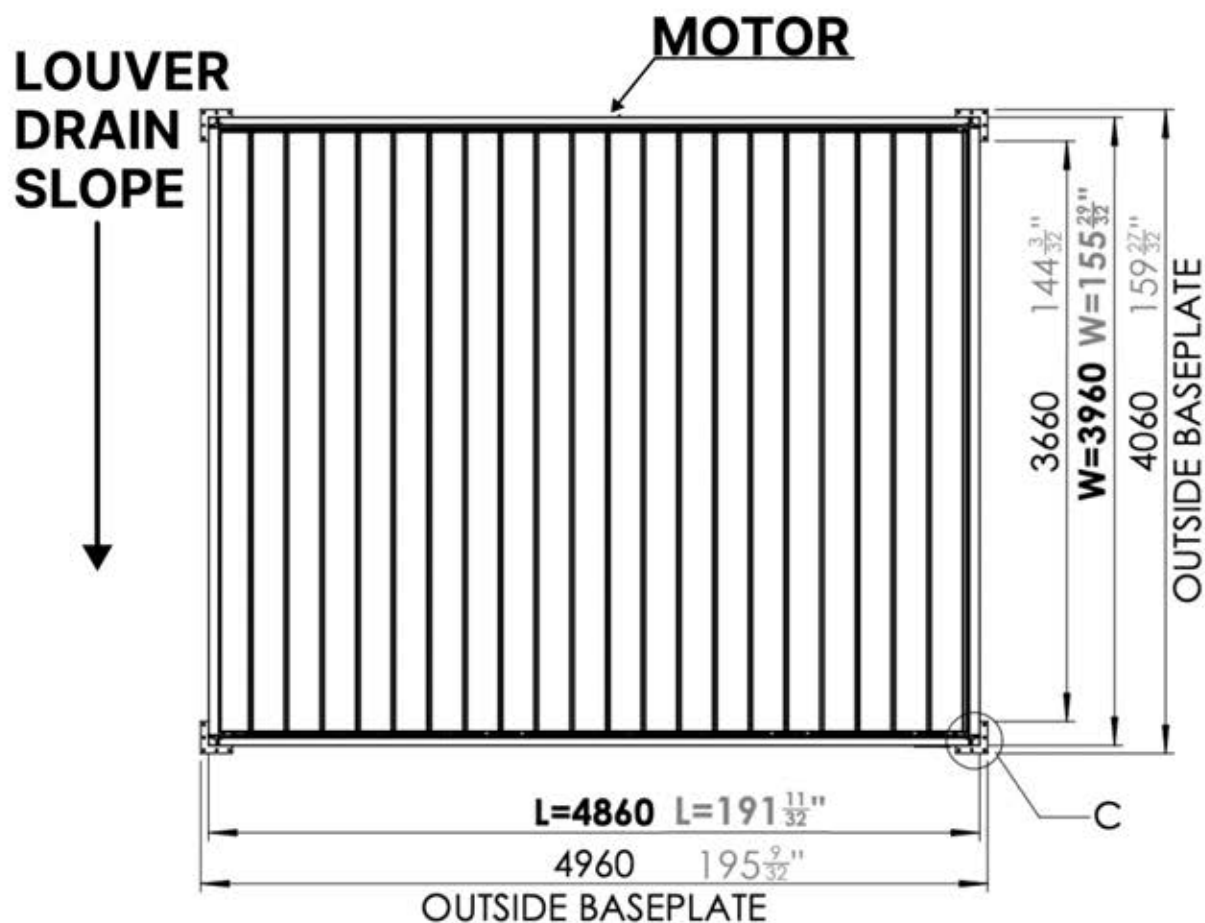
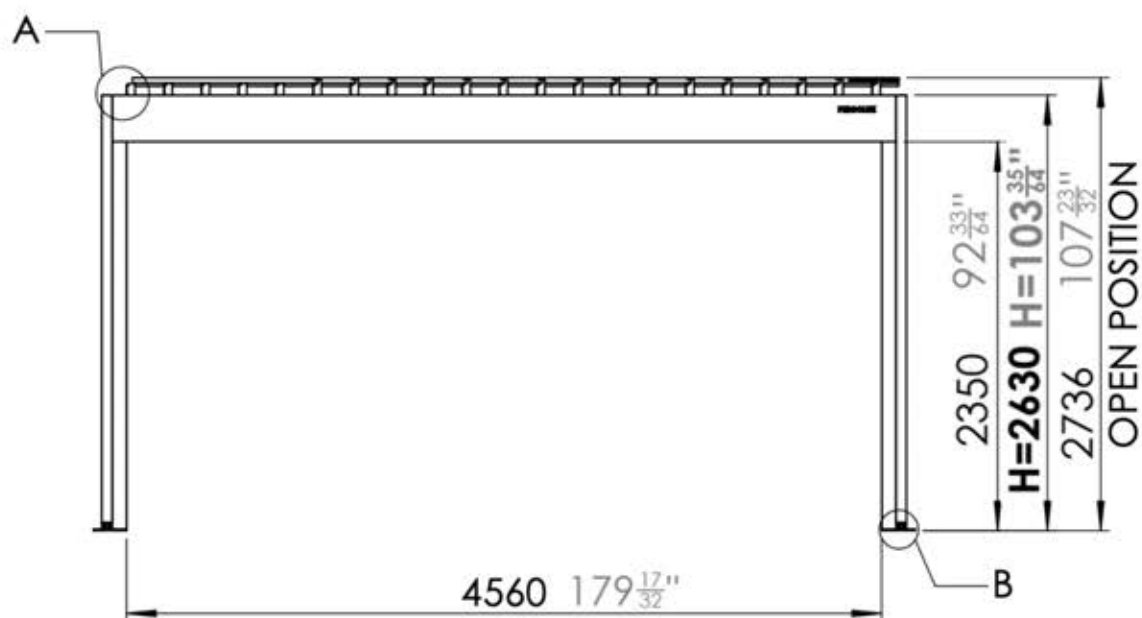
[View Manual](#)

S4 PERGOLUX | PERGOLA PRO MAX FREESTANDING

4 × 5 m / 13' x 16'



4 × 5 m / 13' x 16'



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.

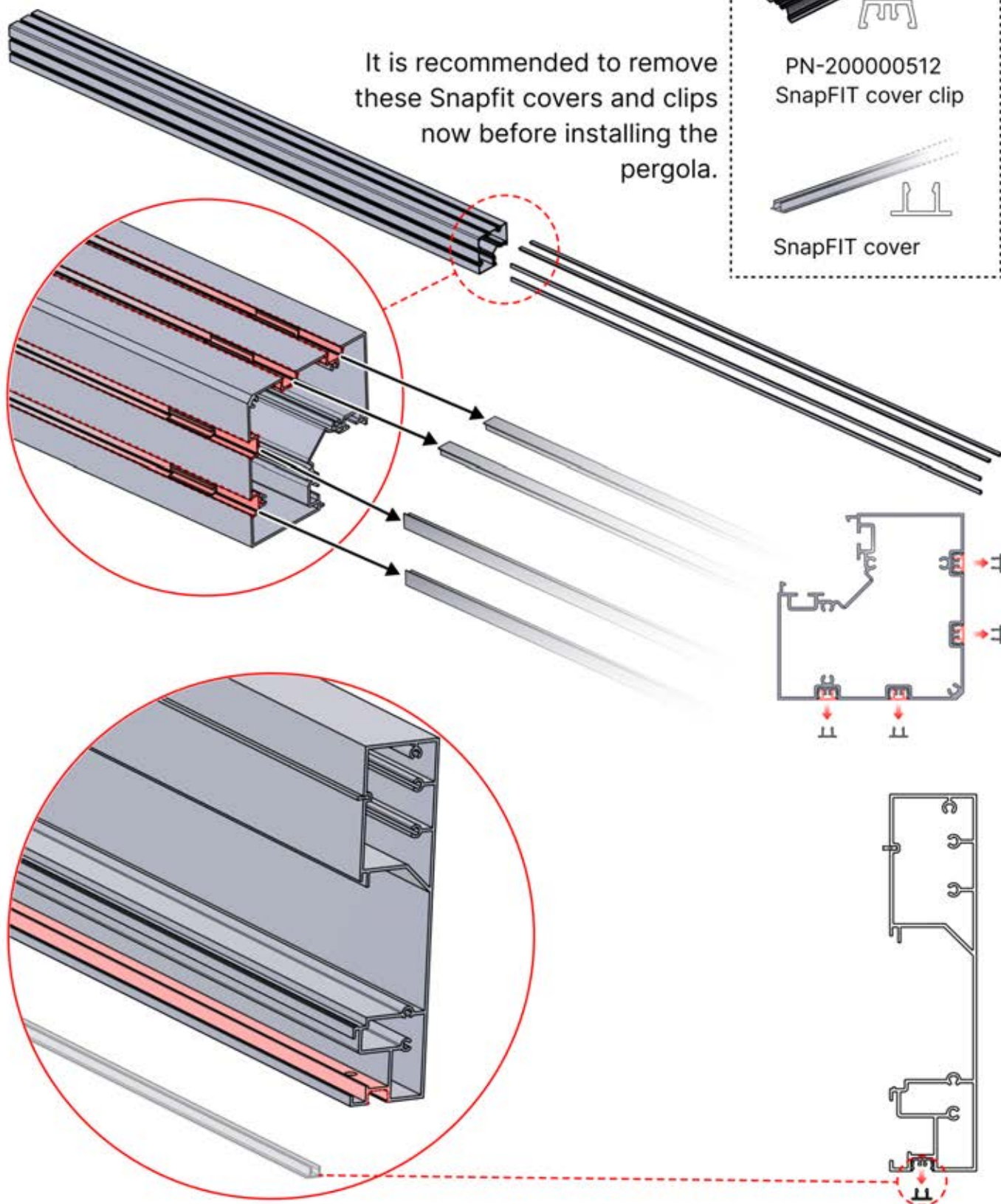
Cover and clips



PN-200000512
SnapFIT cover clip



SnapFIT cover



INFORMATION

Are you installing a heater or fan ?

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

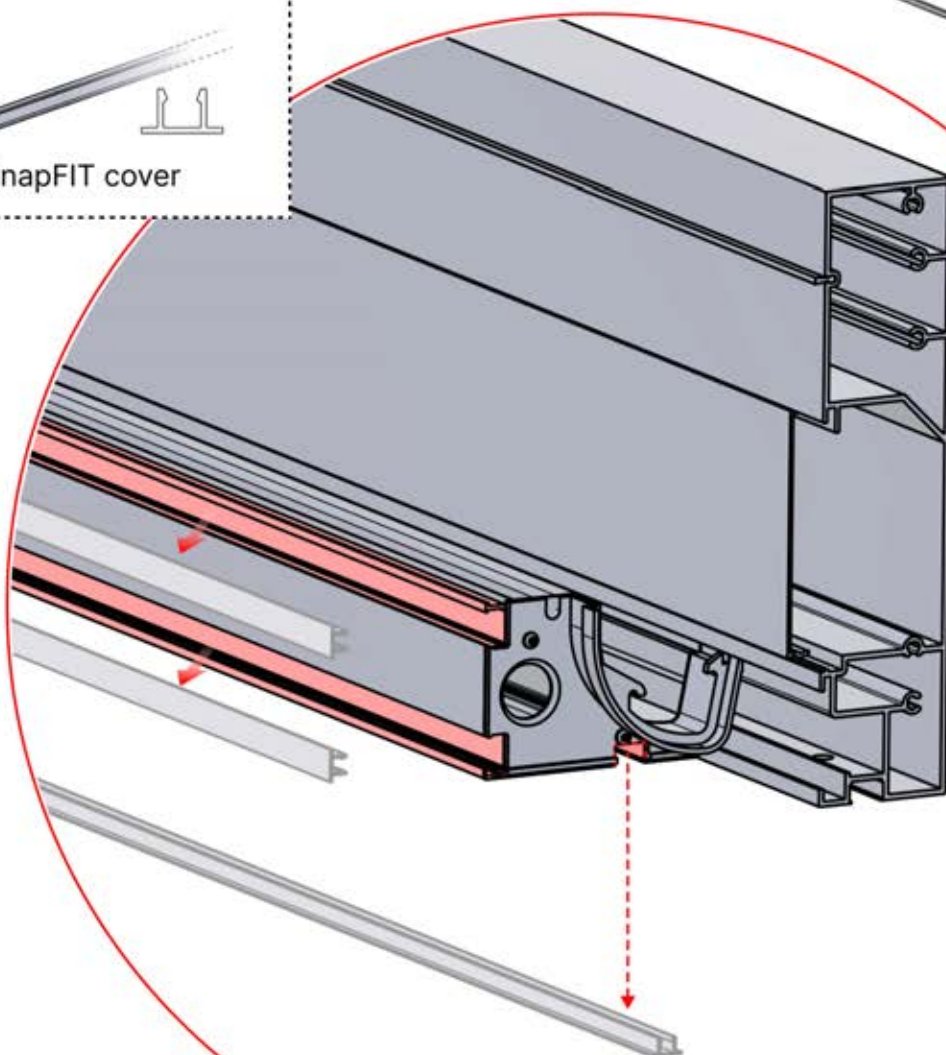
Cover and clips



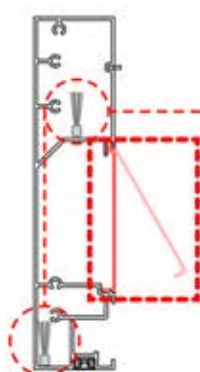
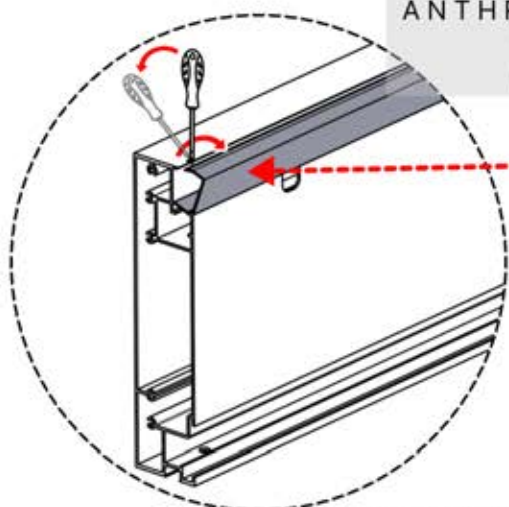
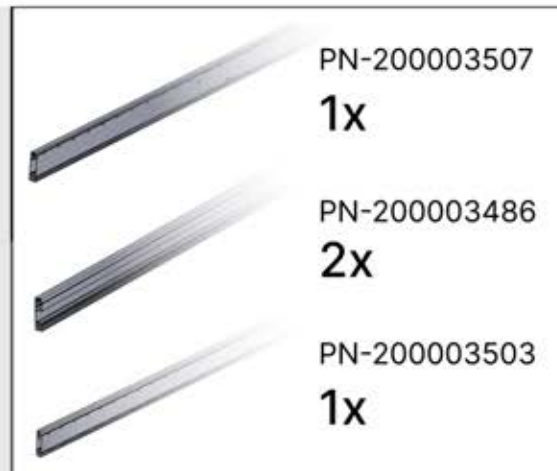
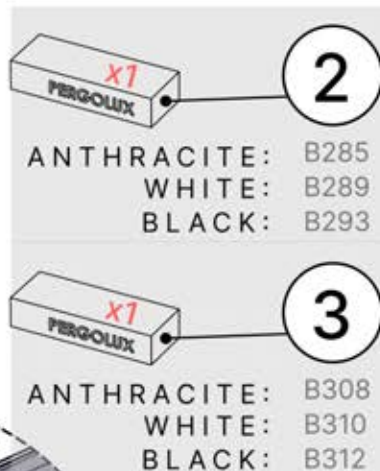
PN-200000512
SnapFIT cover clip



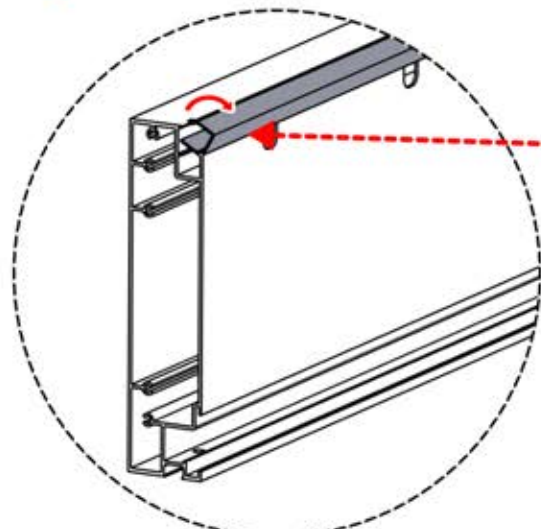
SnapFIT cover



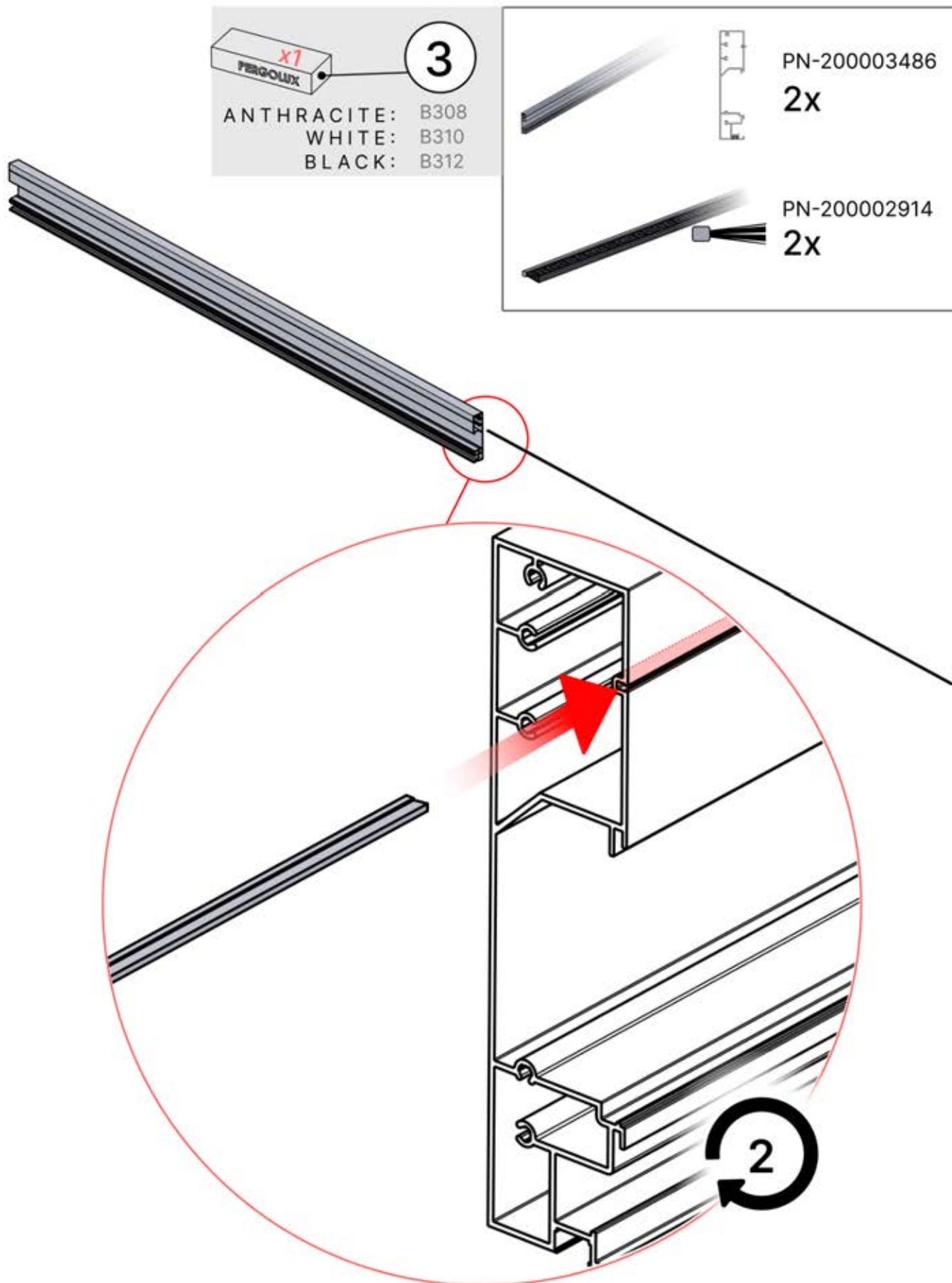
INFORMATION



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



INFORMATION

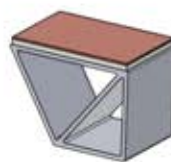


01



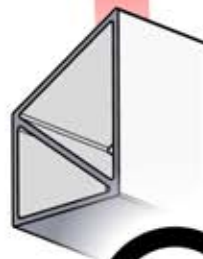
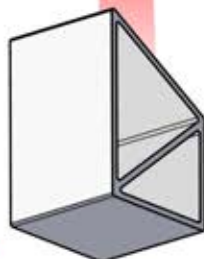
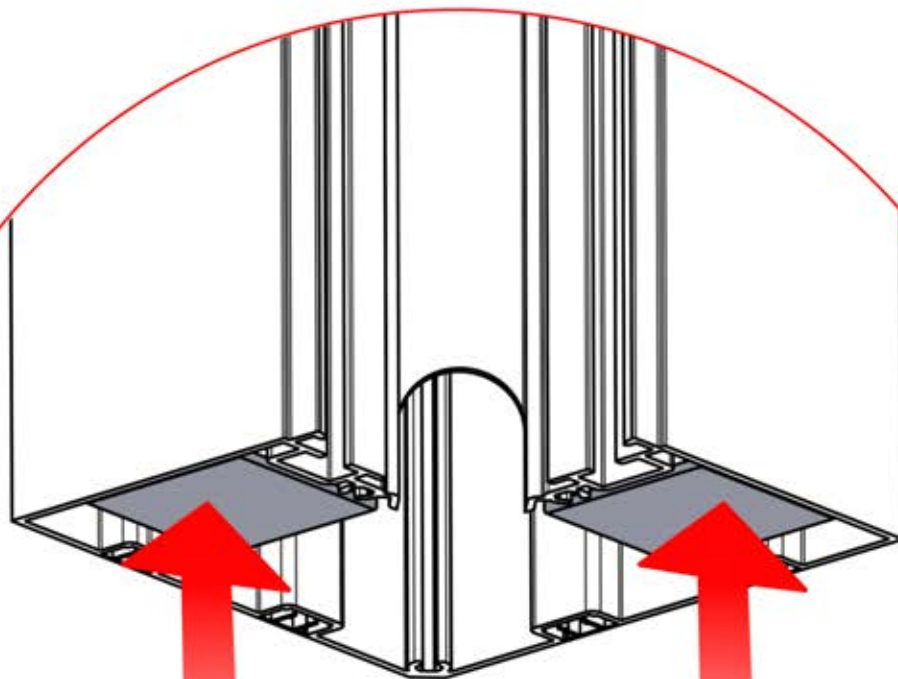
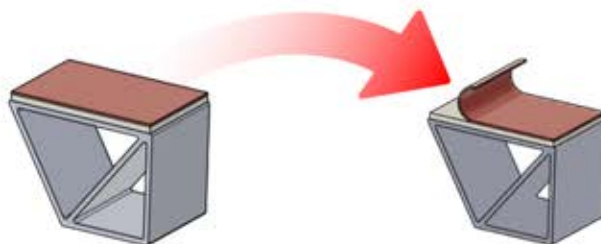
2

ANTHRACITE: B285
WHITE: B289
BLACK: B293



PN-200002286

8x



4



02



1

ANTHRACITE: C126
WHITE: C127
BLACK: C128



2

ANTHRACITE: B285
WHITE: B289
BLACK: B293



PN-200002467

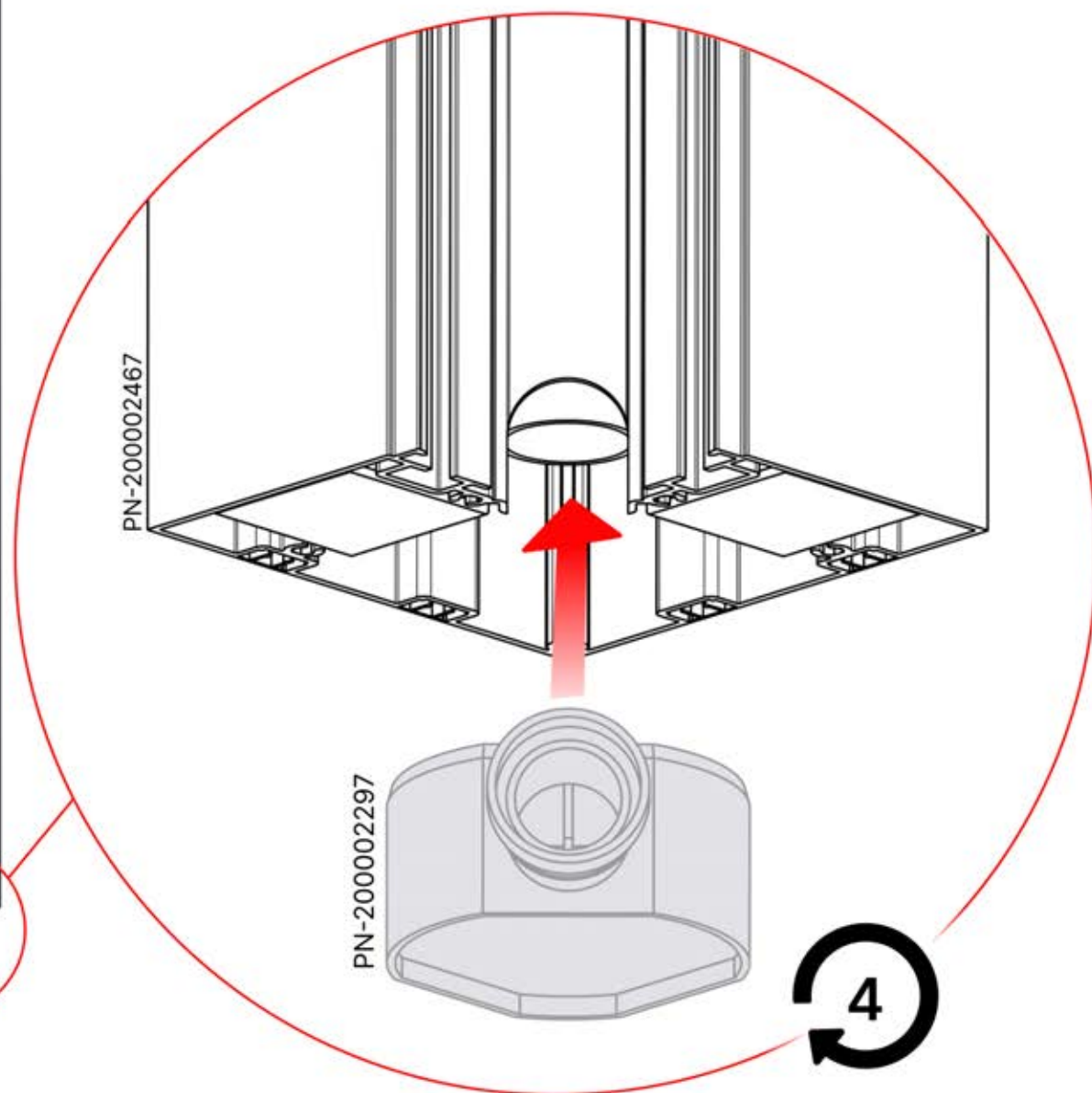
4x



PN-200002297

4x

PN-20000
3768



03

x2

PERGOLUX
PERGOLUX

1

ANTHRACITE: C126
WHITE: C127
BLACK: C128

x7

PERGOLUX

2

ANTHRACITE: B285
WHITE: B289
BLACK: B293



PN-200002299

4x

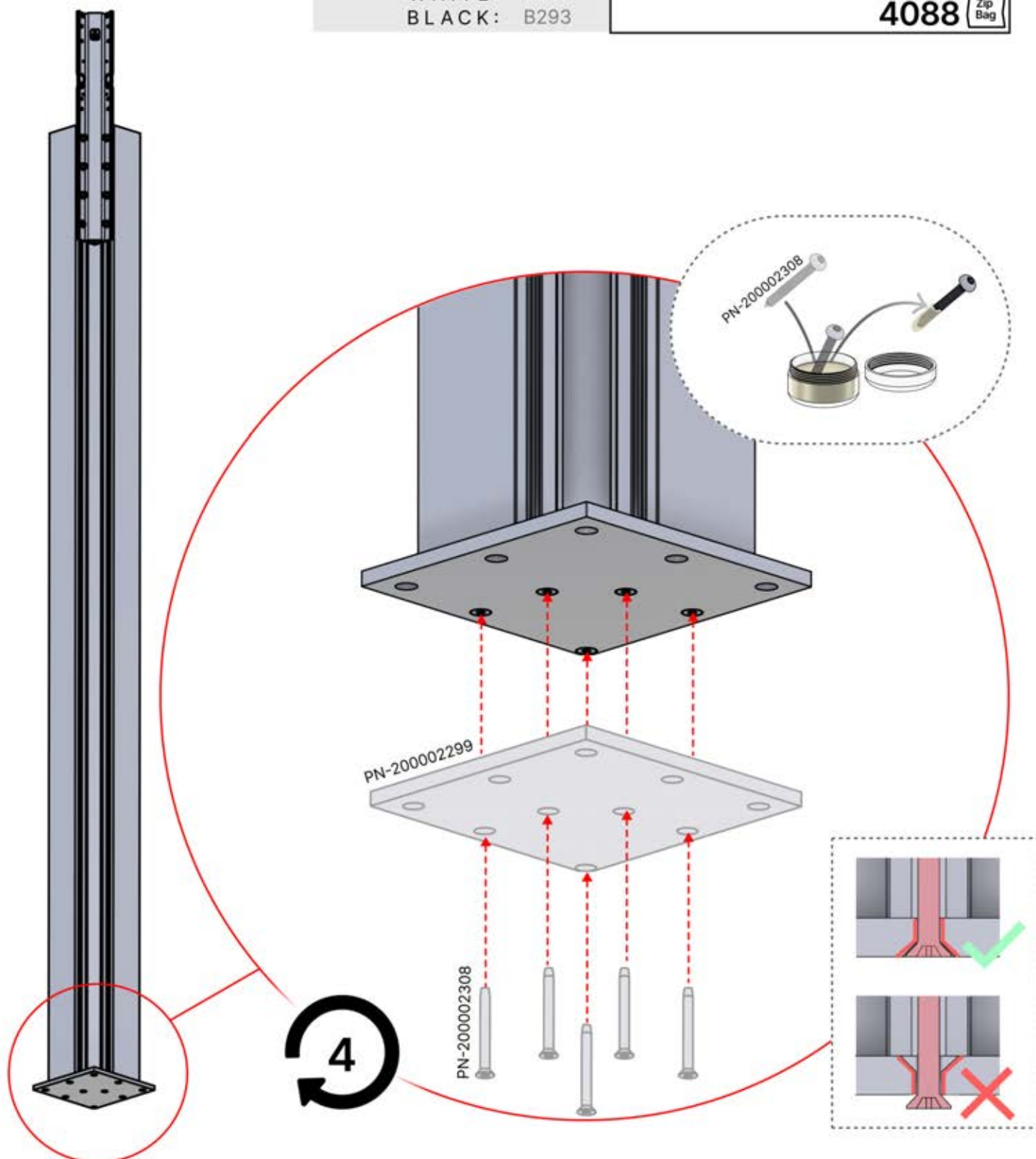


PN-200002308

20x

PN-200004088

Zip Bag



04



3

ANTHRACITE: B308
WHITE: B310
BLACK: B312

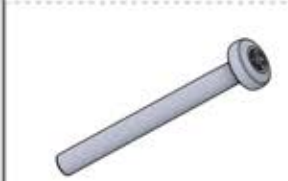


2

ANTHRACITE: B285
WHITE: B289
BLACK: B293



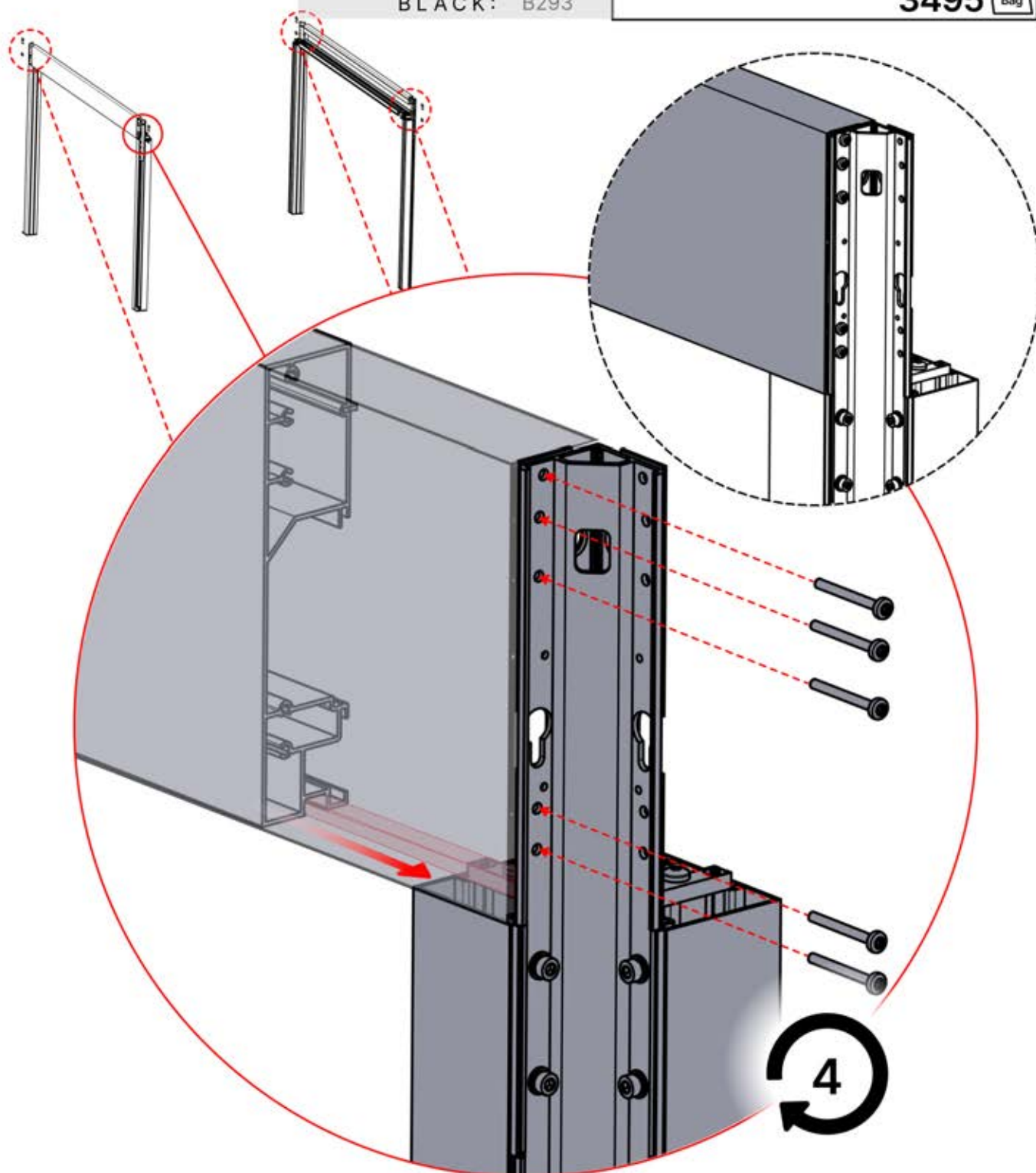
PN-200003486
2x



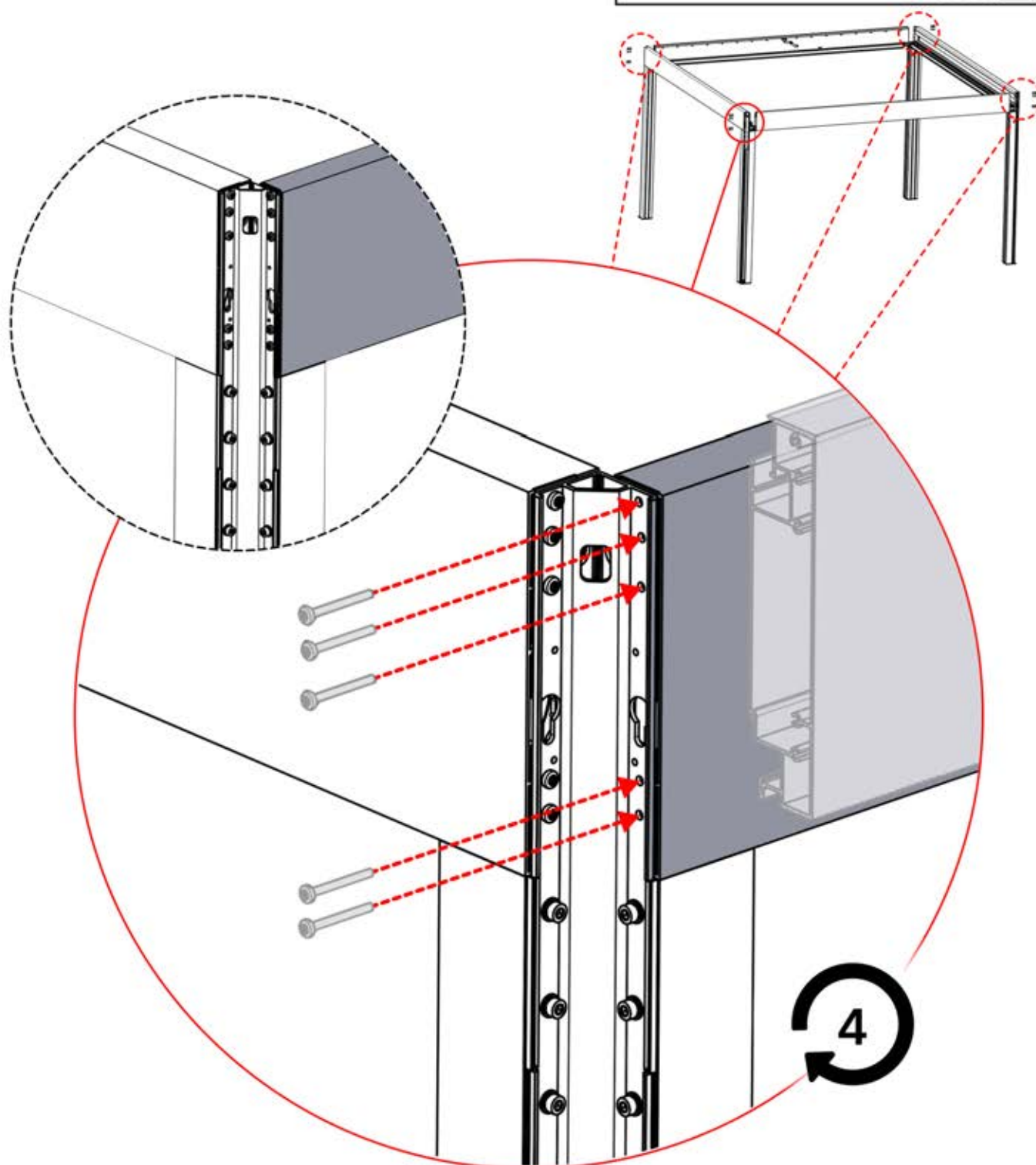
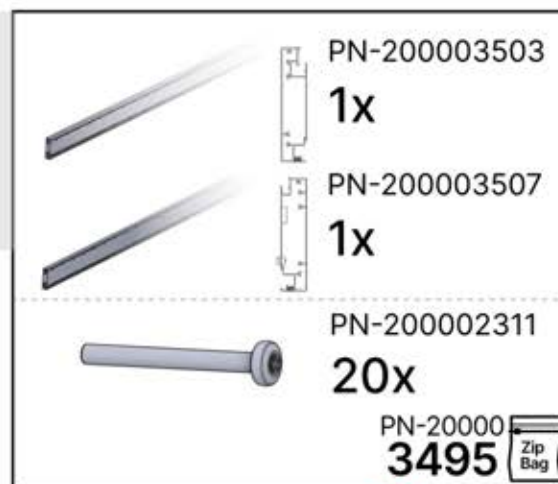
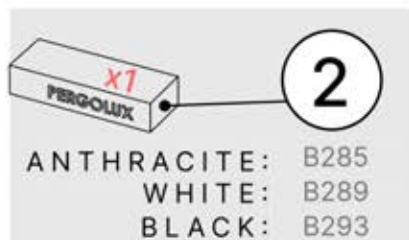
PN-200002311
20x

PN-20000
3495

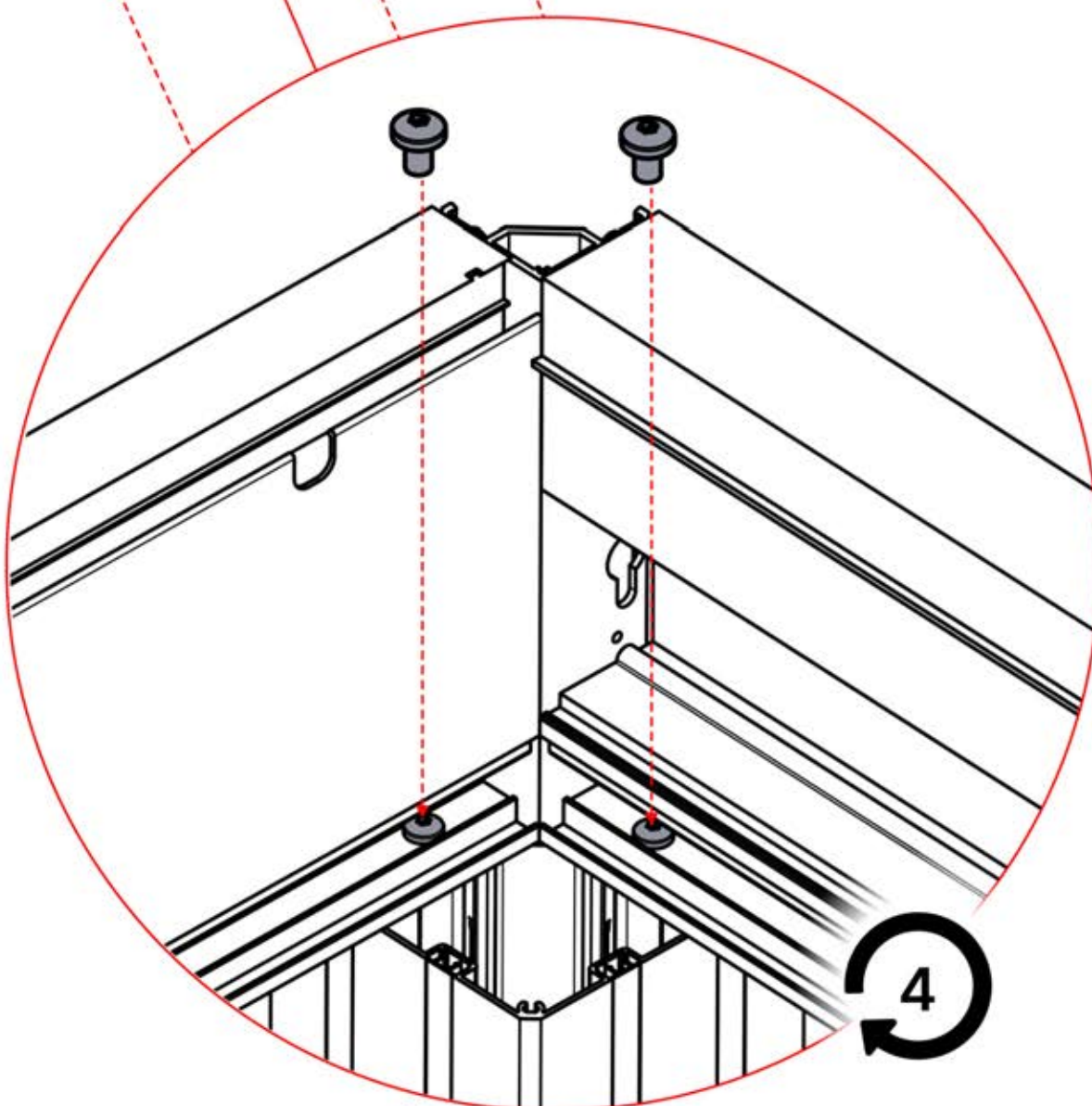
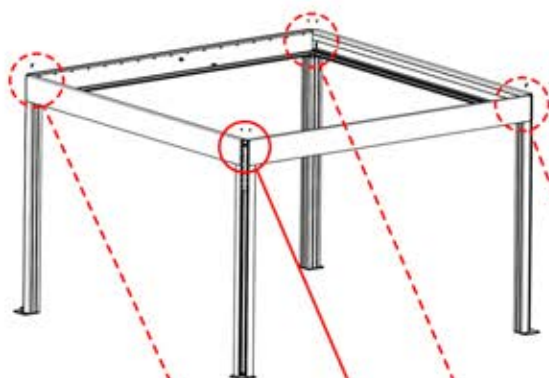
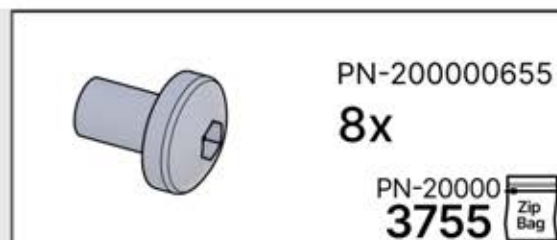
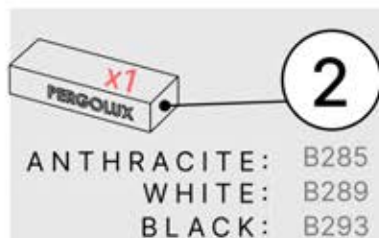




05



06

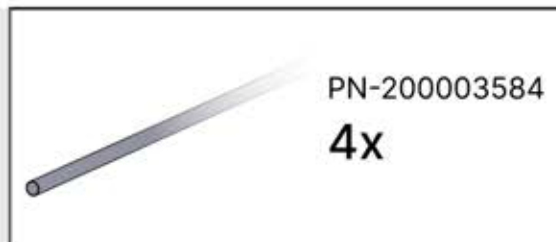


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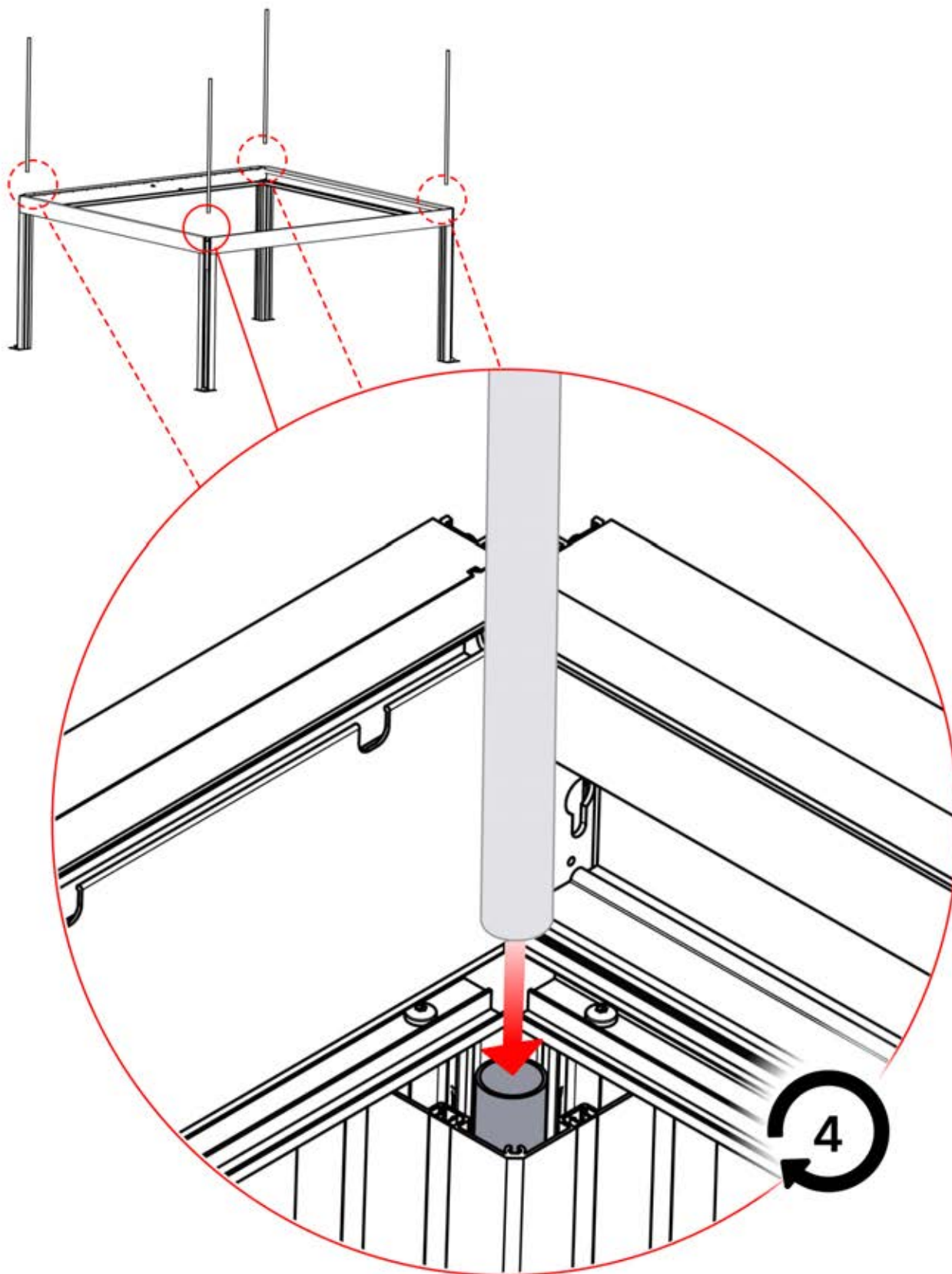
ANTHRACITE: C126
WHITE: C127
BLACK: C128

1

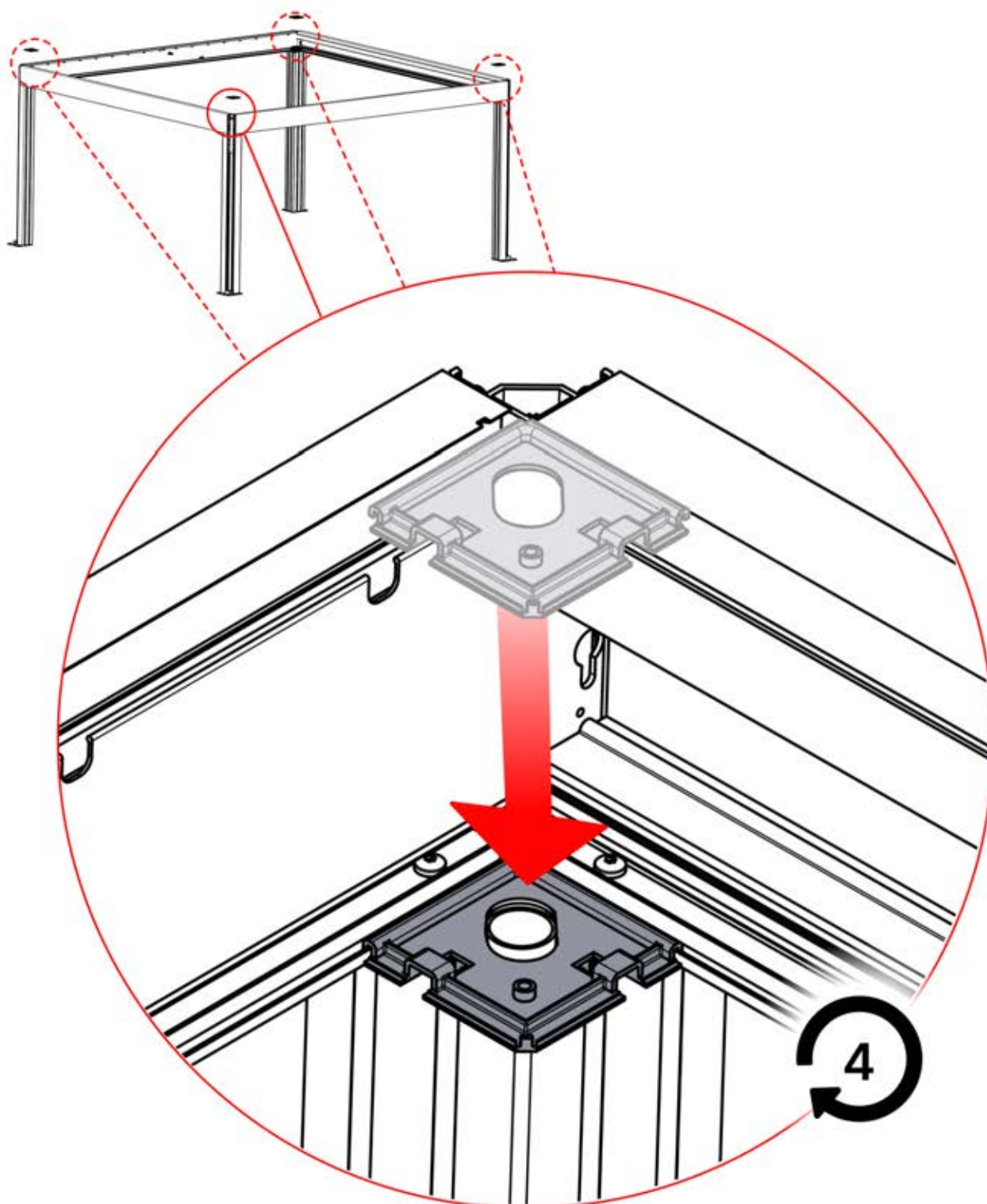
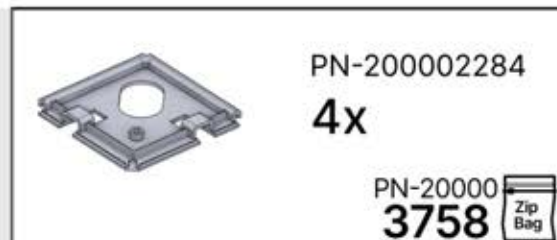
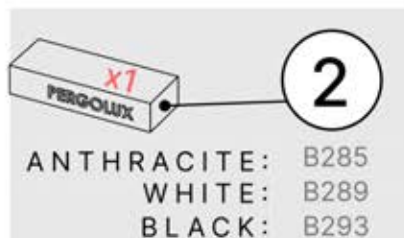


PN-200003584

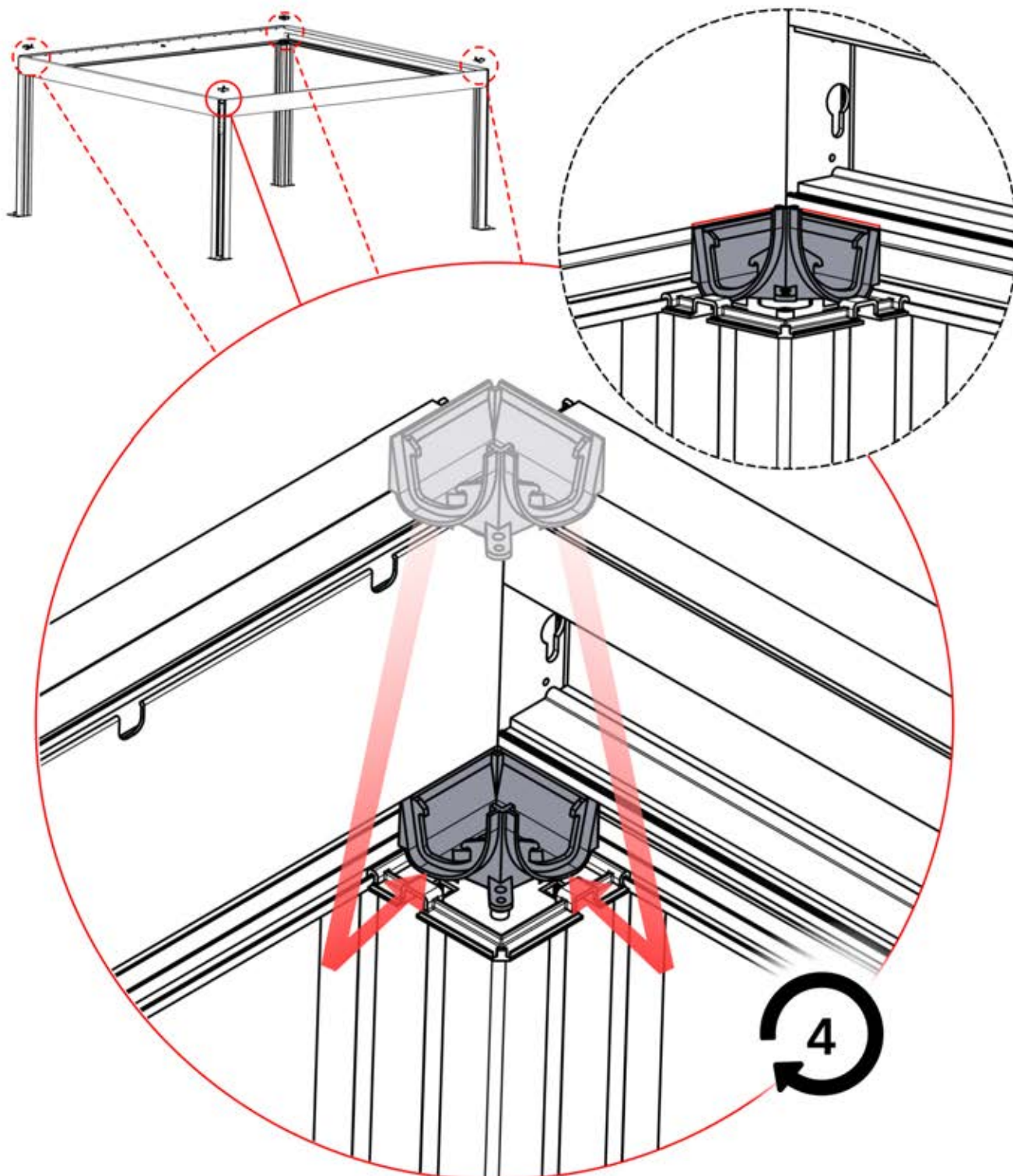
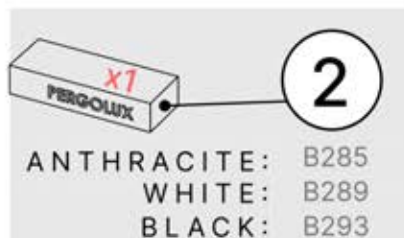
4x



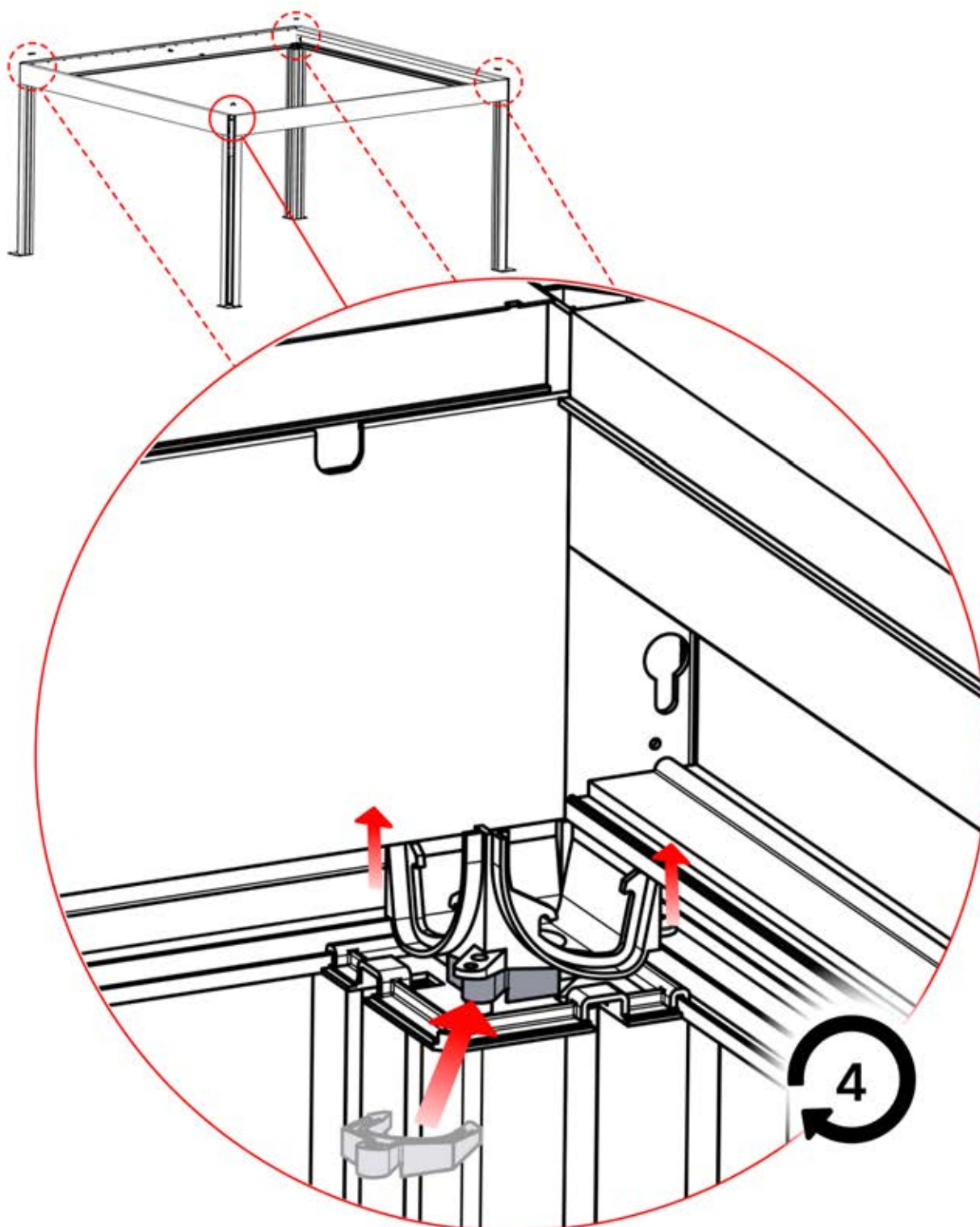
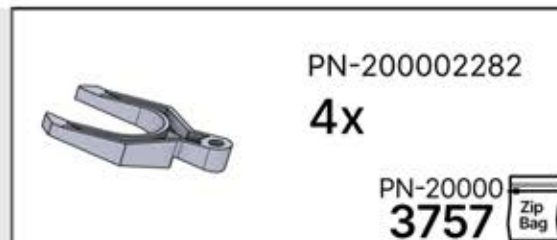
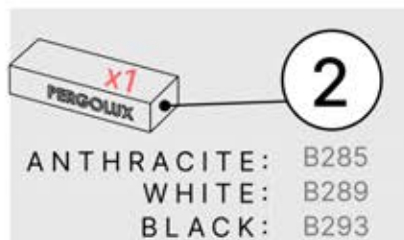
08



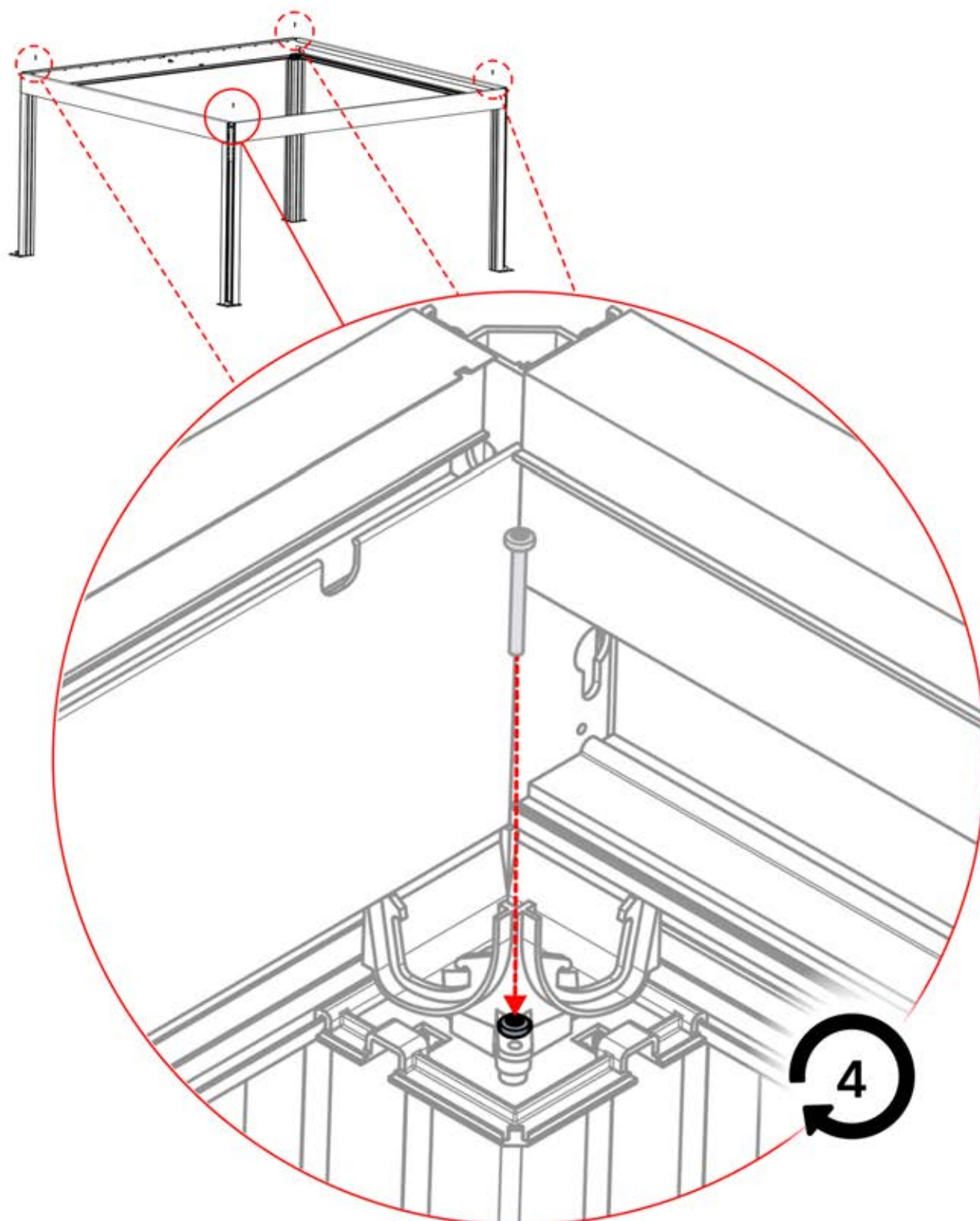
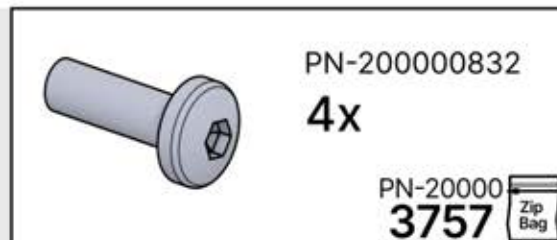
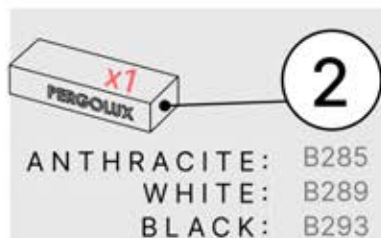
09



10



11



12



2

ANTHRACITE: B285
WHITE: B289
BLACK: B293



3

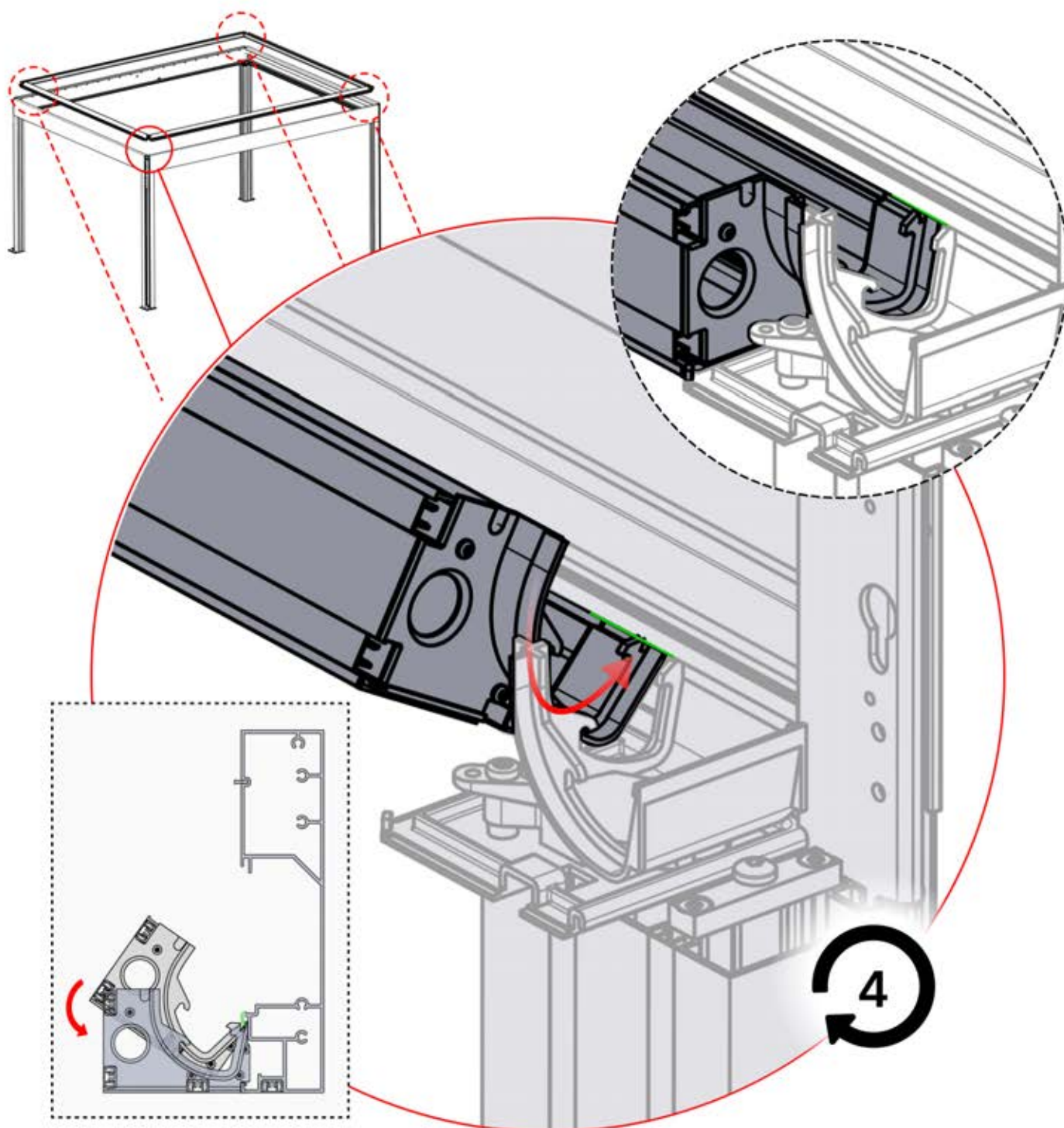
ANTHRACITE: B308
WHITE: B310
BLACK: B312



PN-200002486
2x



PN-200002347
2x



13



3

ANTHRACITE: B308
WHITE: B310
BLACK: B312



2

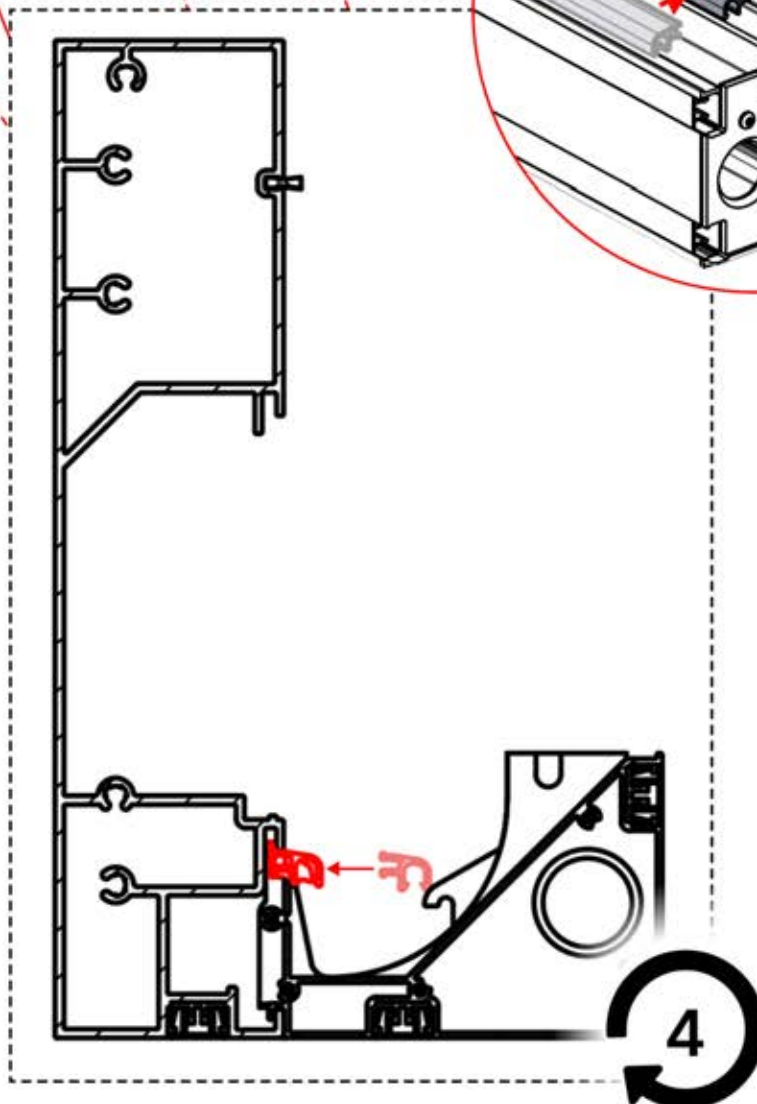
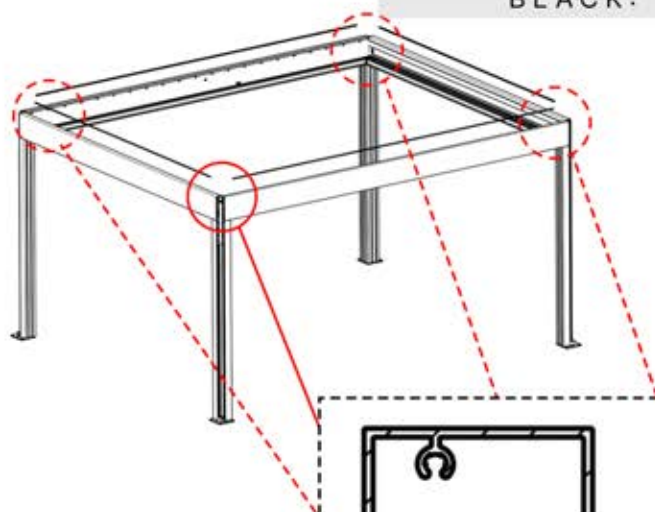
ANTHRACITE: B285
WHITE: B289
BLACK: B293



PN-200002323
2x



PN-200002490
2x



INFORMATION



Apply grease to
part



2

ANTHRACITE: B285
WHITE: B289
BLACK: B293



PN-200003051

8x

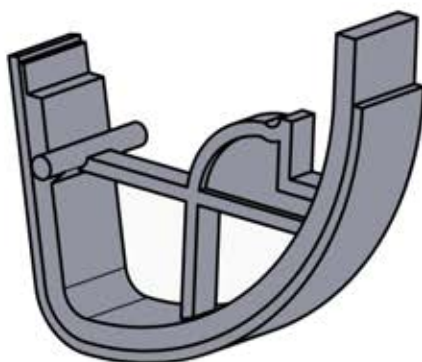
PN-200003049

8x

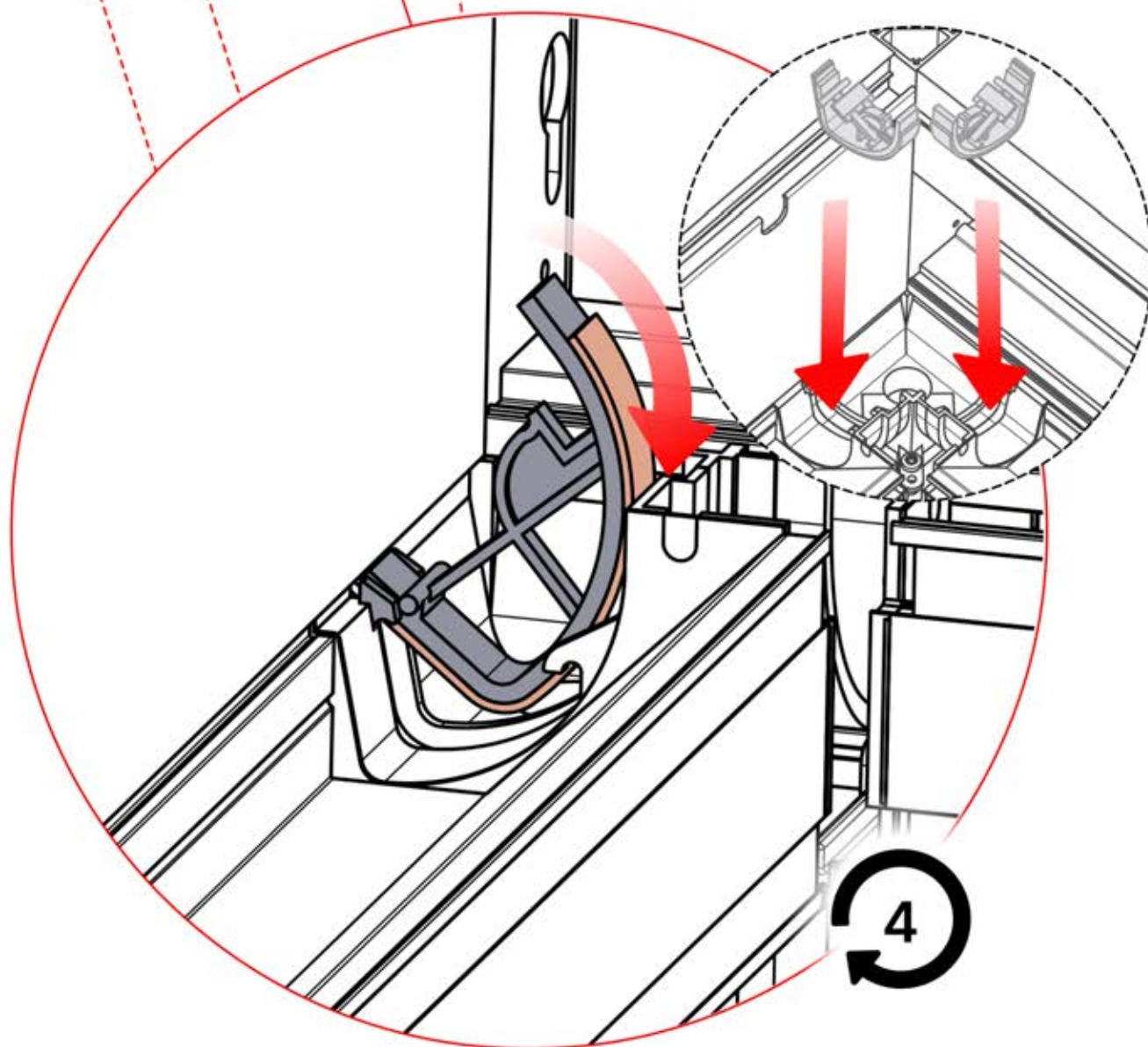
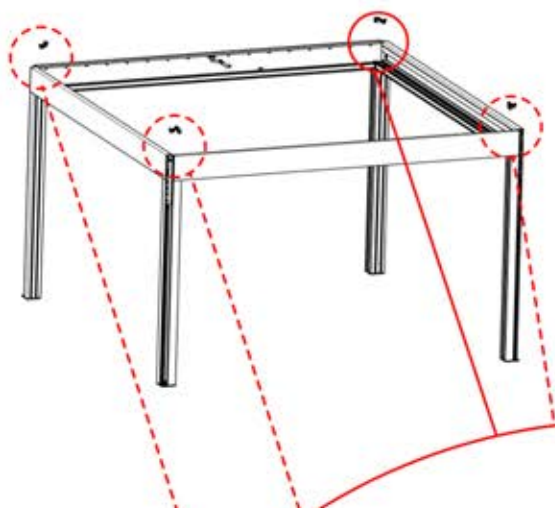
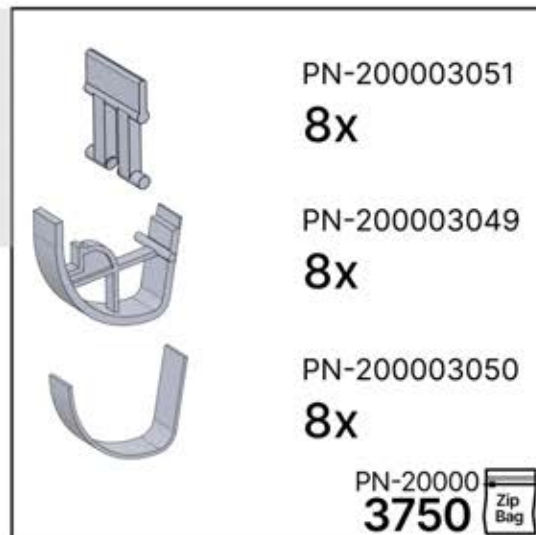
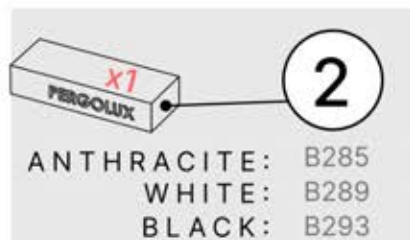
PN-200003050

8x

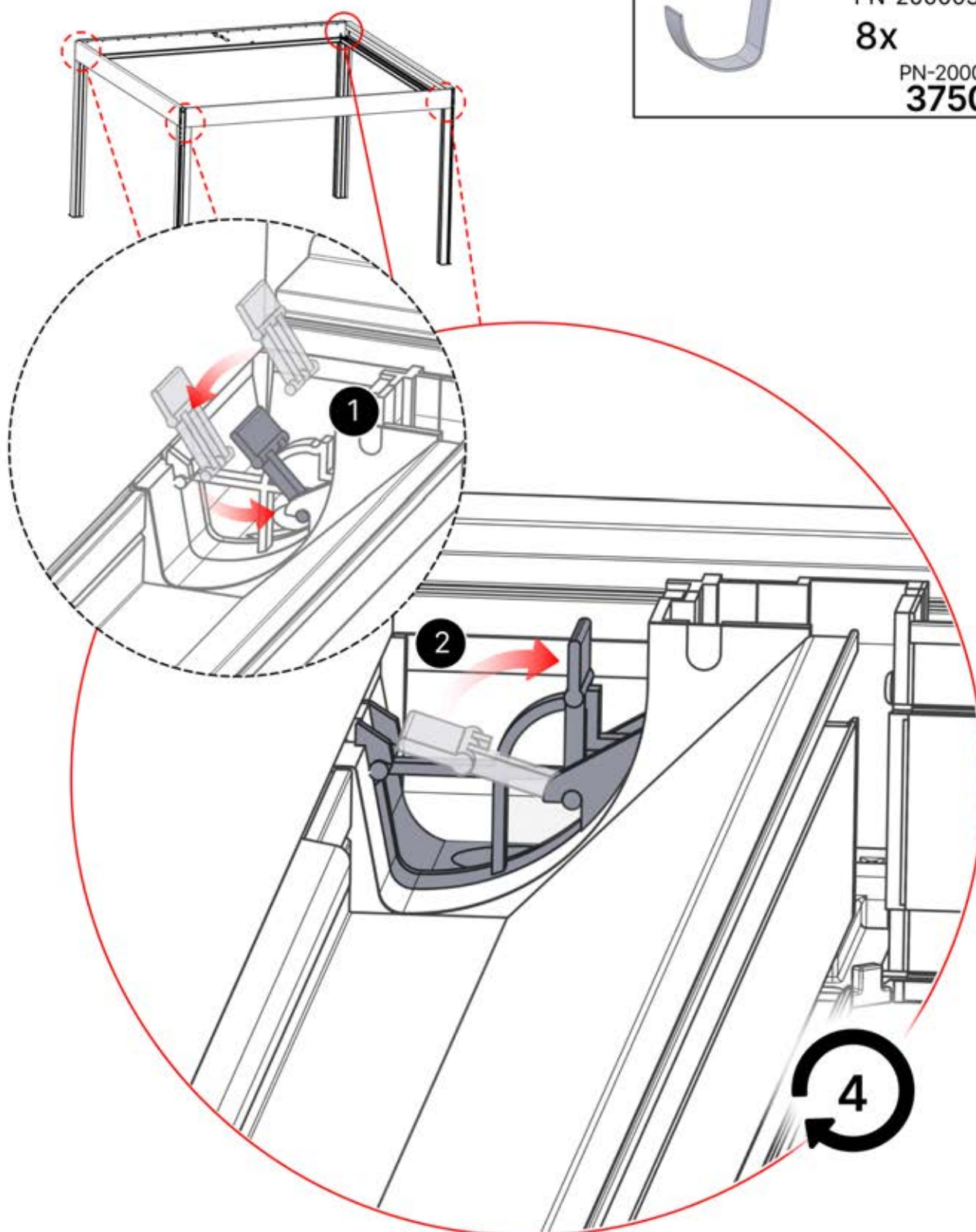
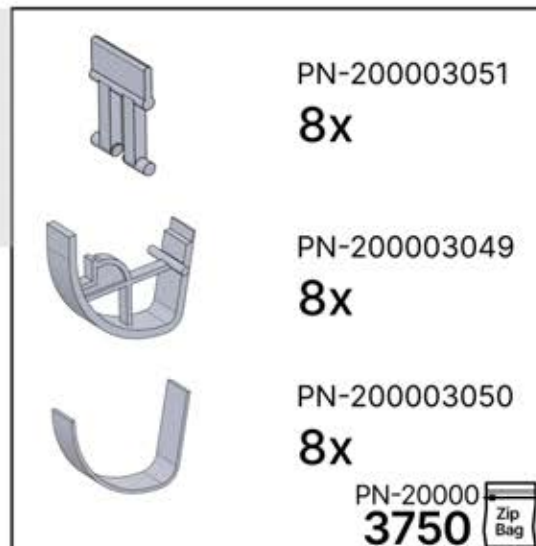
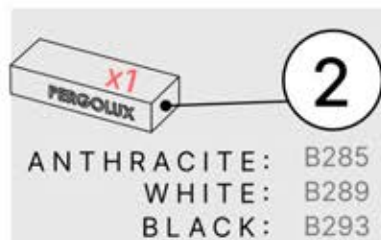
PN-20000
3750



14



15



16



2

ANTHRACITE: B285
WHITE: B289
BLACK: B293



PN-200002289

4x

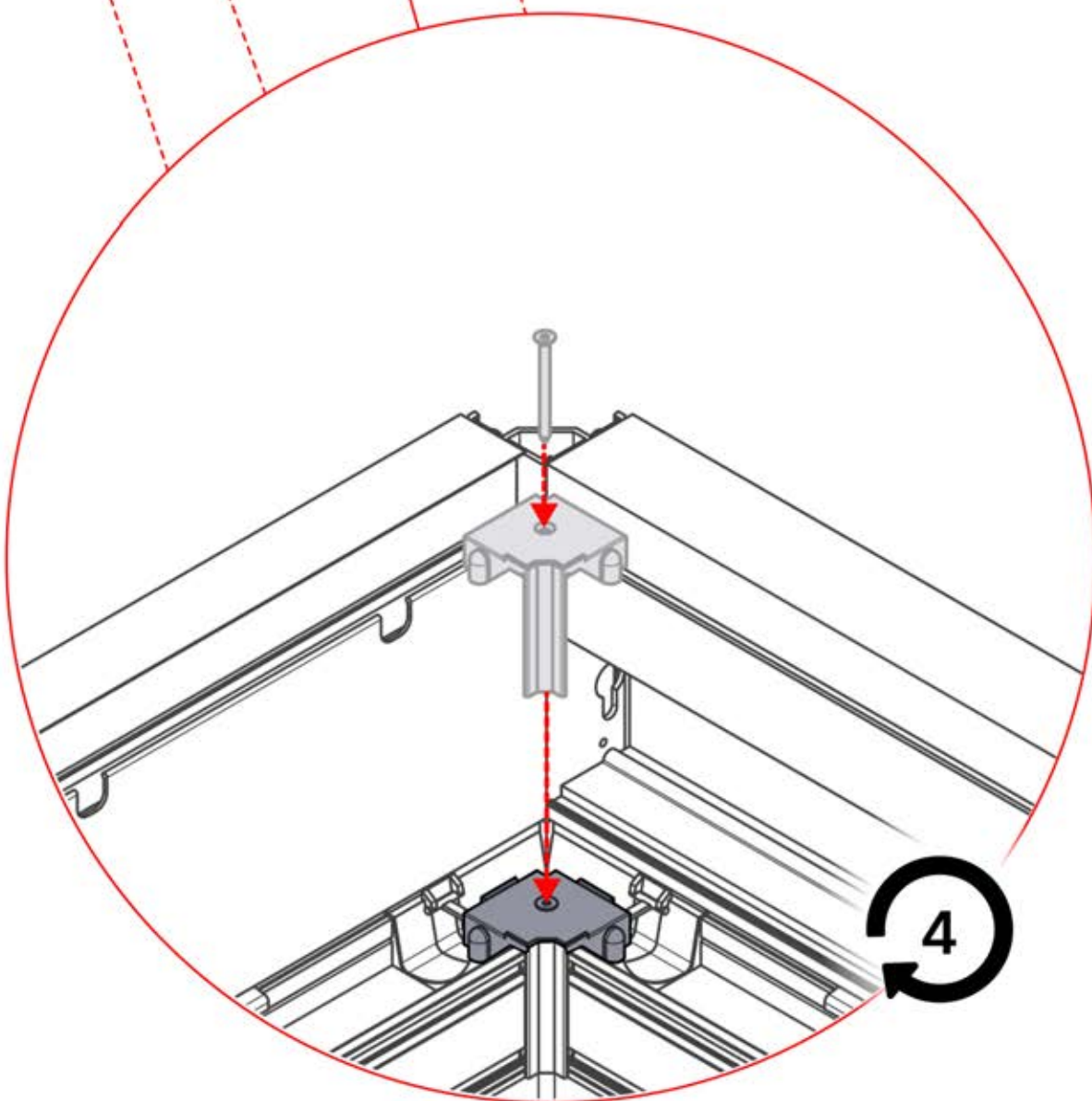
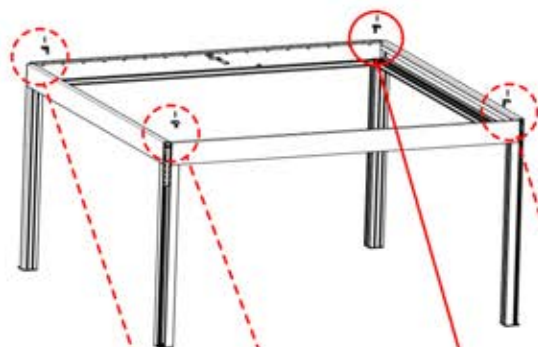
PN-20000
3496



PN-200000958

4x

PN-20000
3756



17



2

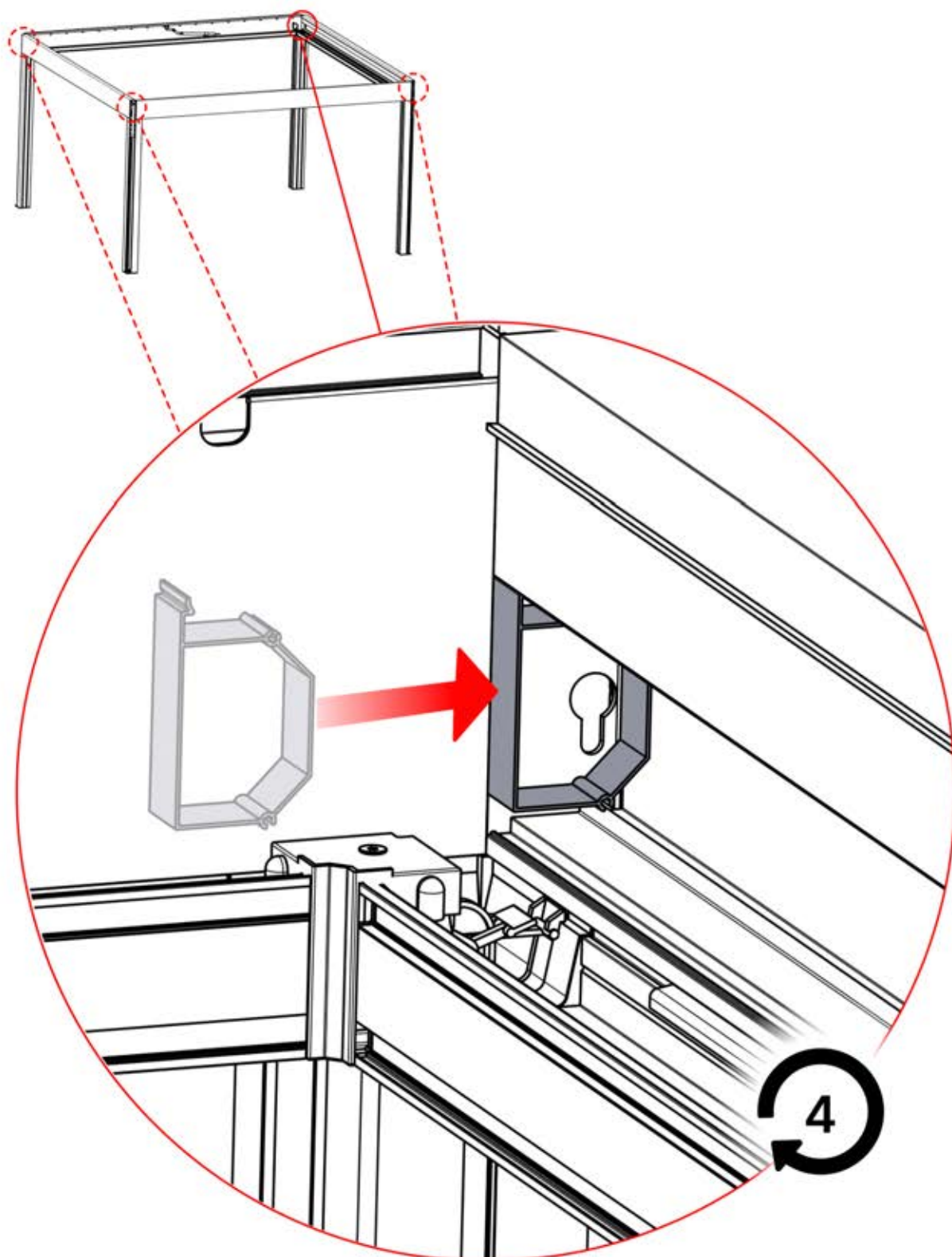
ANTHRACITE: B285
WHITE: B289
BLACK: B293



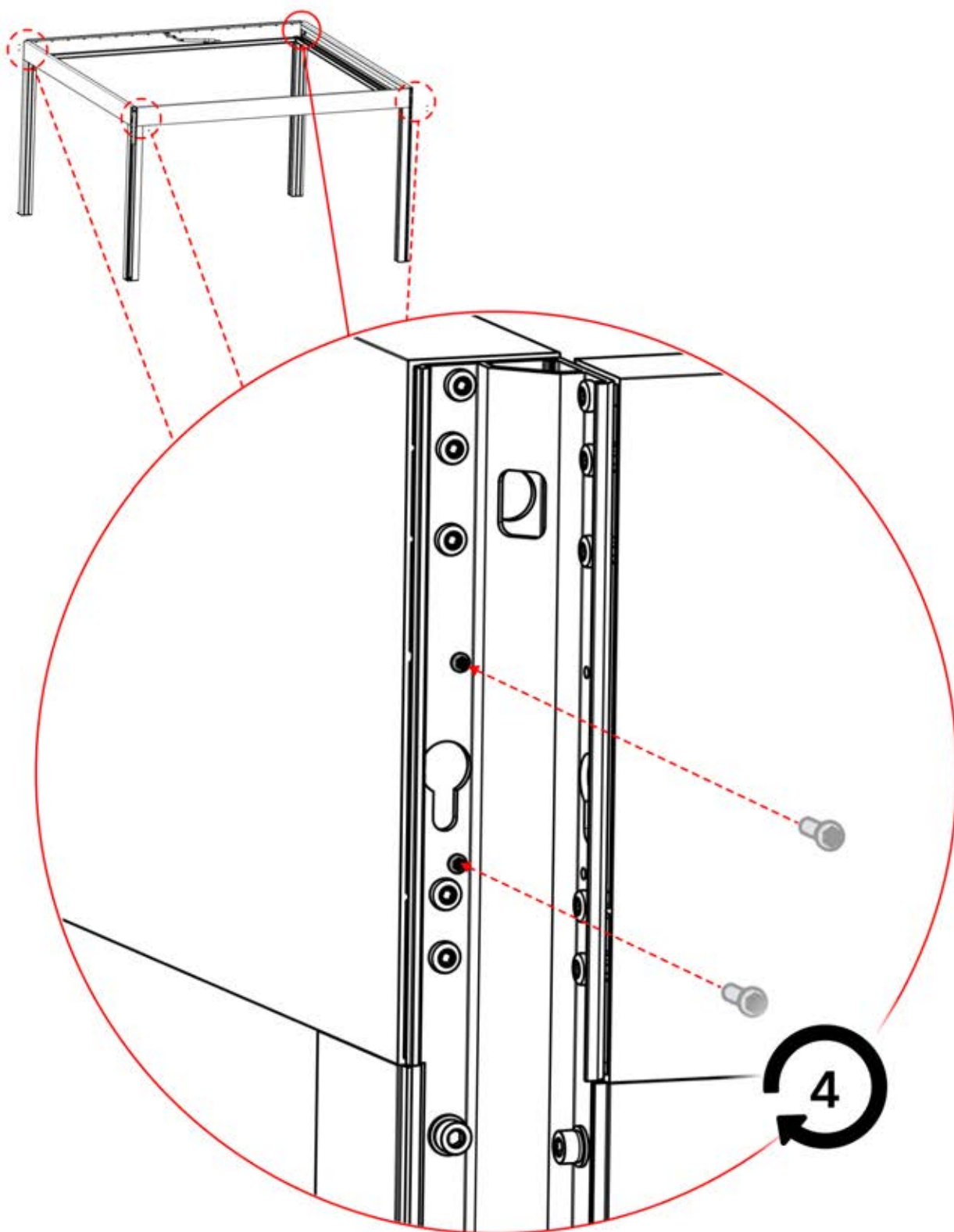
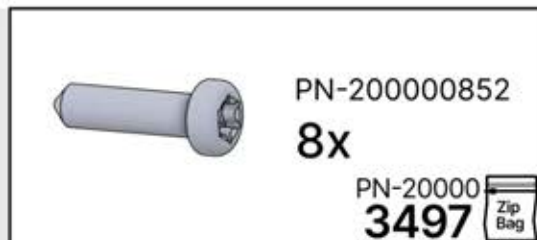
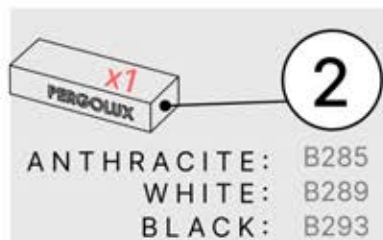
PN-200002329

4x

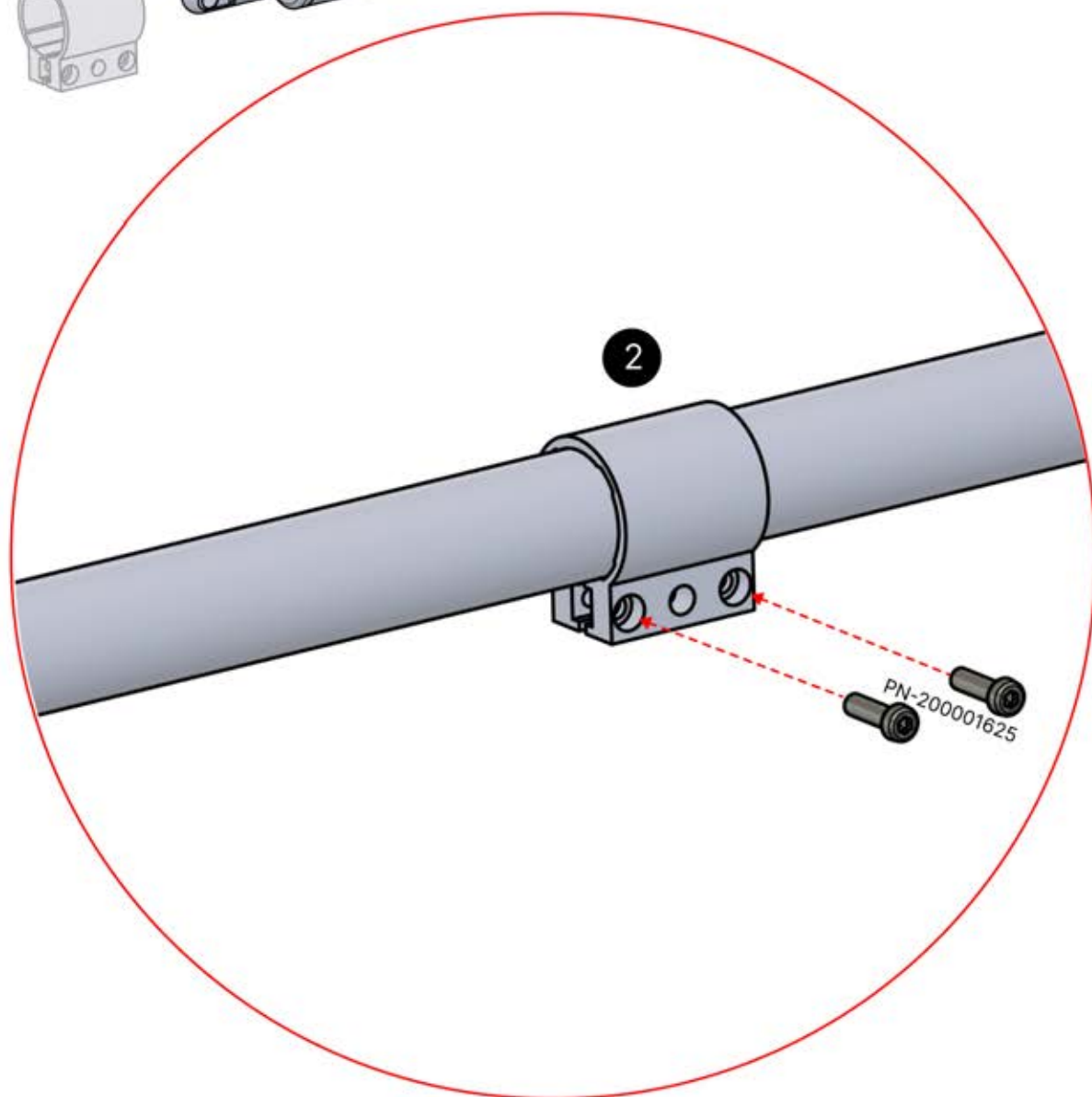
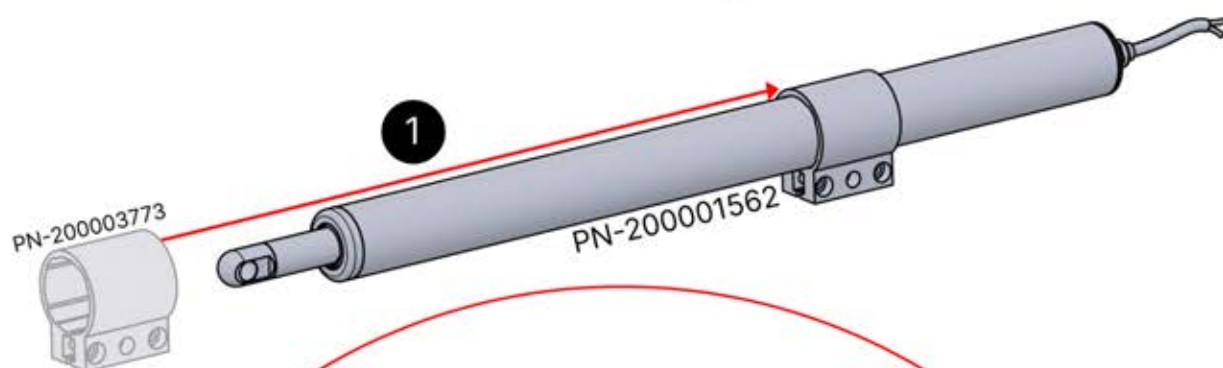
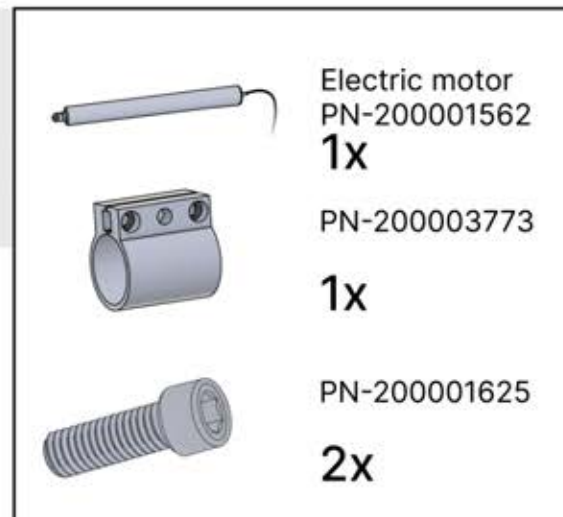
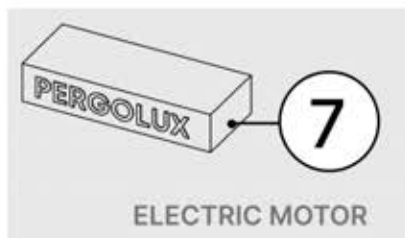
PN-20000
3497



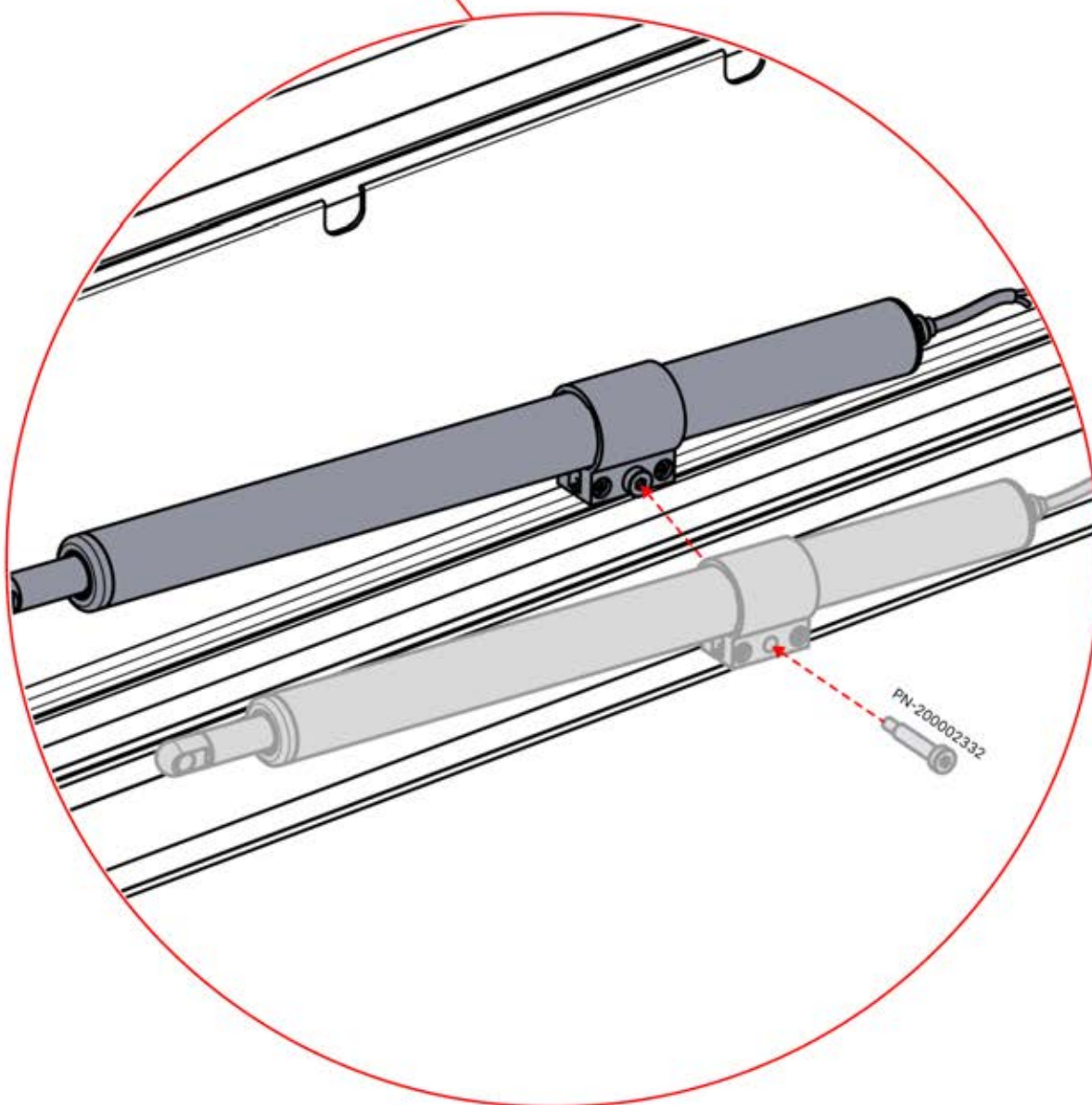
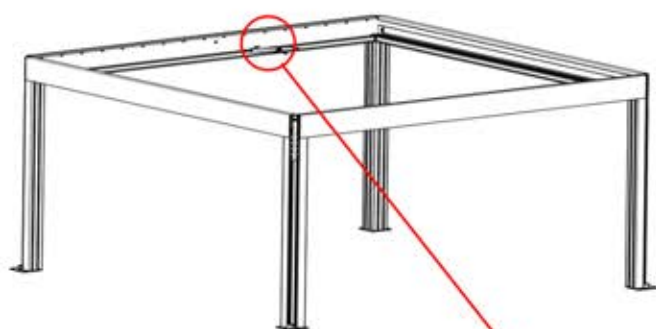
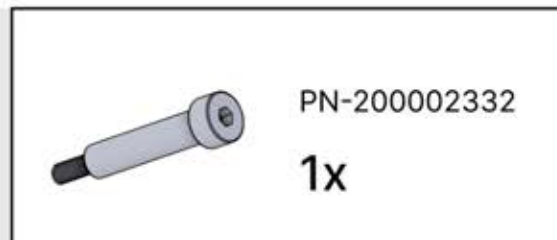
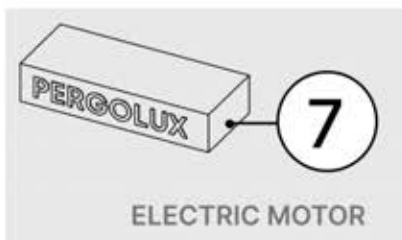
18



19

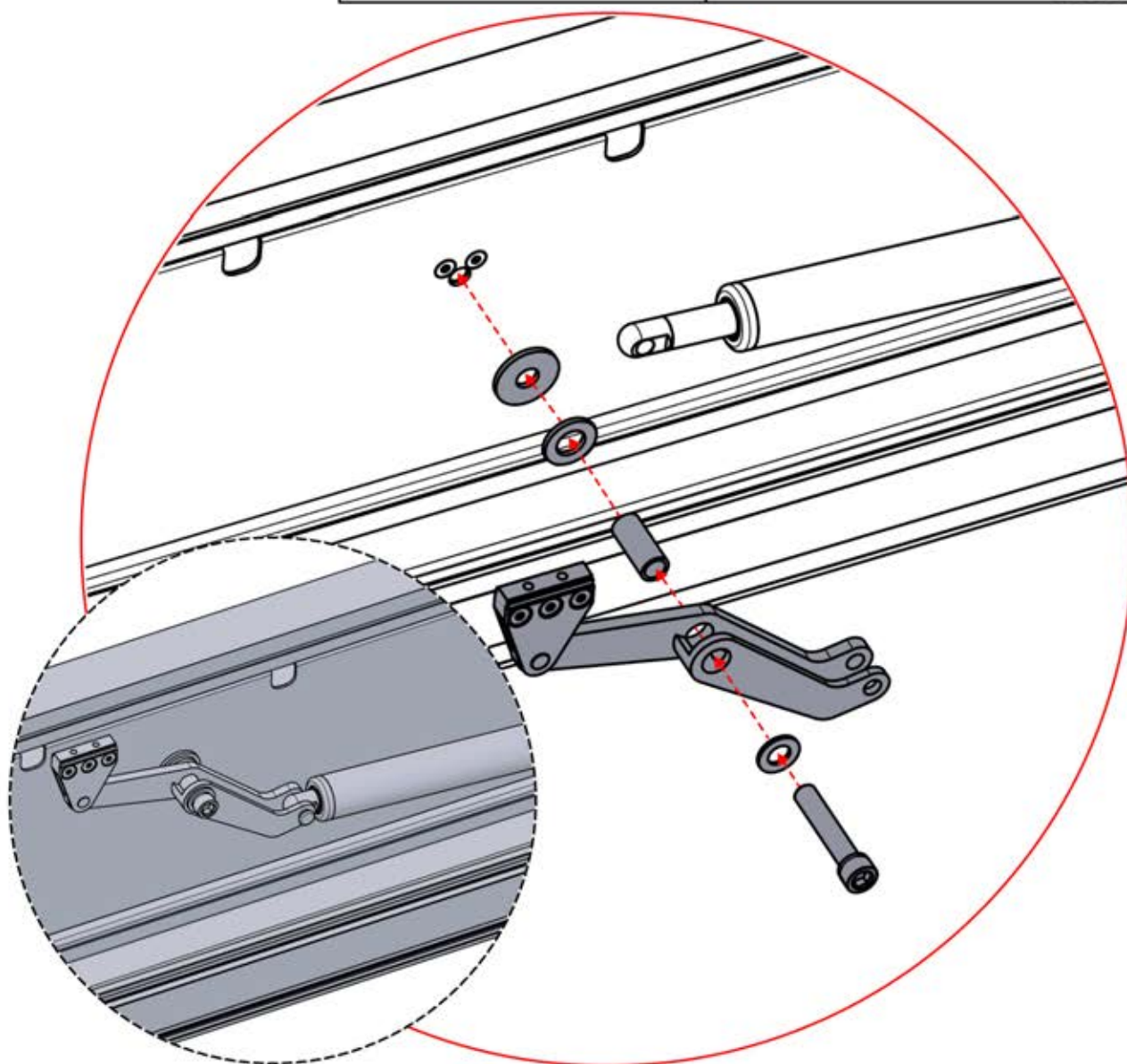


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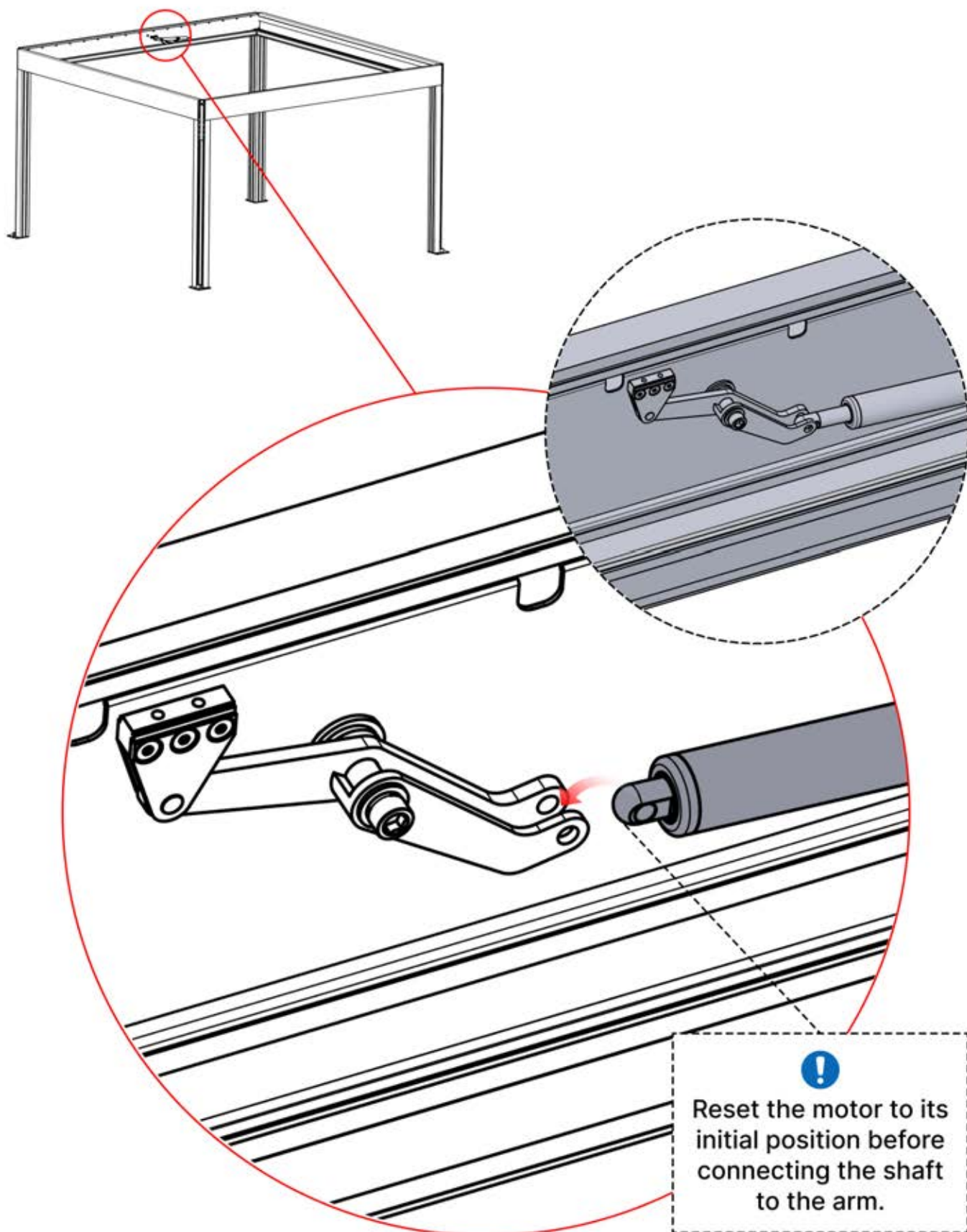


21

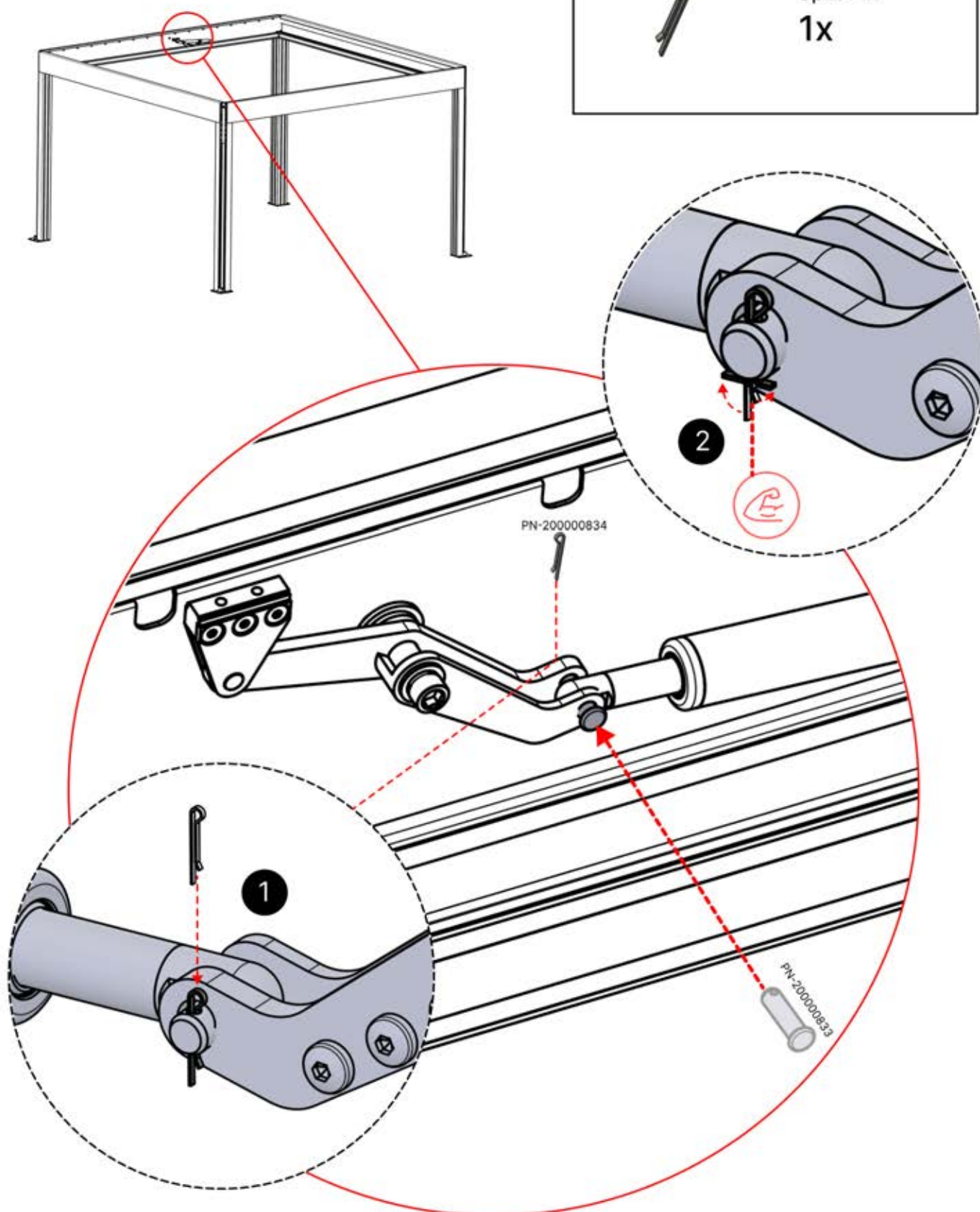
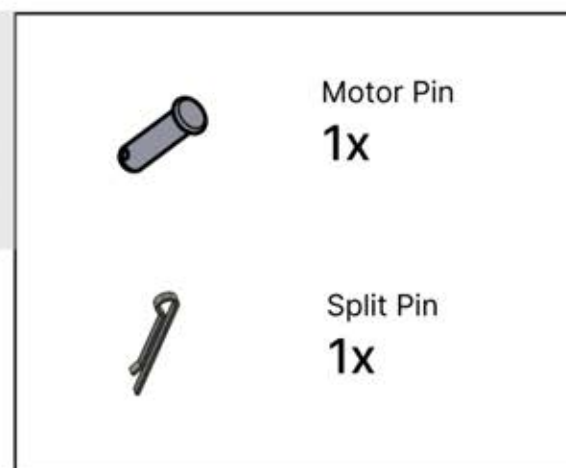
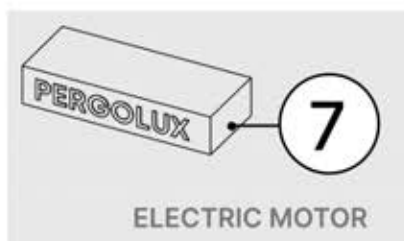
 ANTHRACITE: B285 WHITE: B289 BLACK: B293	 PN-200002326 1x  PN-200002328 2x  PN-200002327 1x  PN-200002333 1x  PN-200002355 1x PN-20000 3751 
 PN-200003500 1x  PN-200002330 1x  PN-200002324 1x	



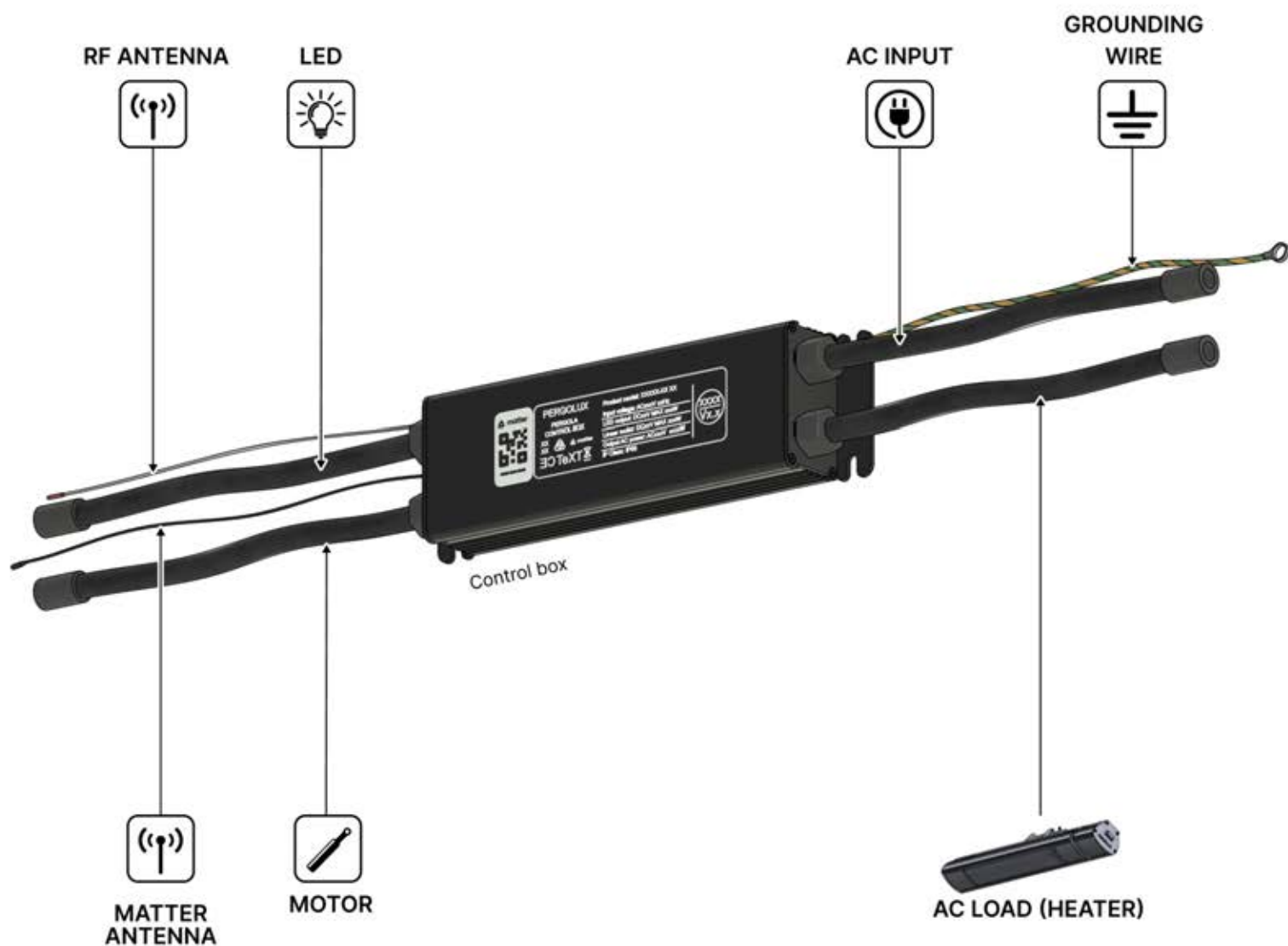
22



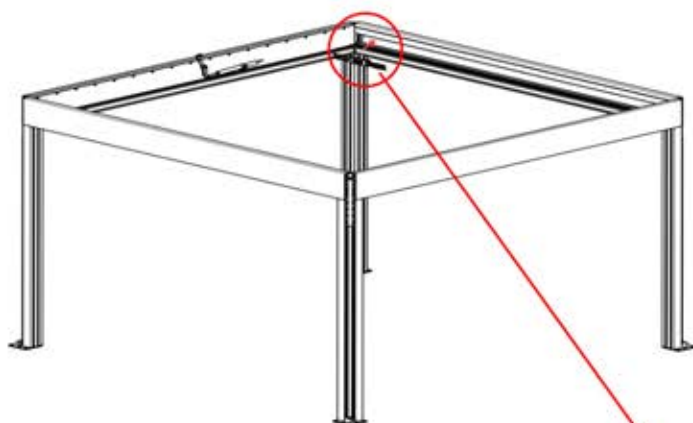
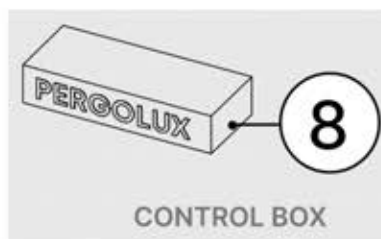
23



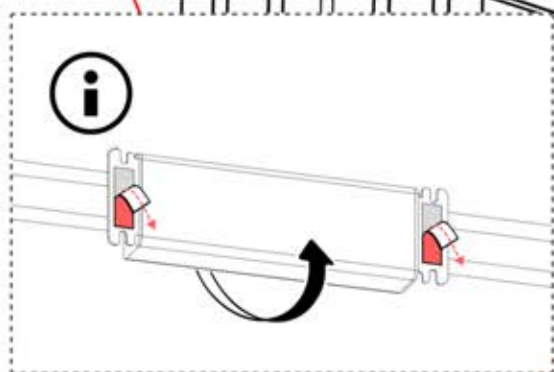
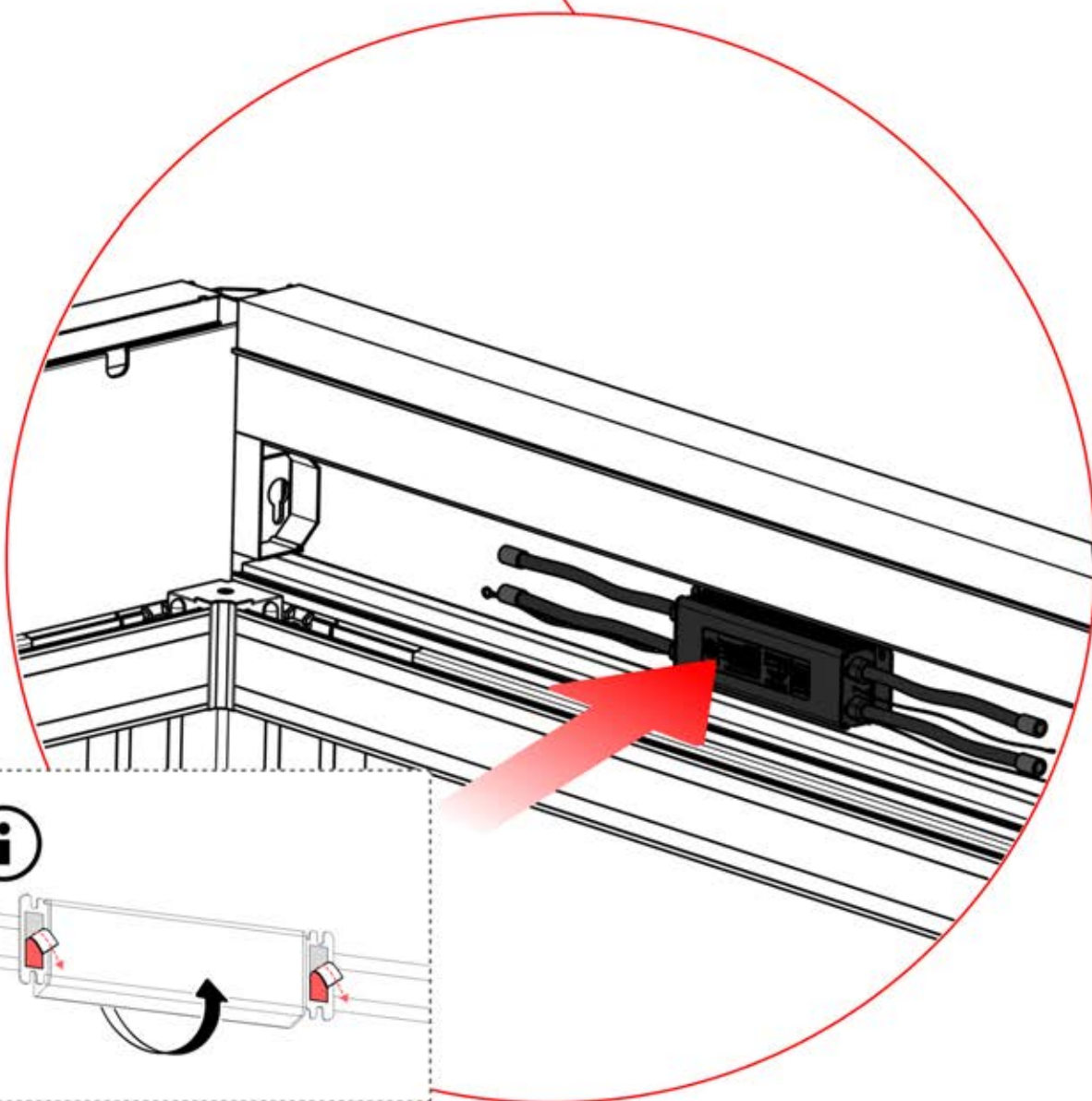
INPUTS AND OUTPUTS



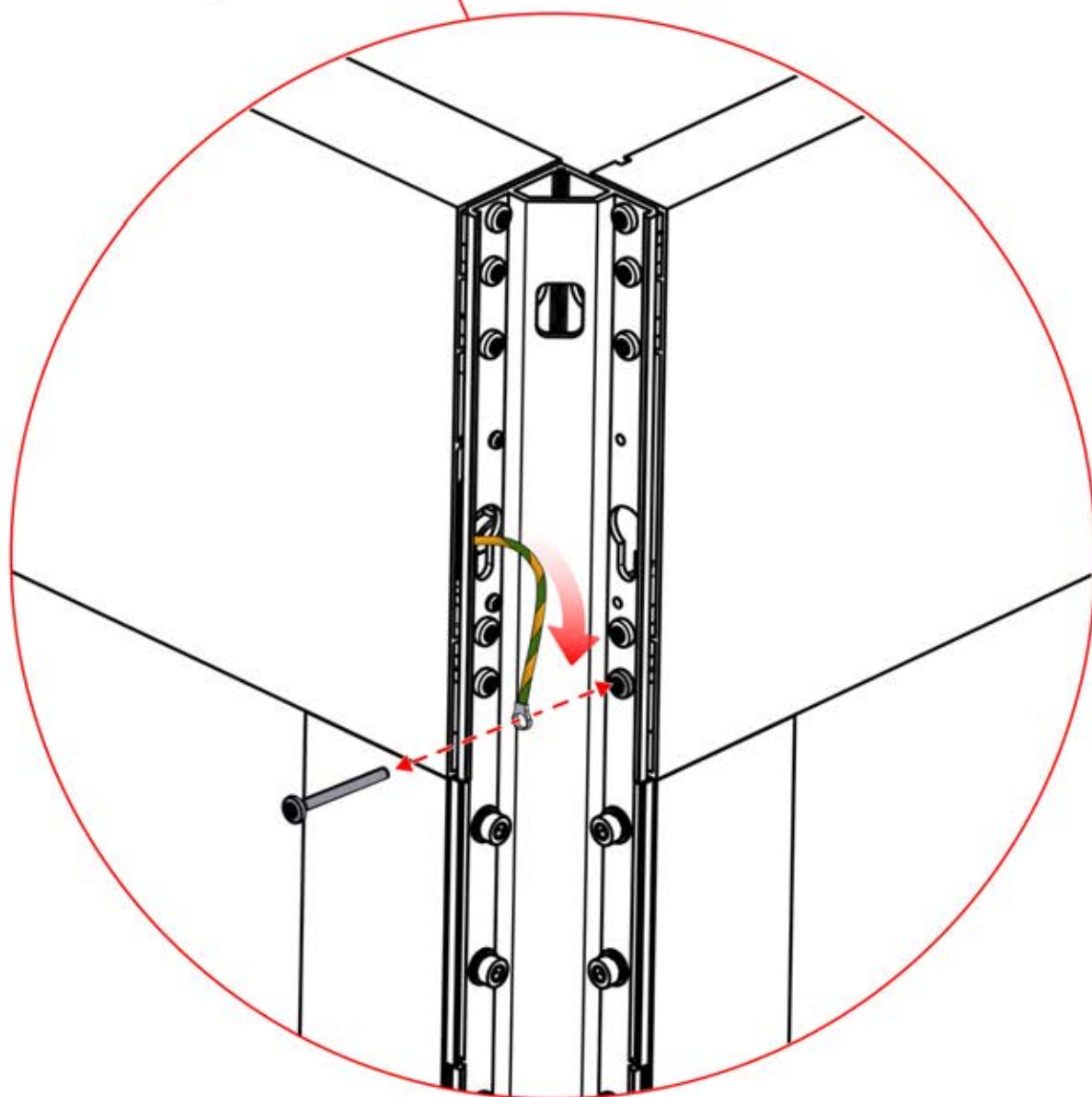
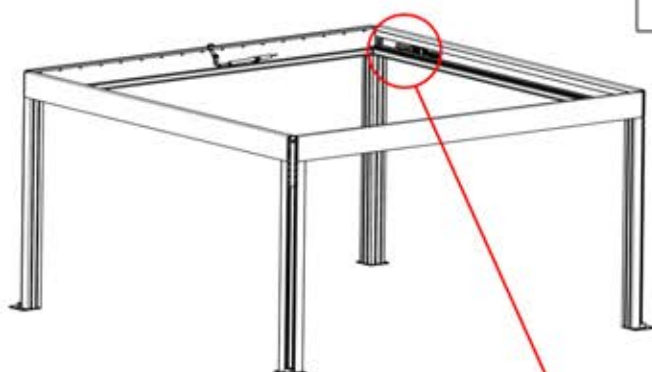
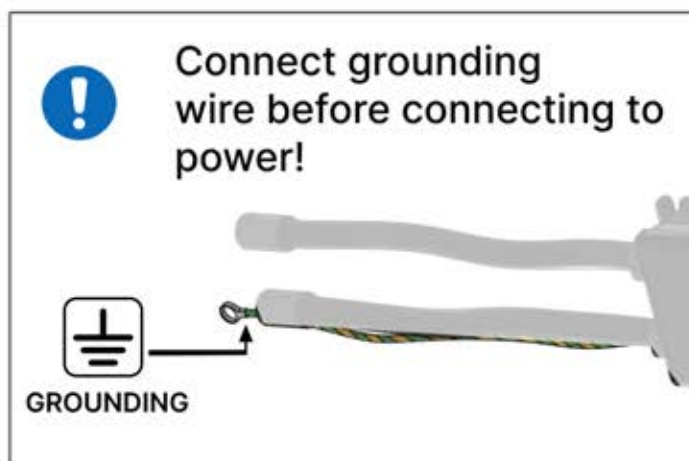
24



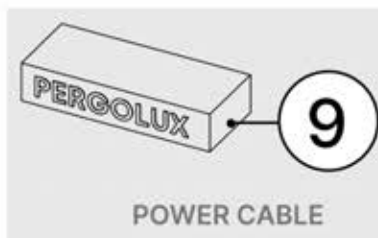
! Control Box can be installed on Preferred W BEAM



25



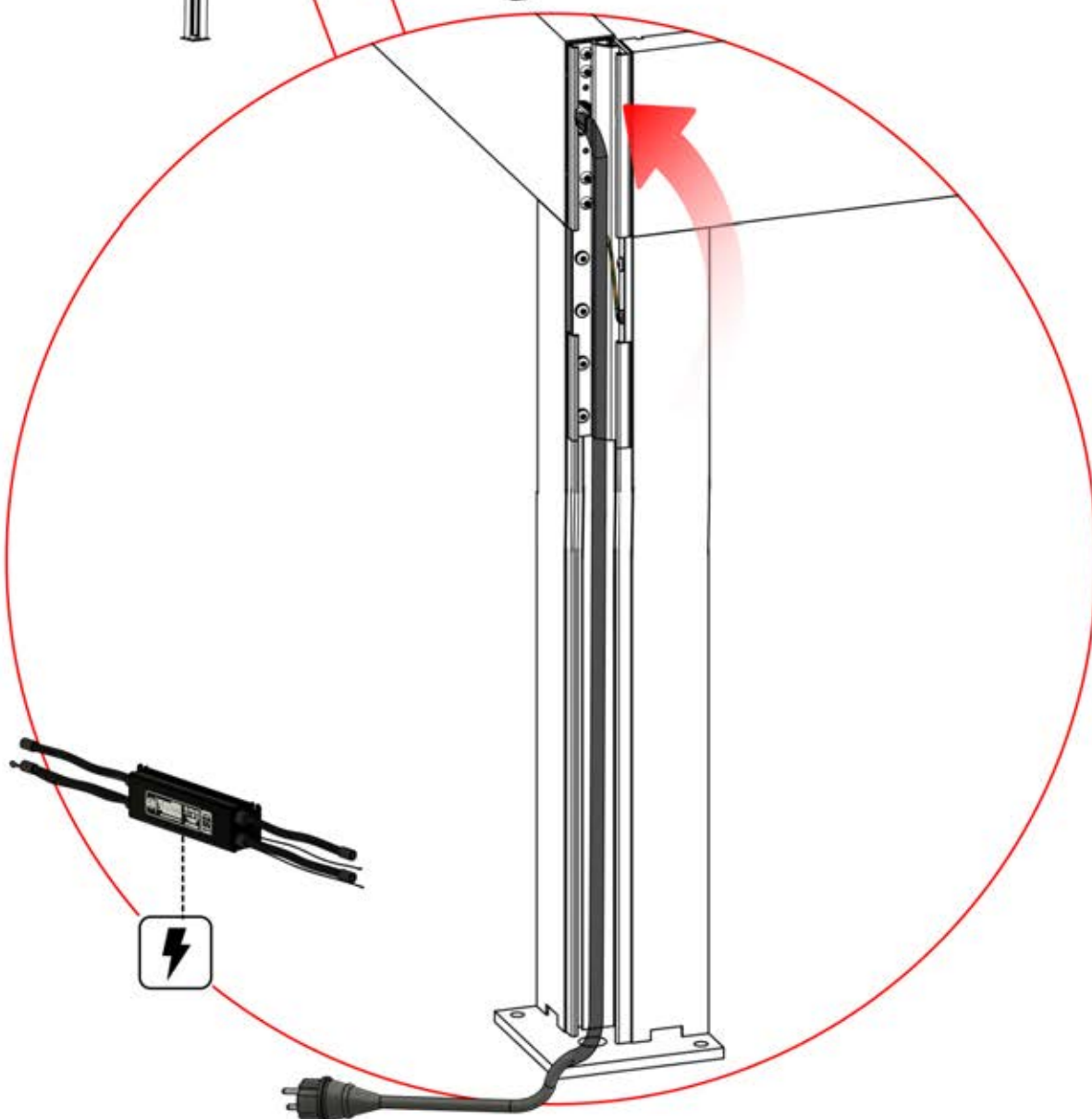
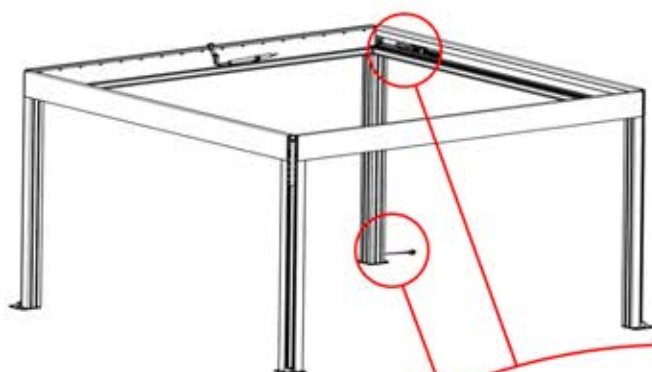
26



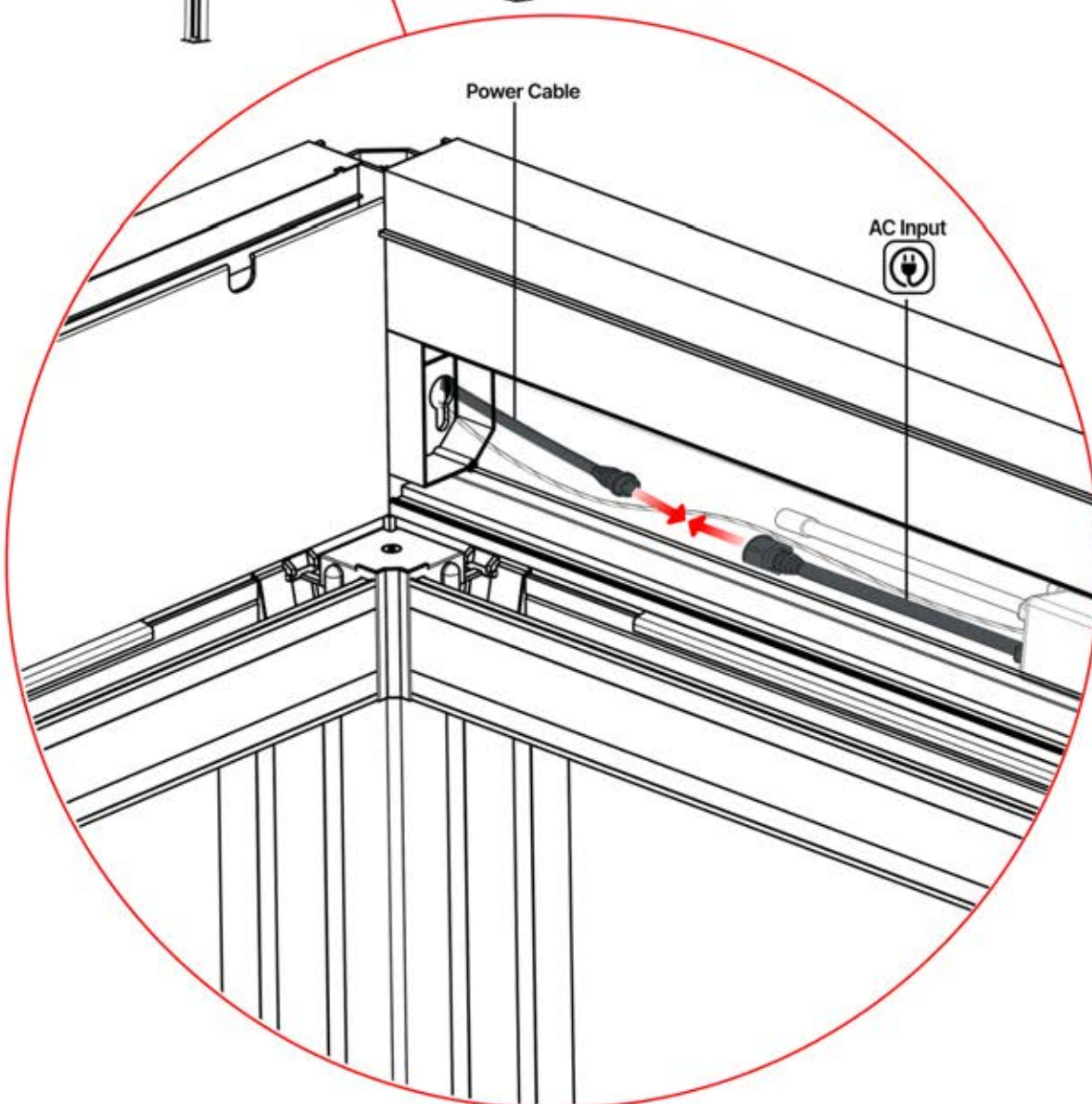
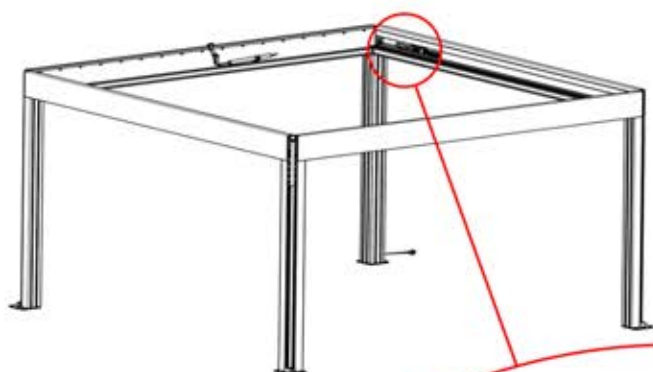
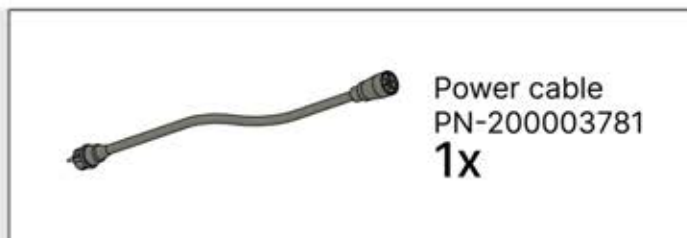
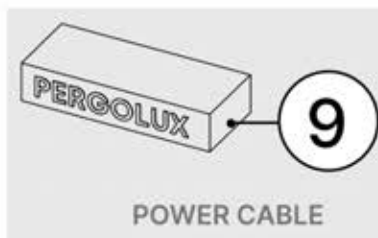
Power cable
PN-200003781
1x



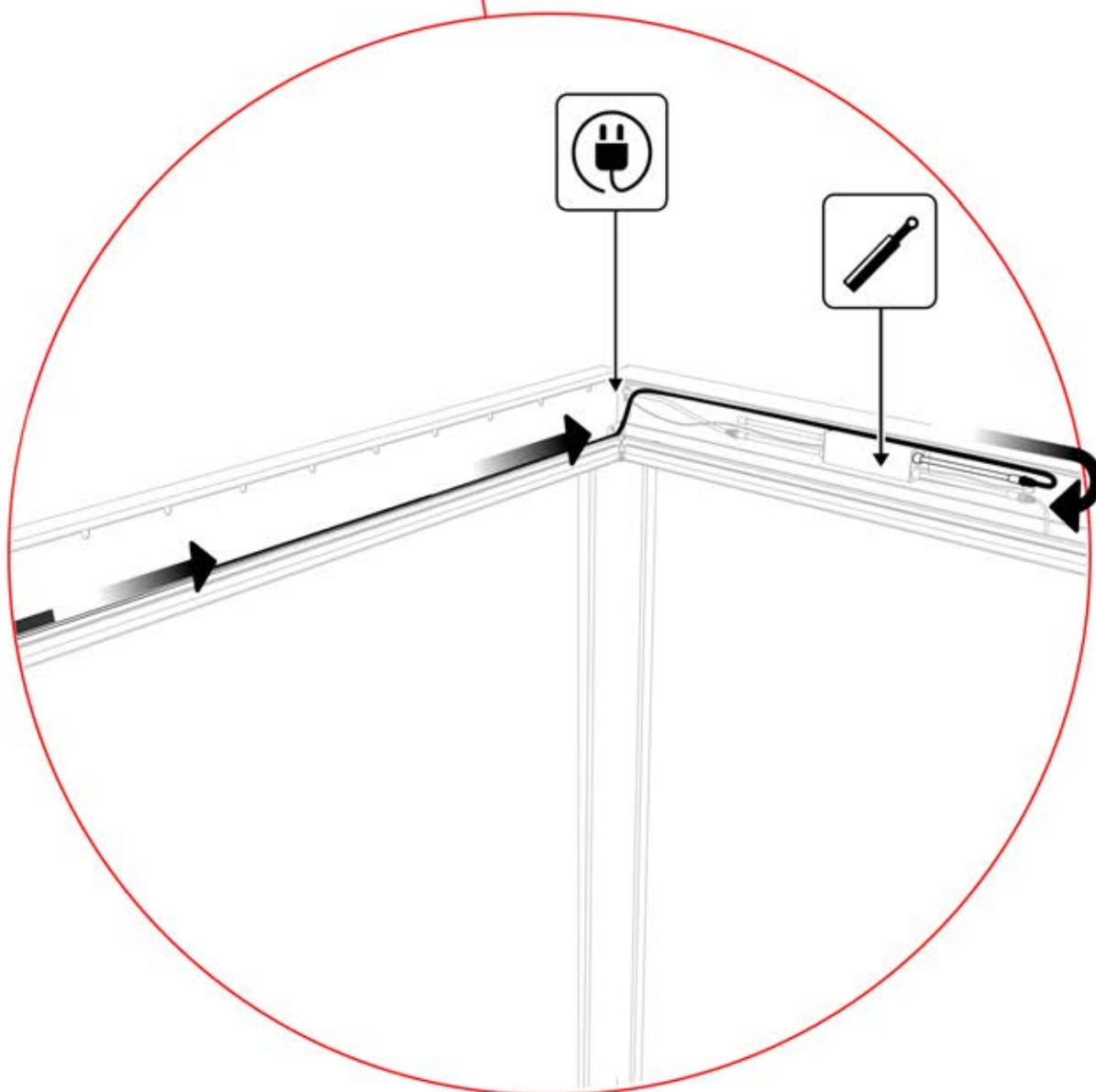
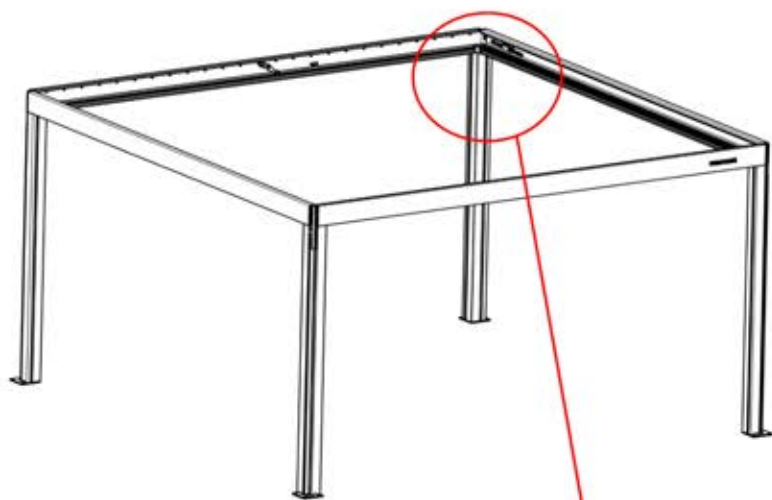
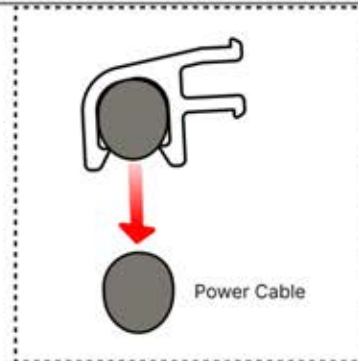
Power Cable can be
routed through all
the Poles.



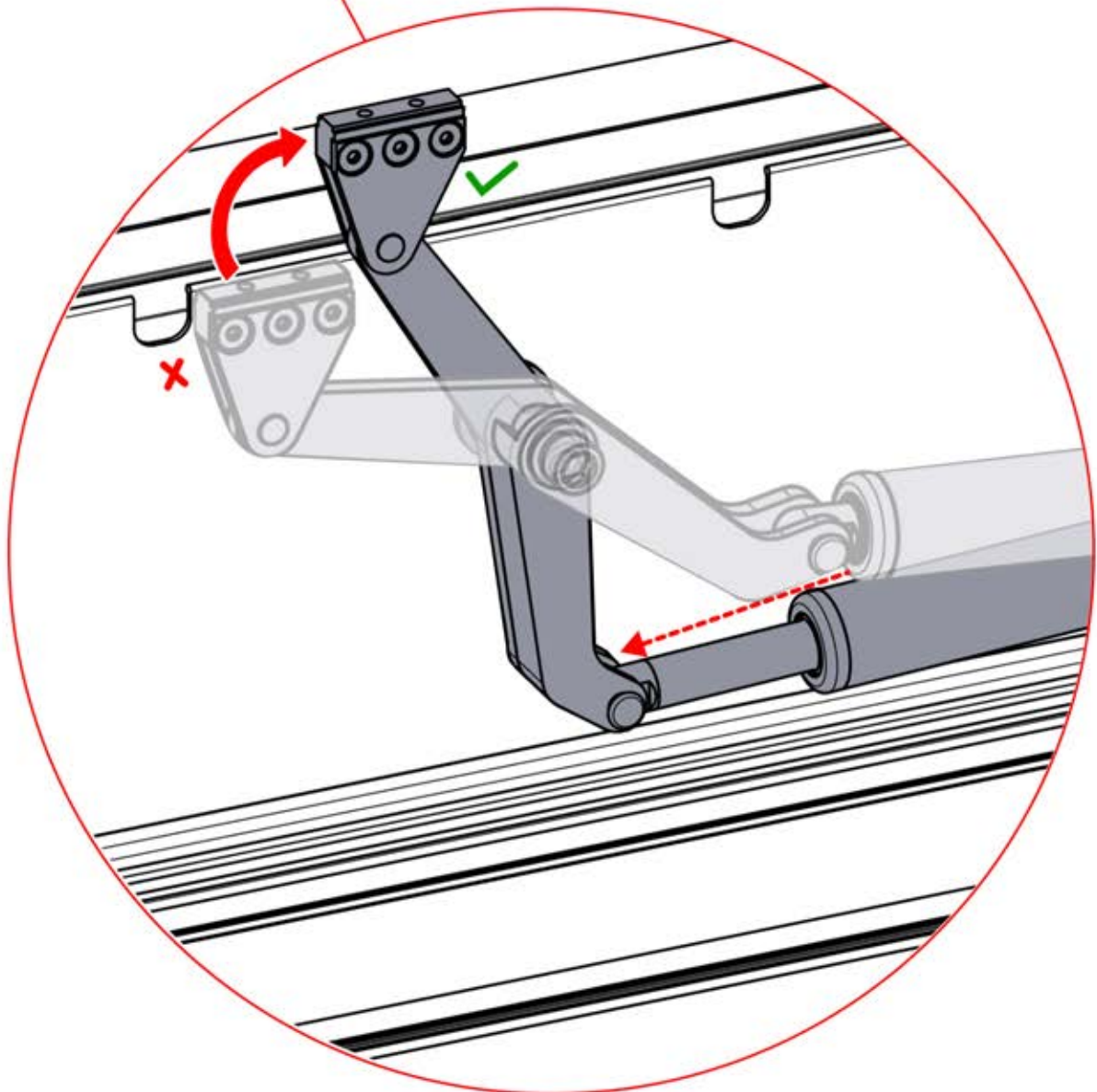
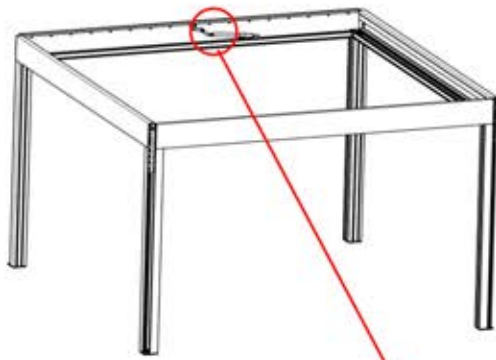
27



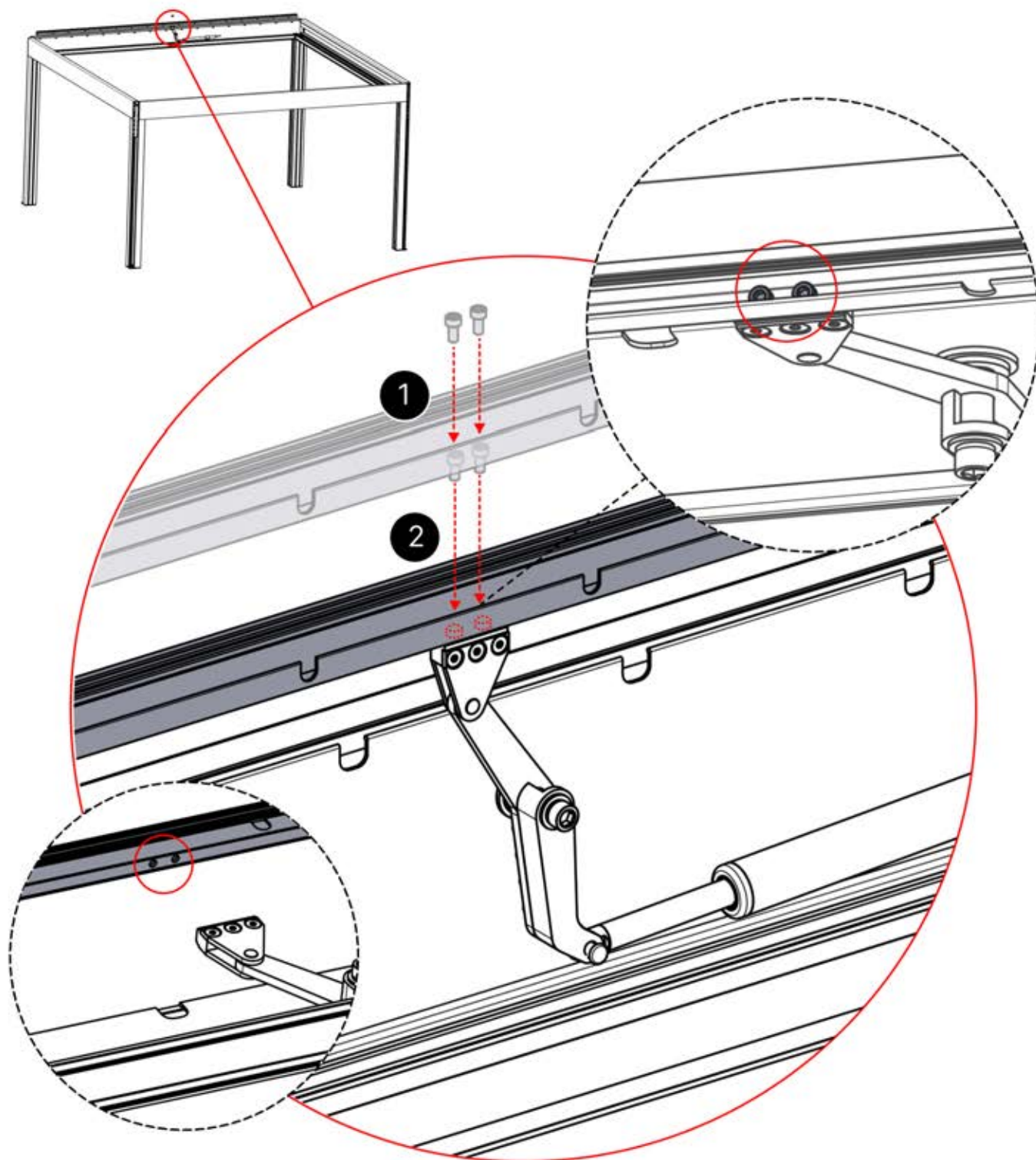
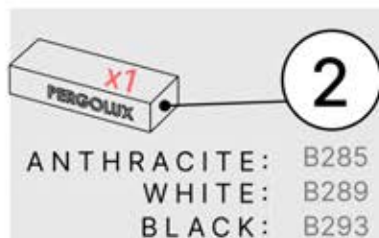
28



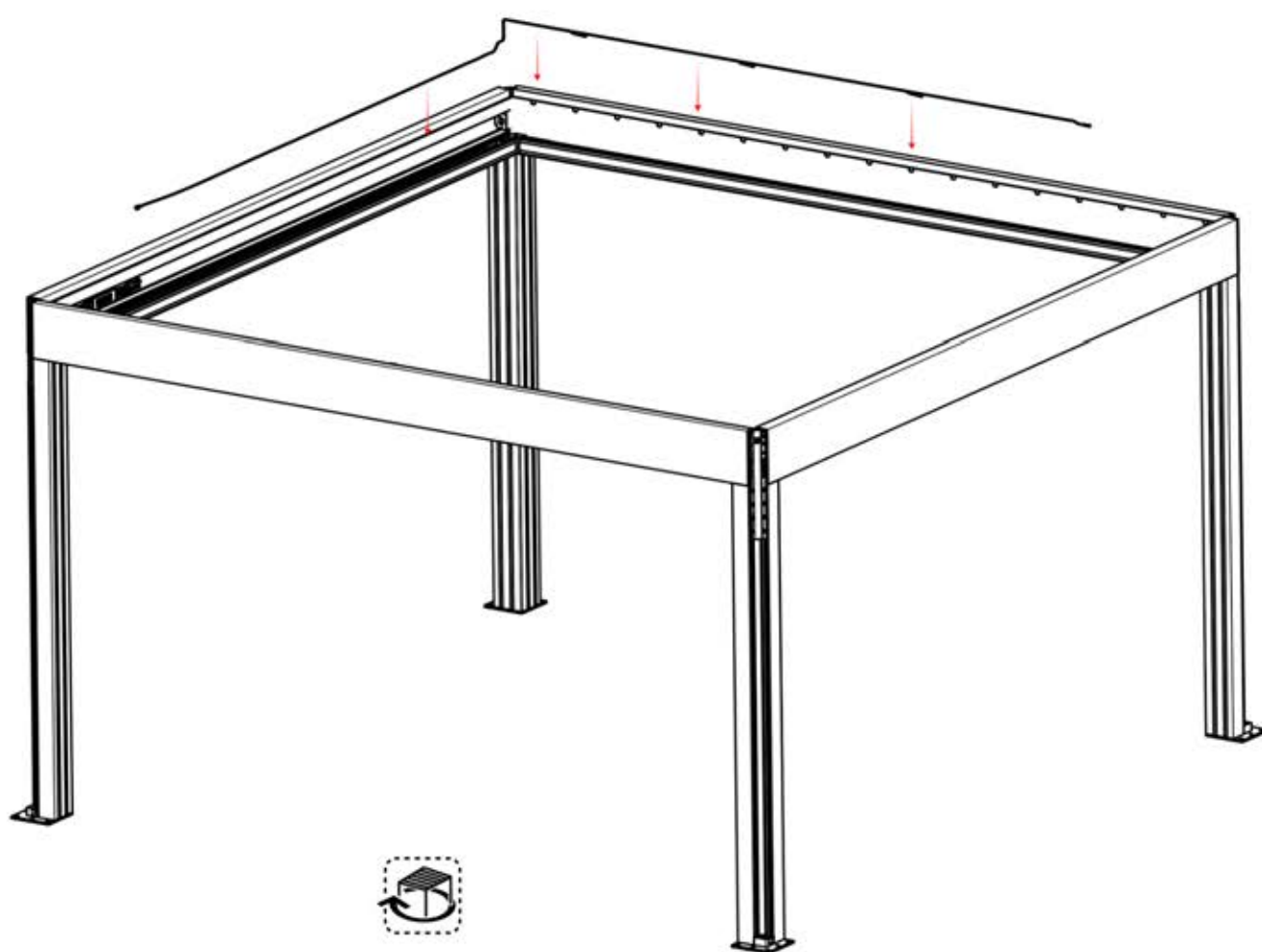
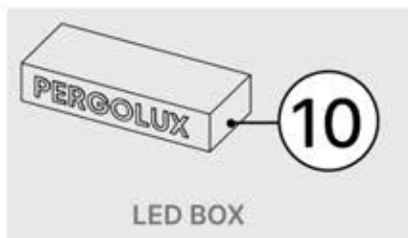
29



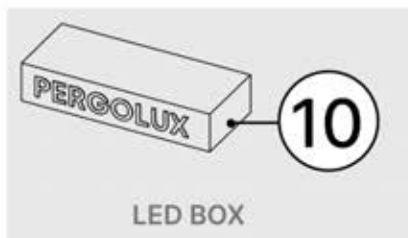
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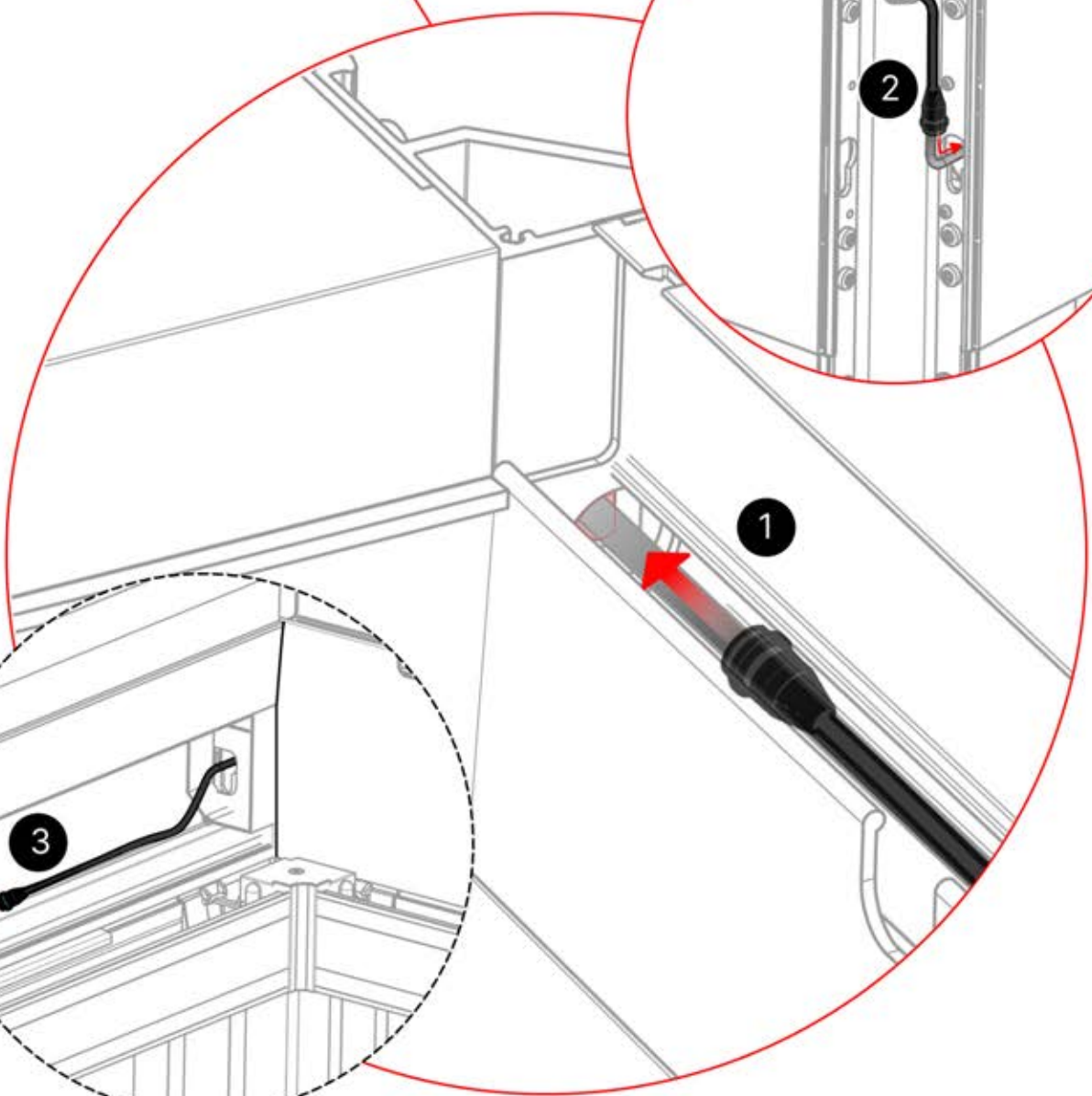
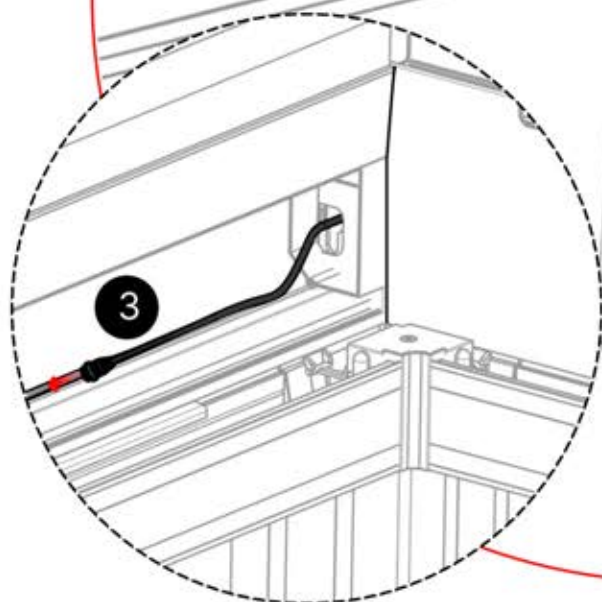
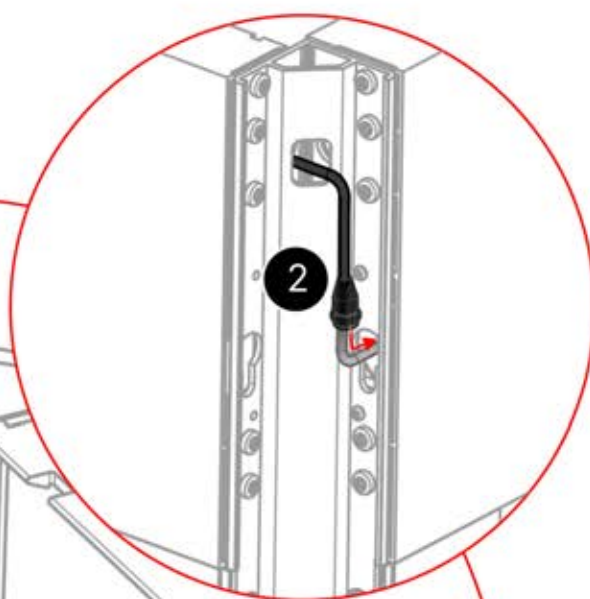
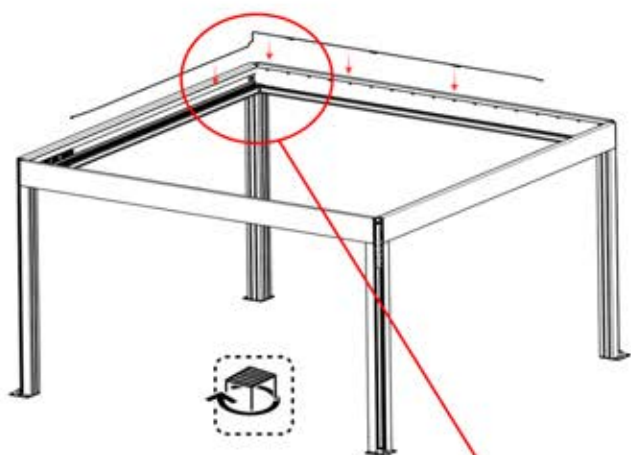
31



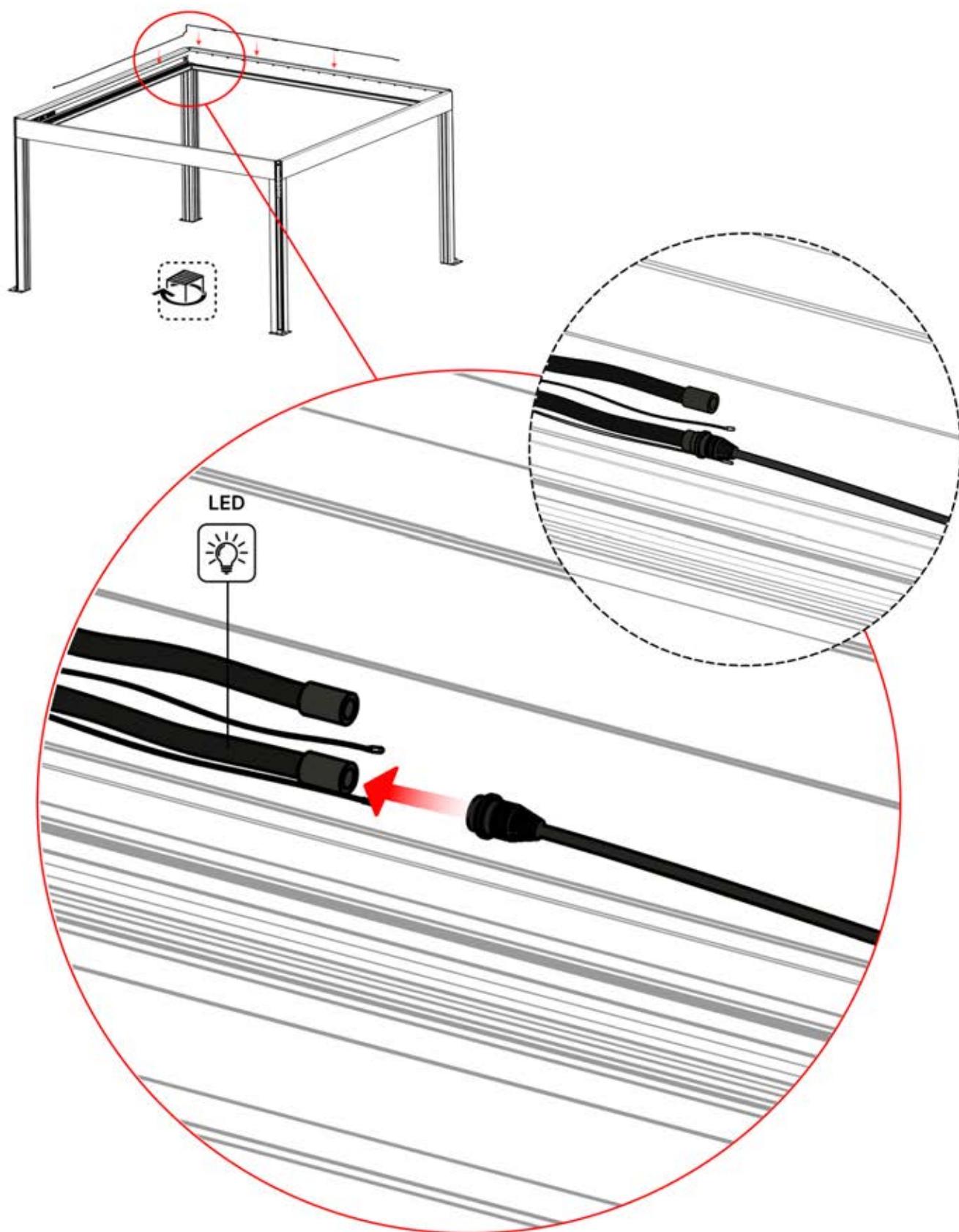
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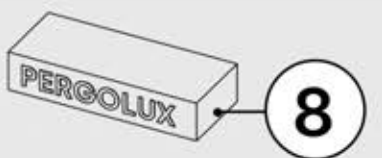
6 LED HARNESS



33



34



CONTROL BOX

⚠

Keep the Matter Antenna wire free and do not tie them with LED and Motor wire

S4

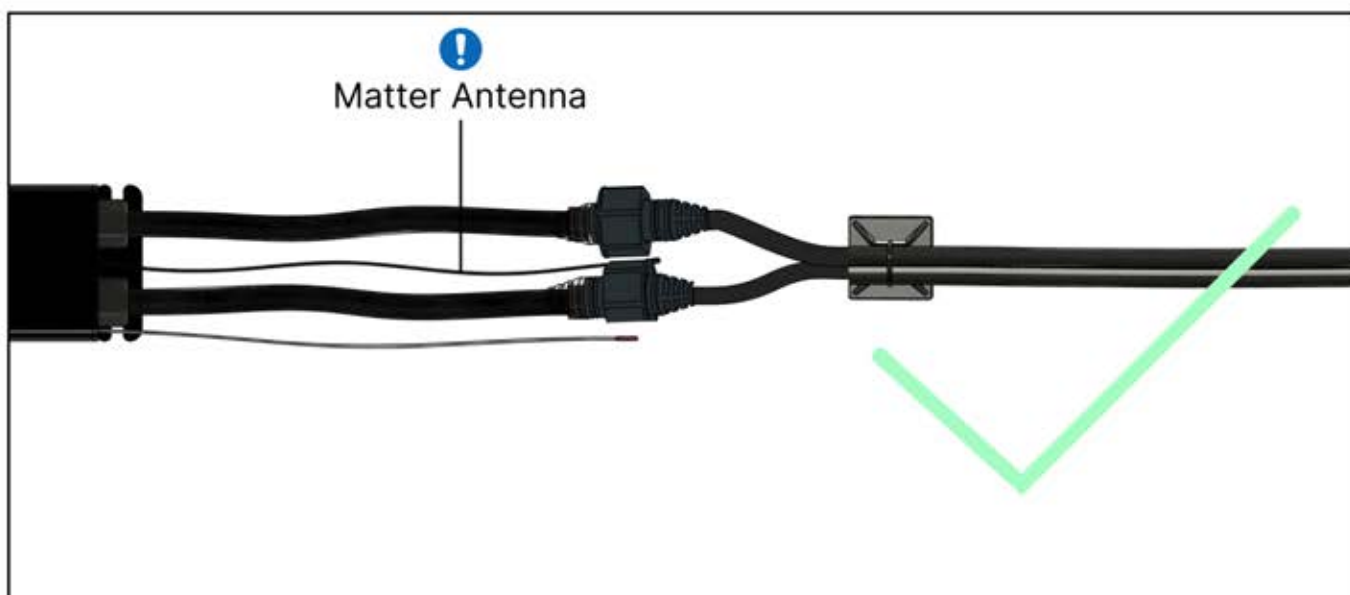
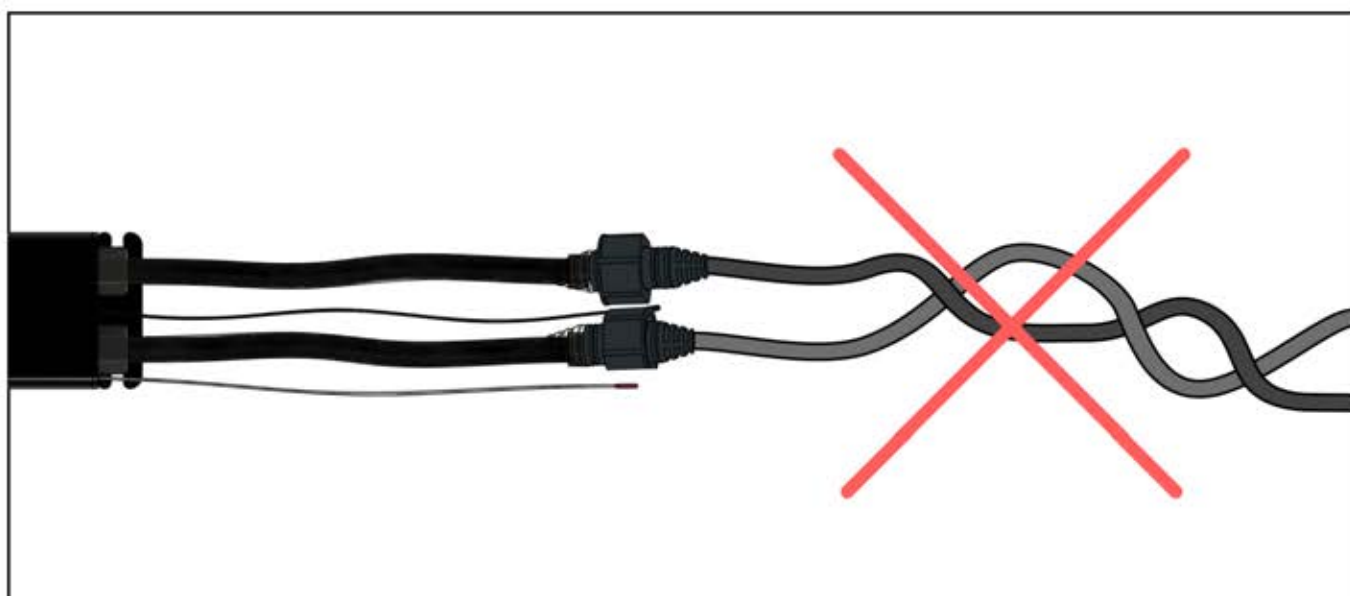


PN-200002683

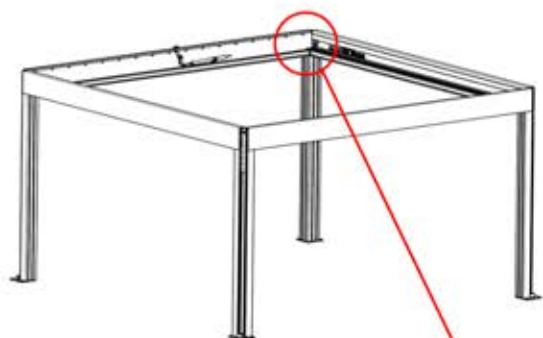
5x

PN-200002684

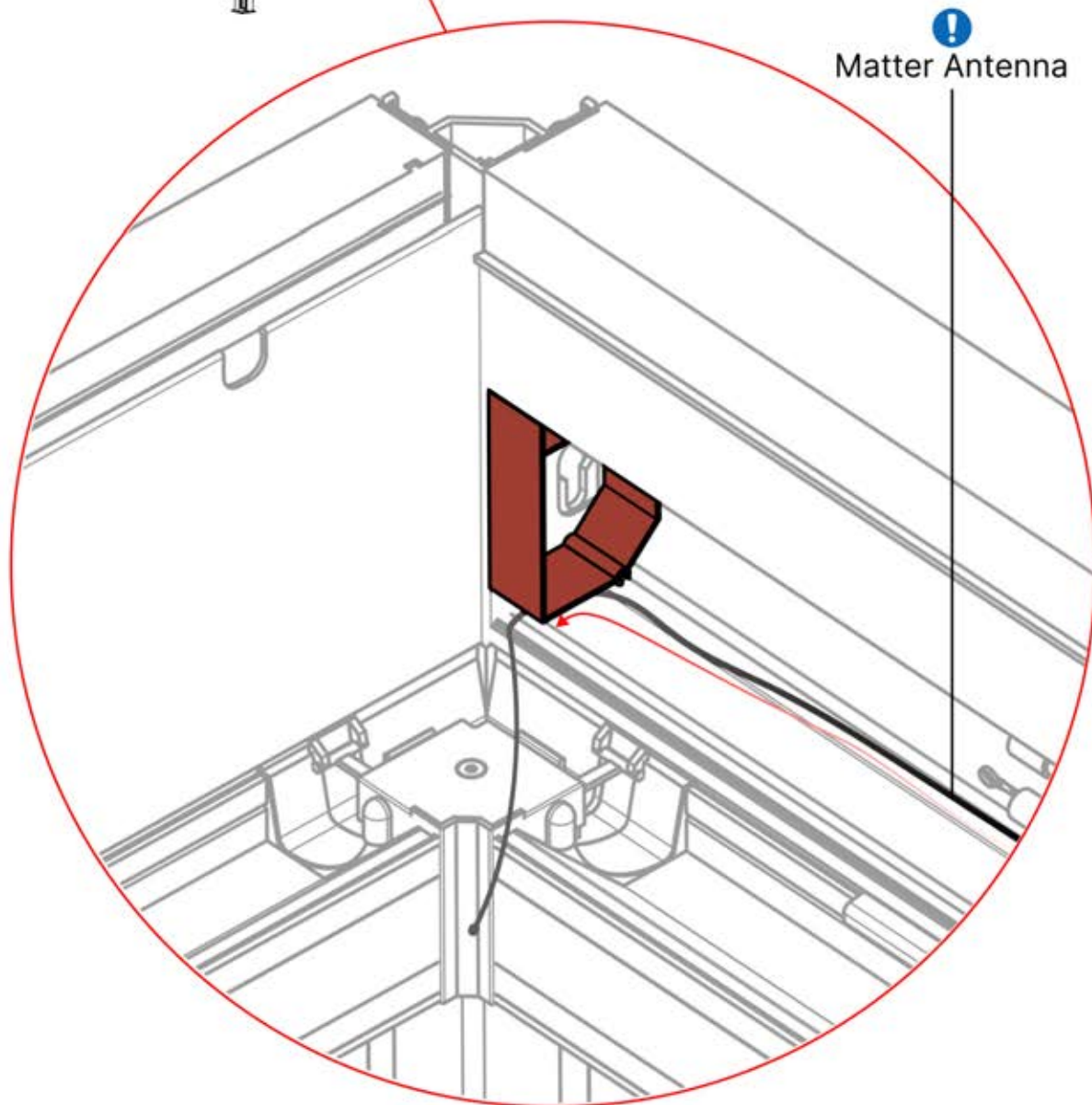
10x



35

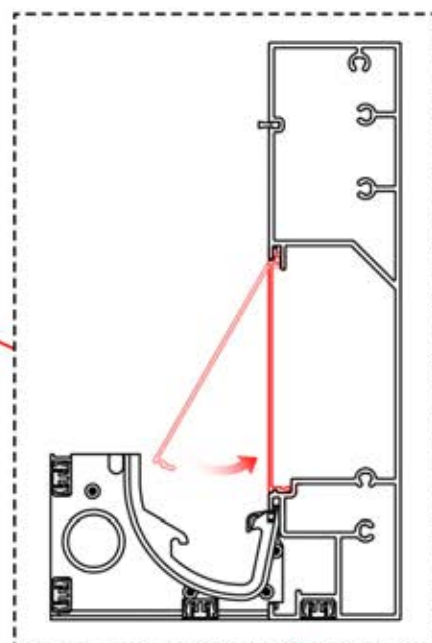
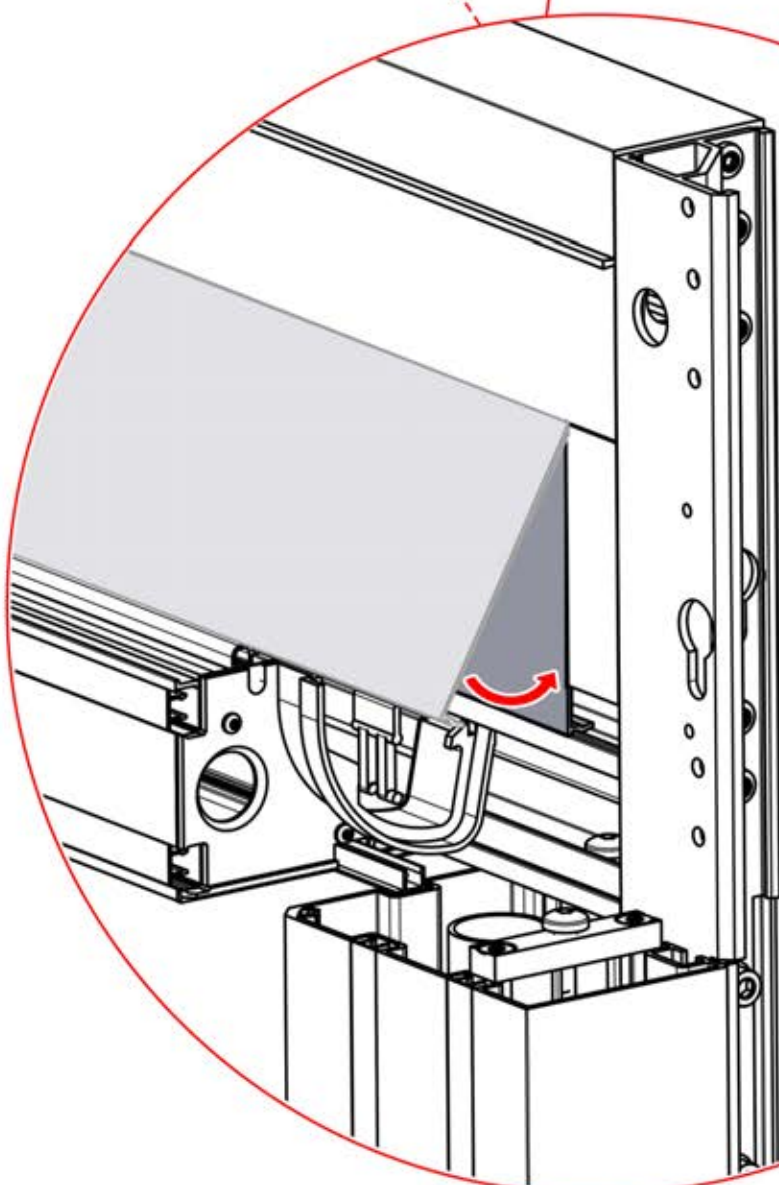
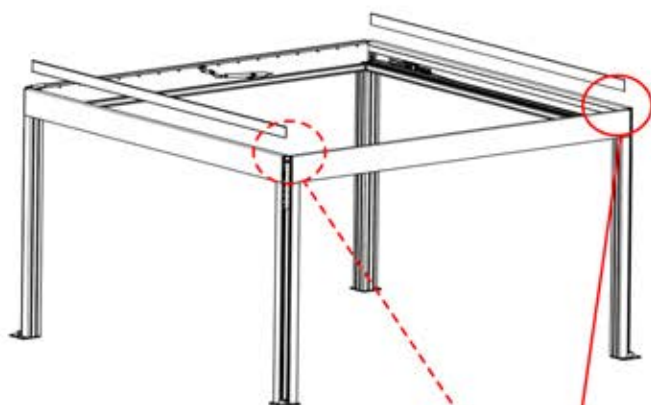
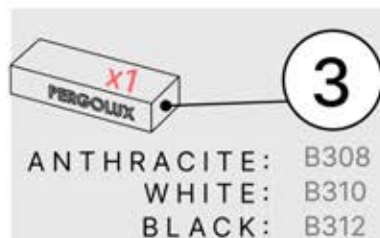


Route the Matter Antenna and place it below the highlighted part(PN-200002329).



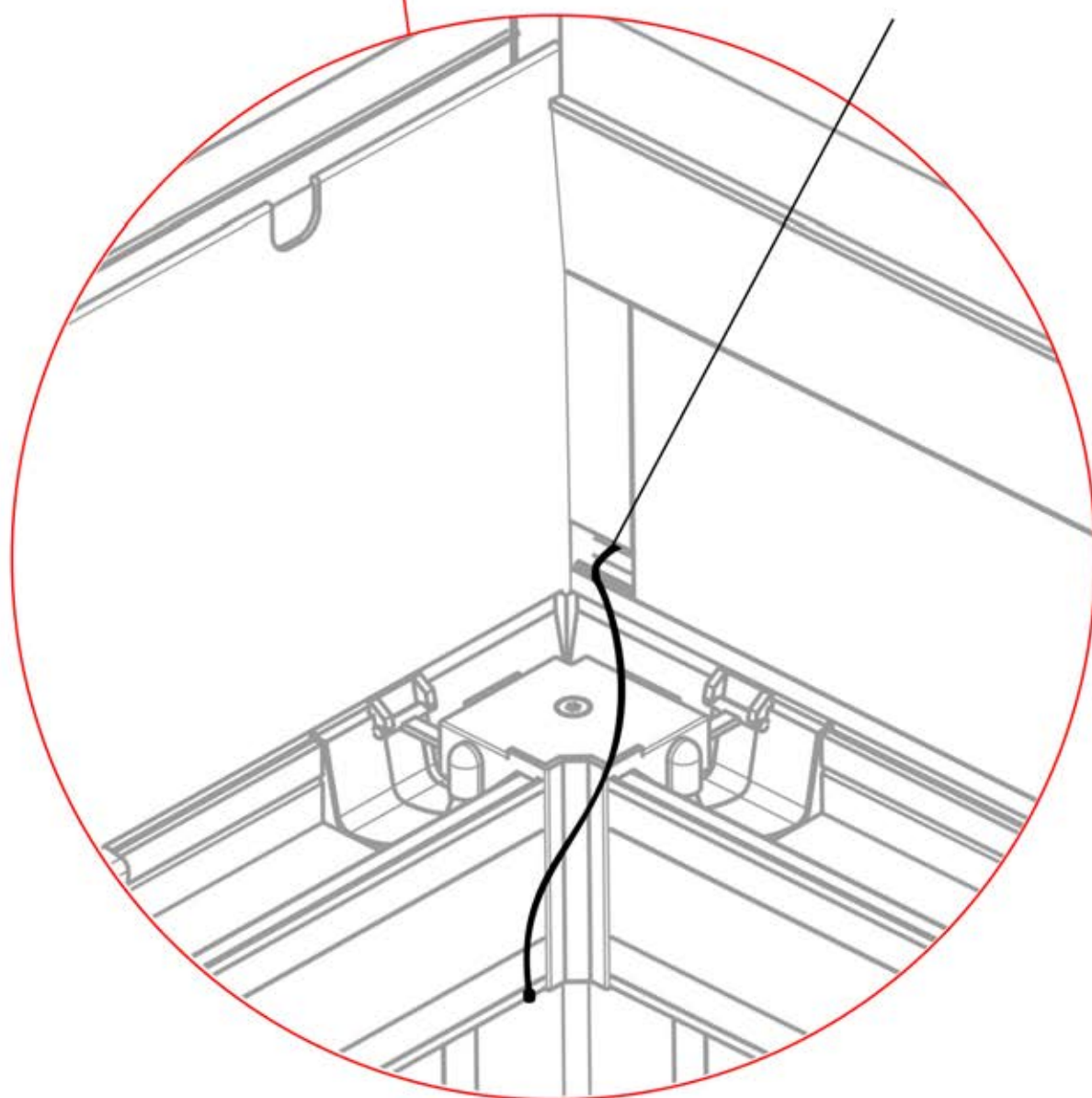
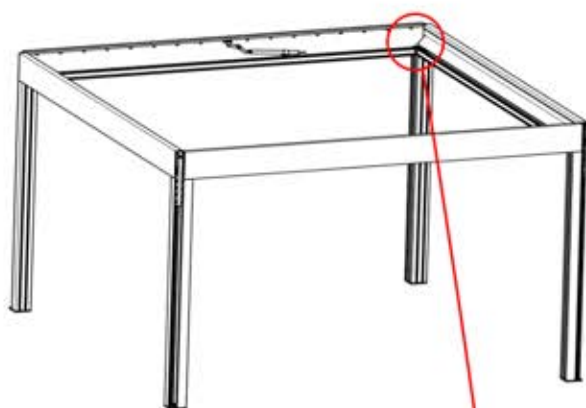
Matter Antenna

36



S4 PERGOLUX | PERGOLA PRO MAX FREESTANDING

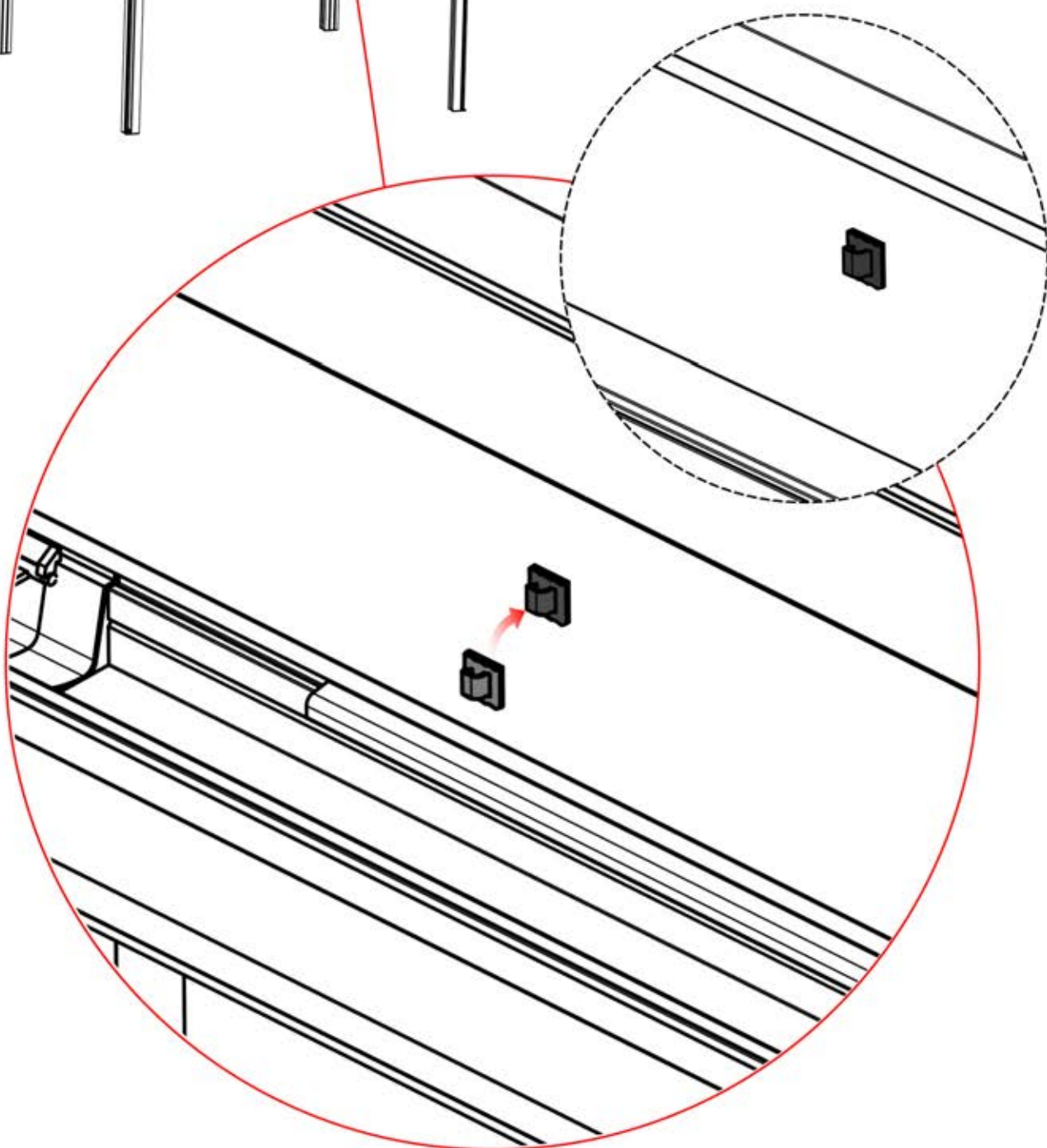
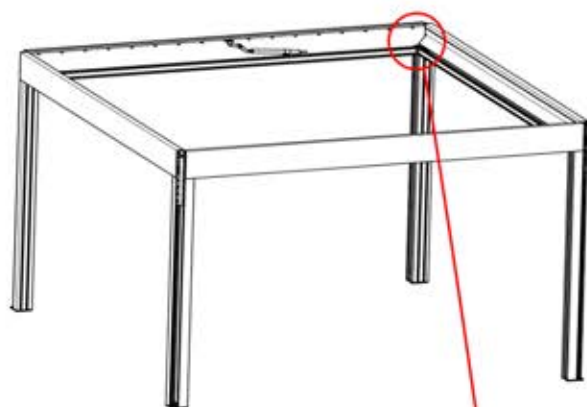
INFORMATION

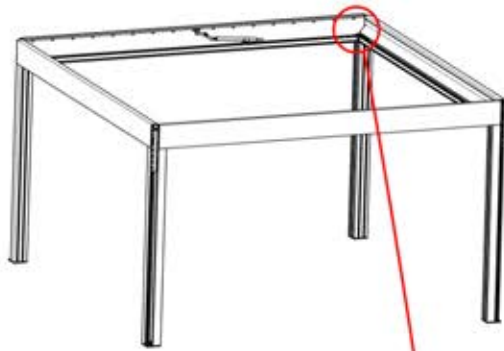


37

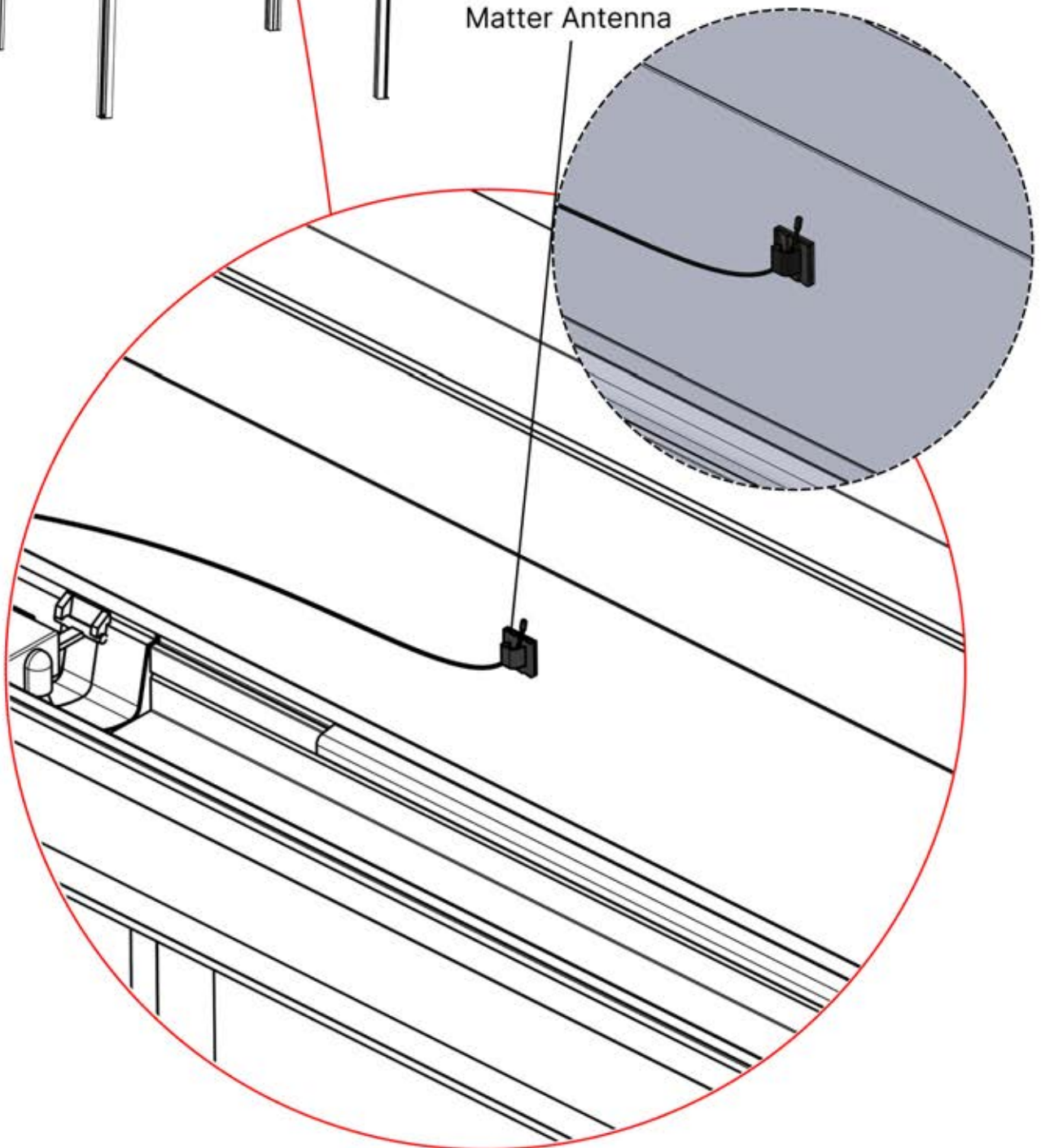


Matter Antenna
1x





Matter Antenna





PERGOLUX PRO MAX 4x5

PN-200002366



14x



Standard = **(S)**



PN-200002364



6x



LED =



PN-200002362



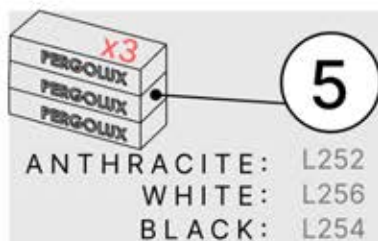
1x



End = **(E)**

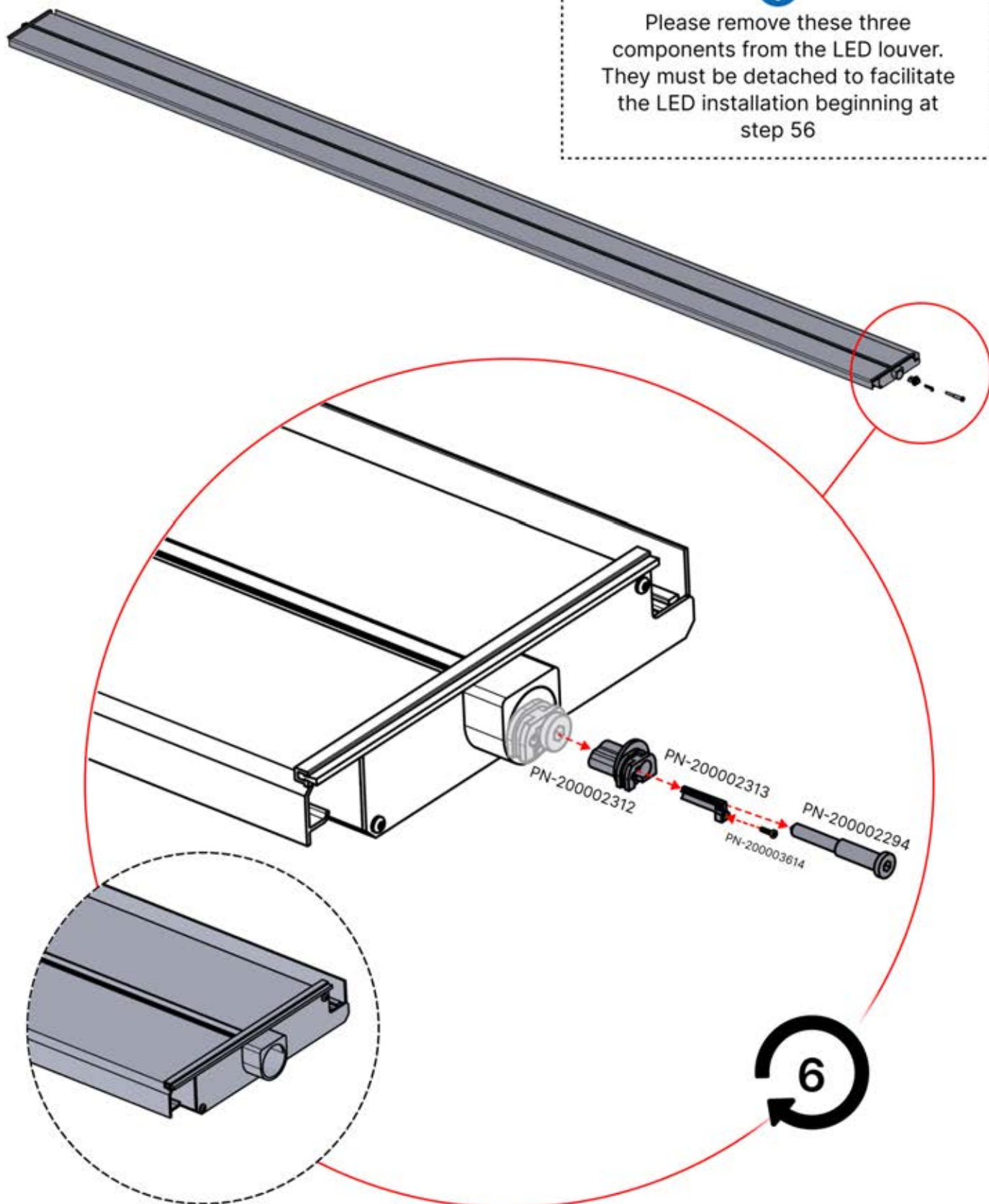


39

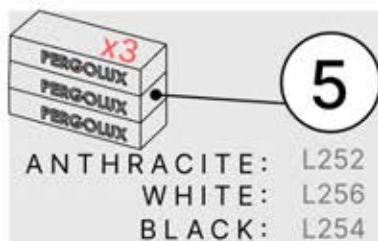


!

Please remove these three components from the LED louver. They must be detached to facilitate the LED installation beginning at step 56

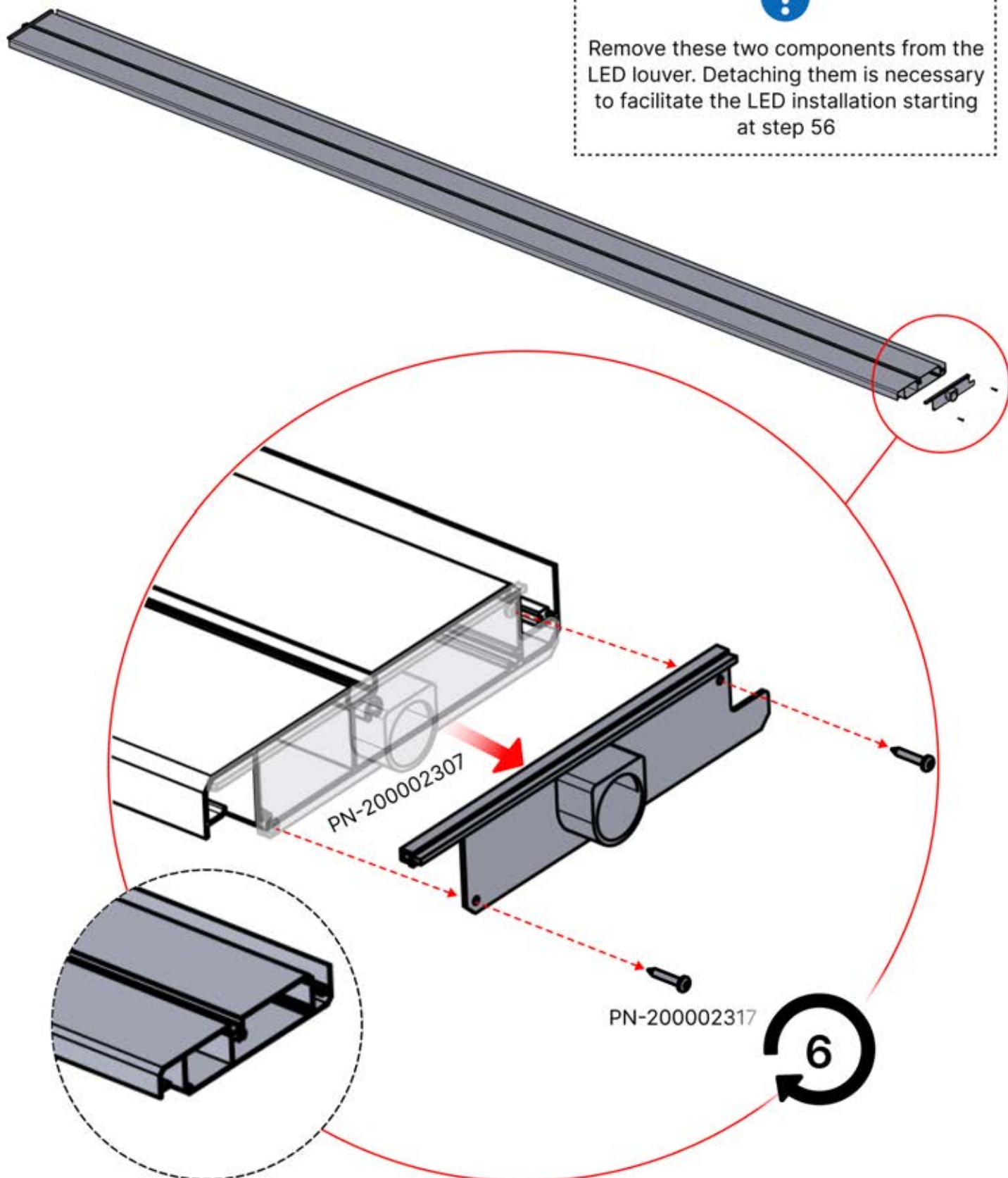


40

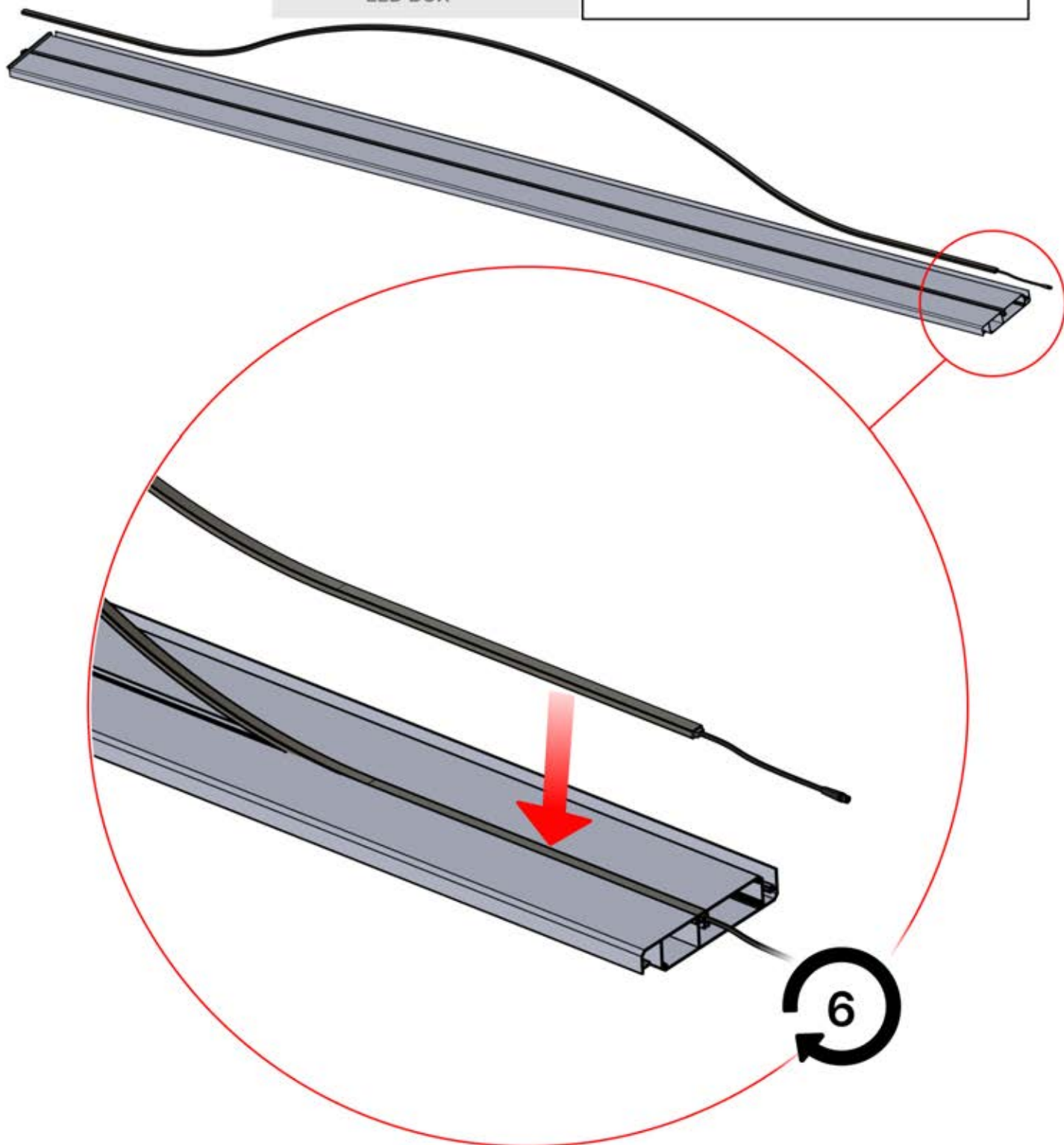
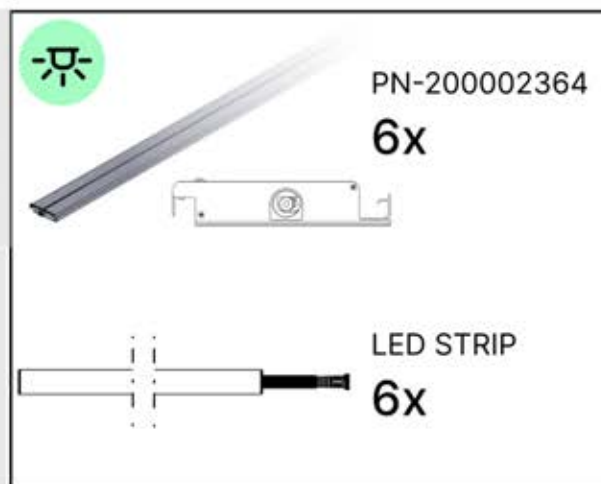
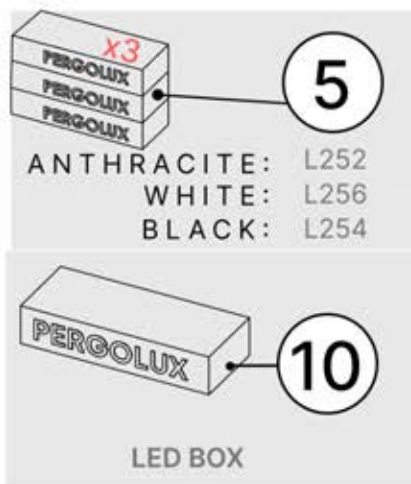


!

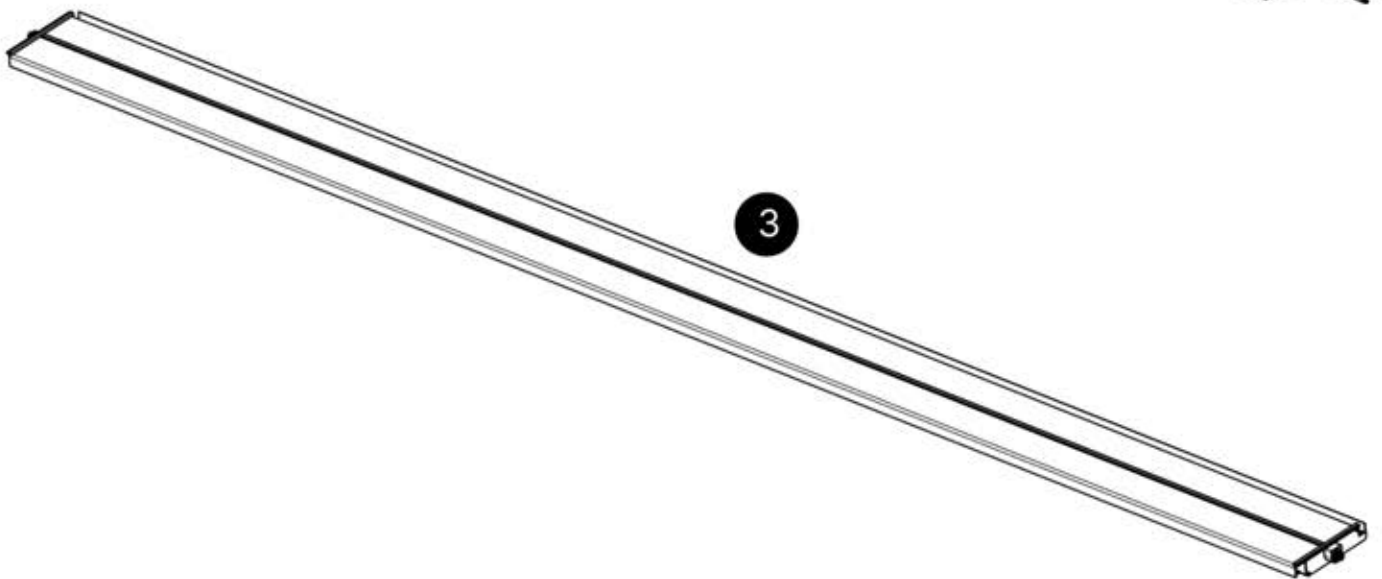
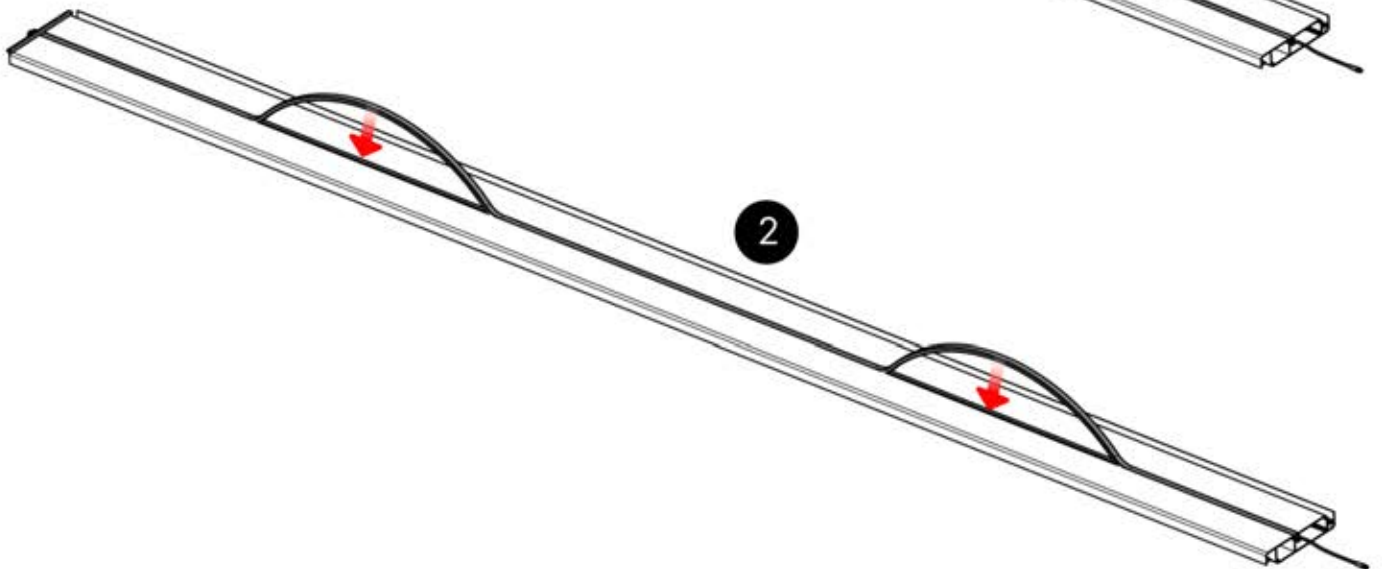
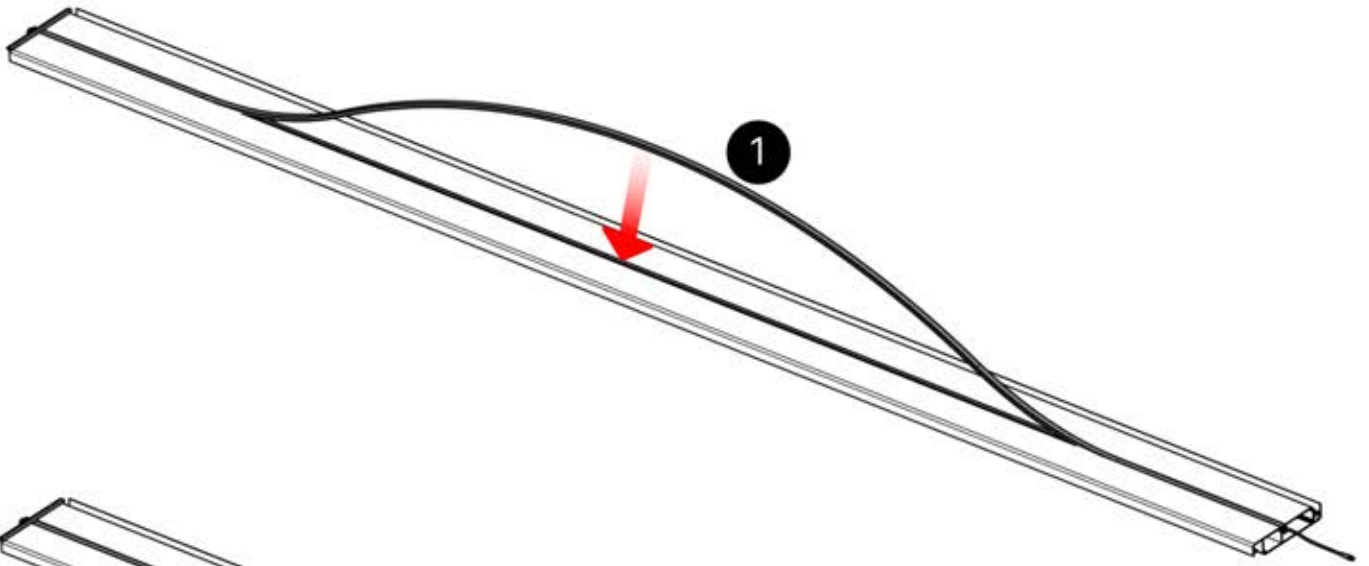
Remove these two components from the LED louver. Detaching them is necessary to facilitate the LED installation starting at step 56



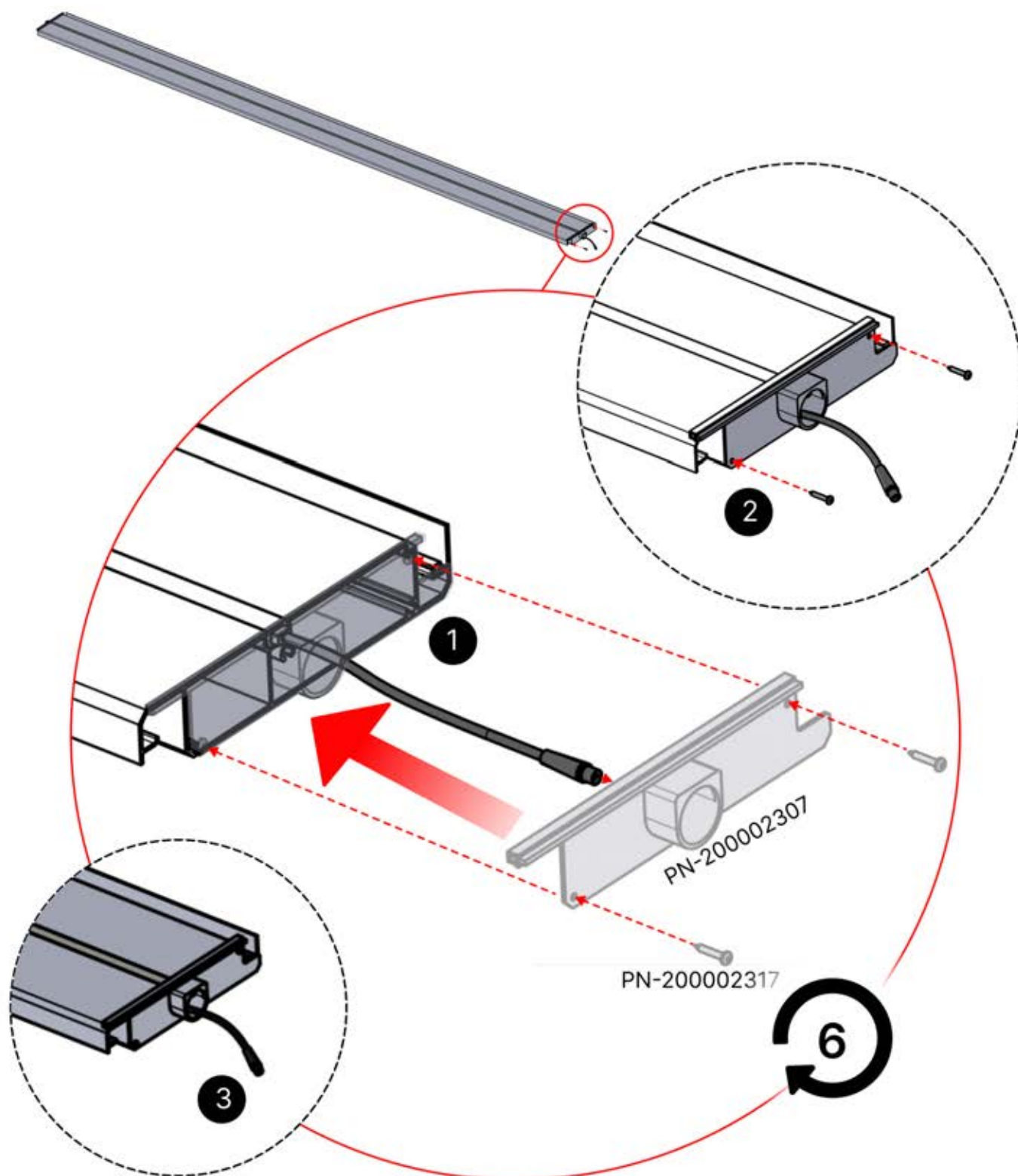
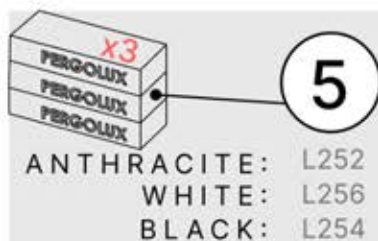
41



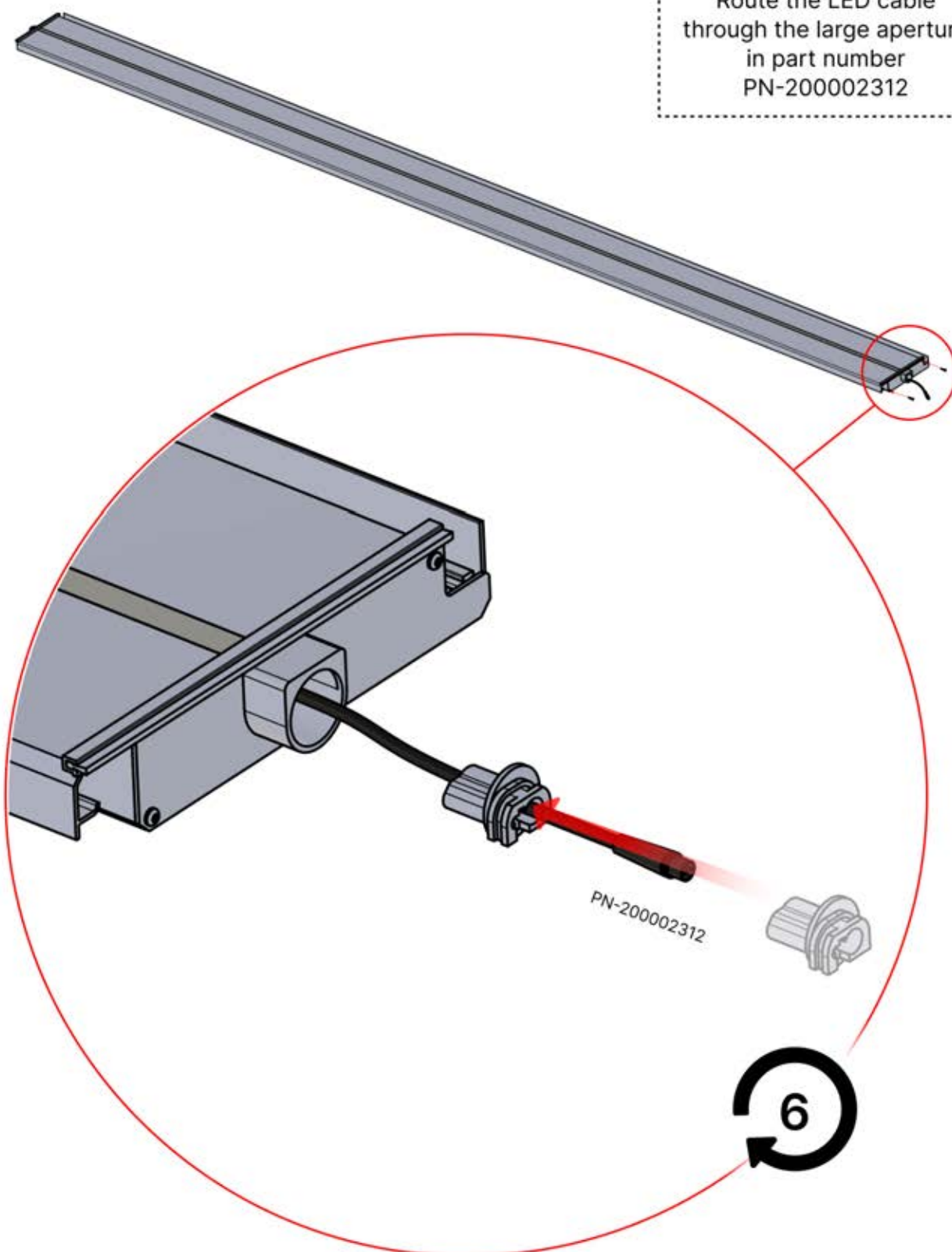
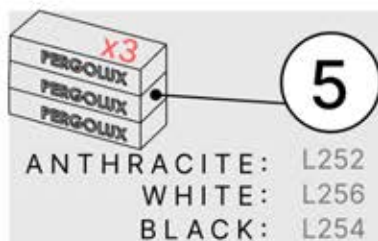
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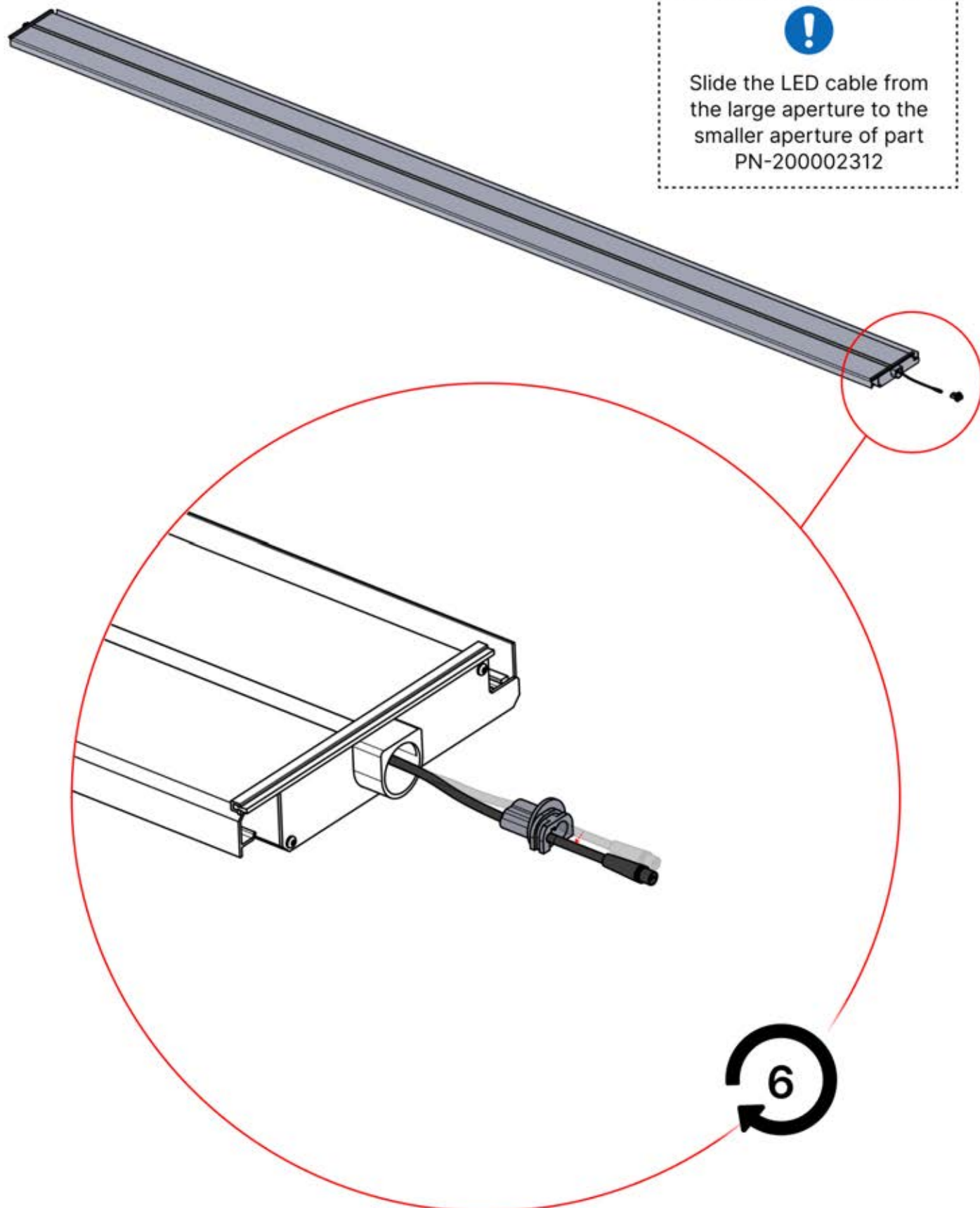
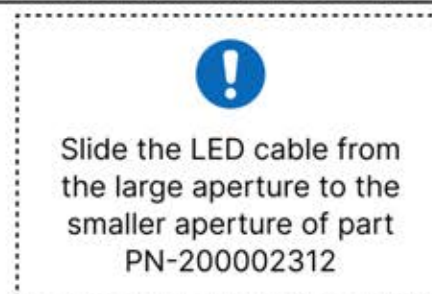
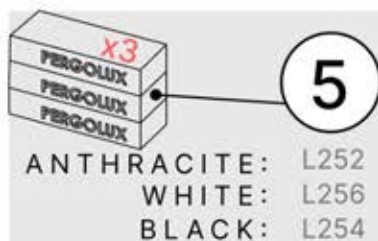
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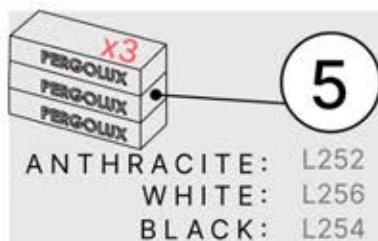
44



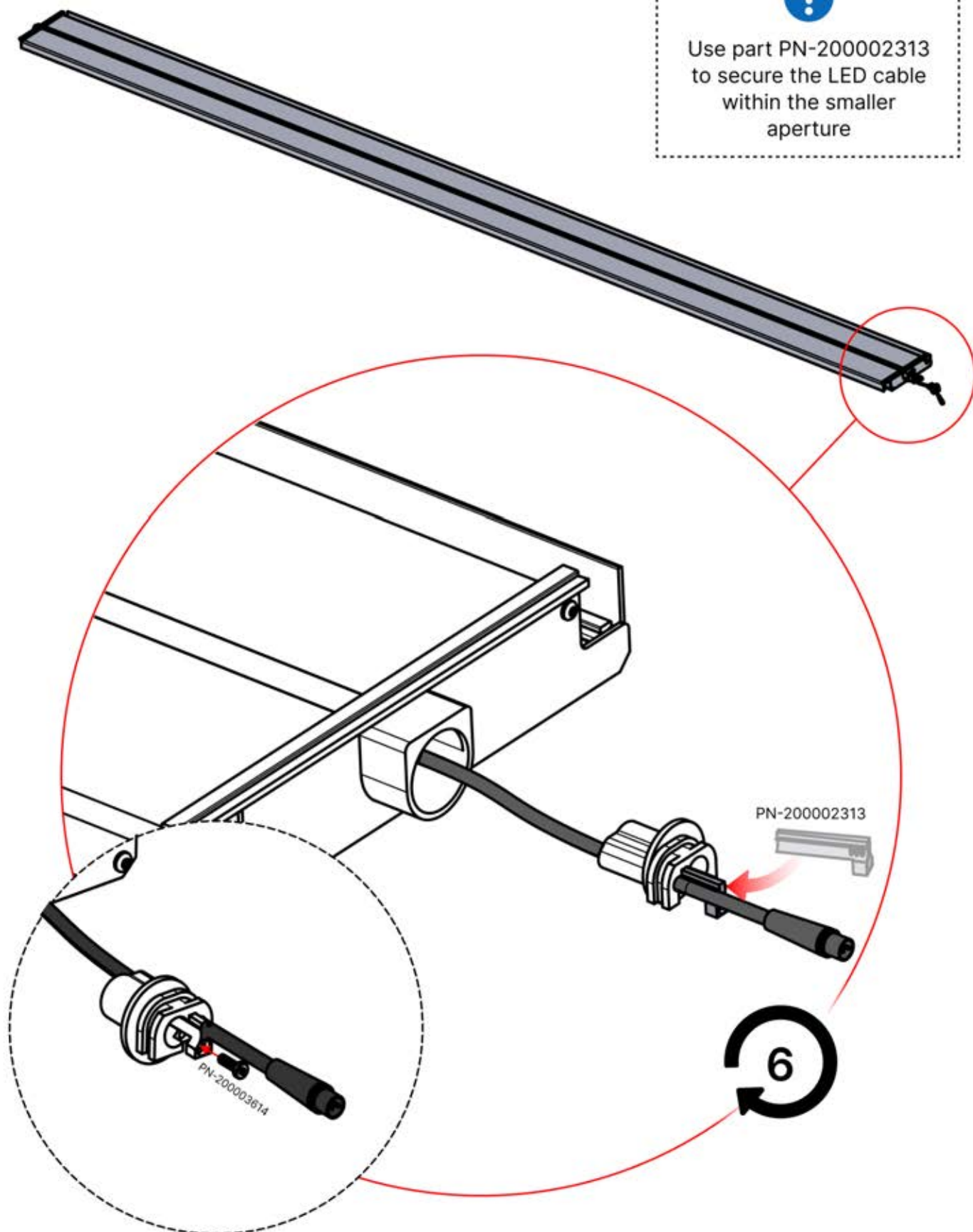
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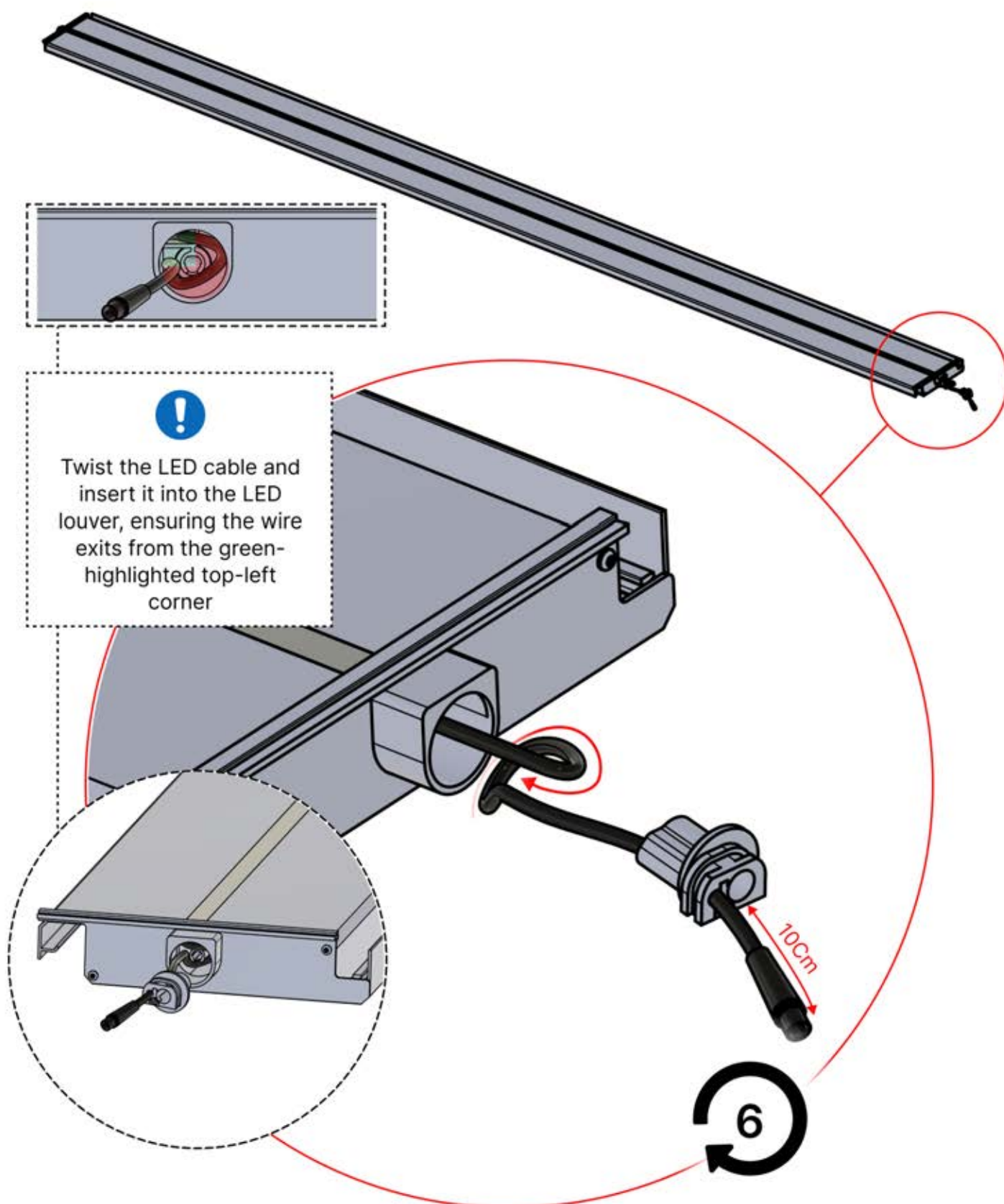
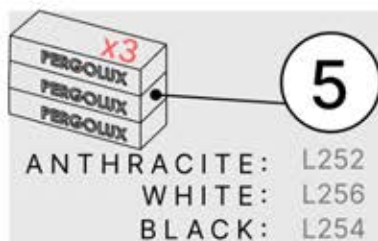
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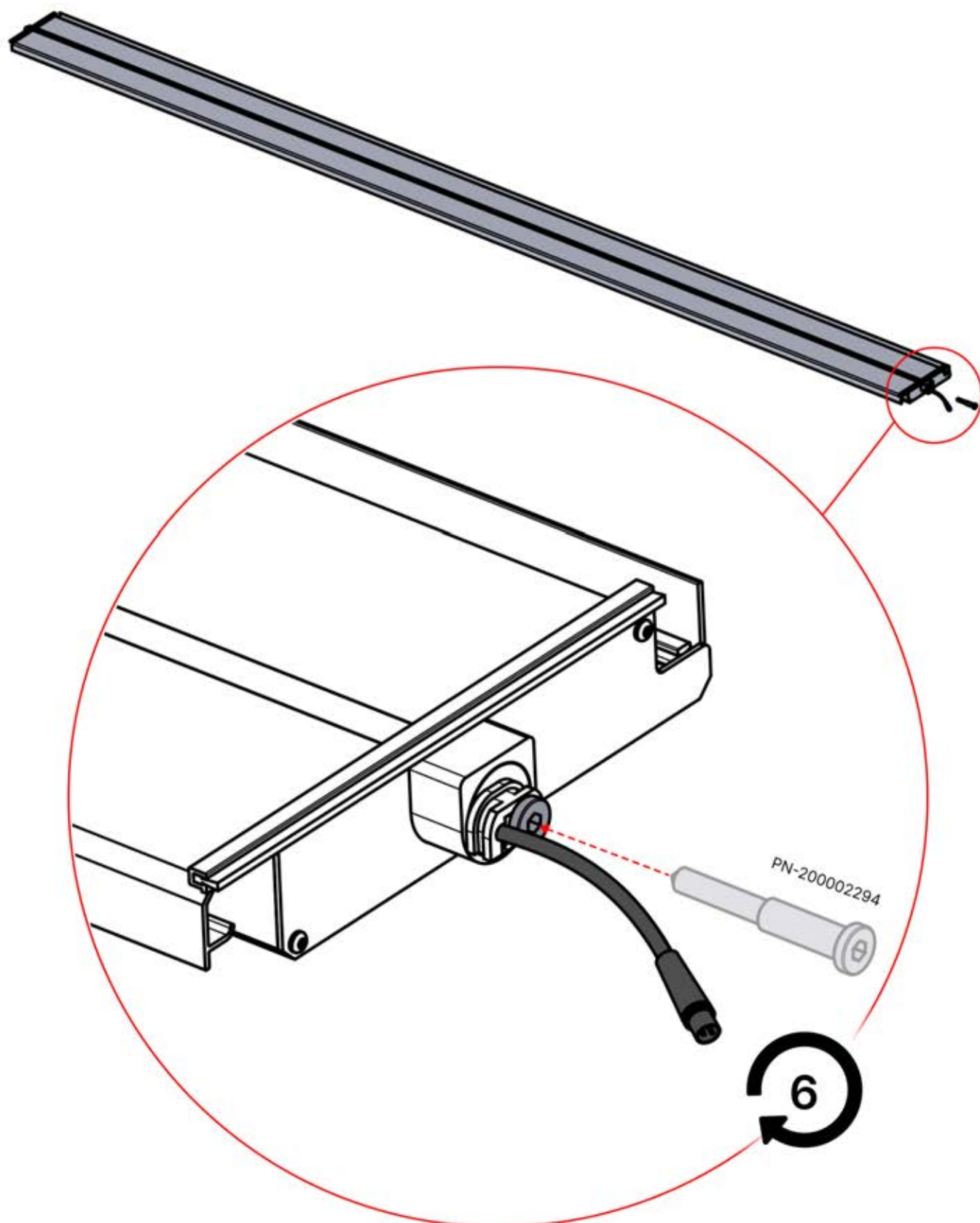
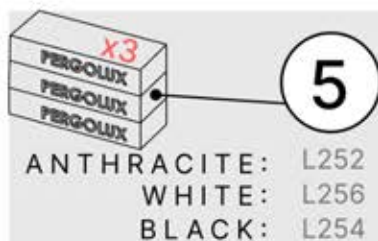
Use part PN-200002313
to secure the LED cable
within the smaller
aperture



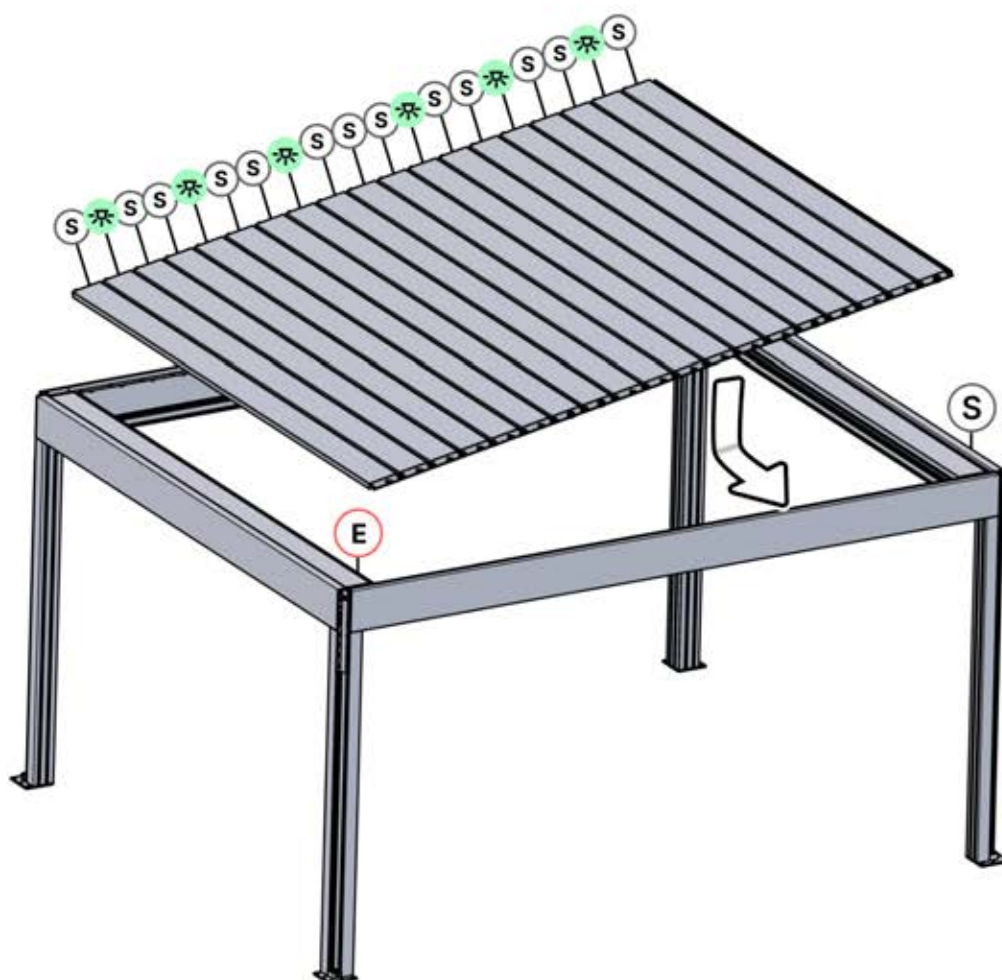
47



48



49



50



4

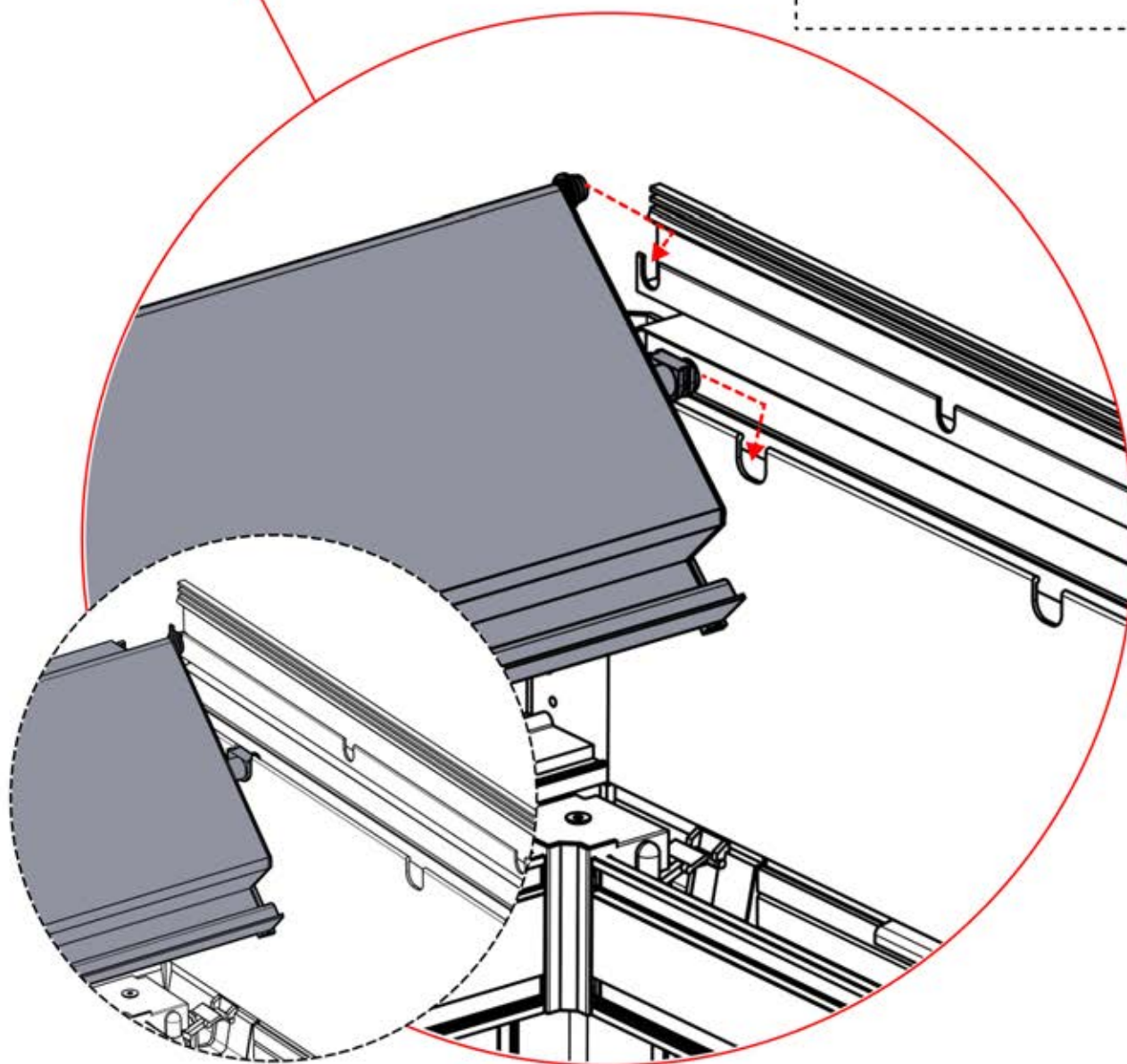
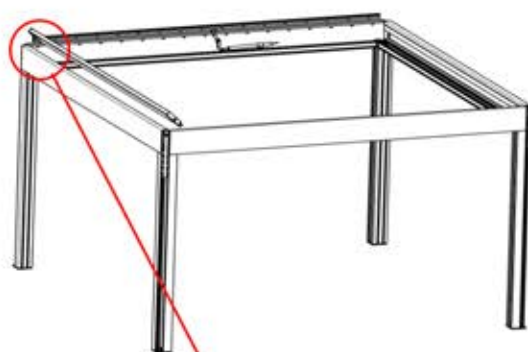
ANTHRACITE: L264
WHITE: L268
BLACK: L266

E



PN-200002362

1x



51



4

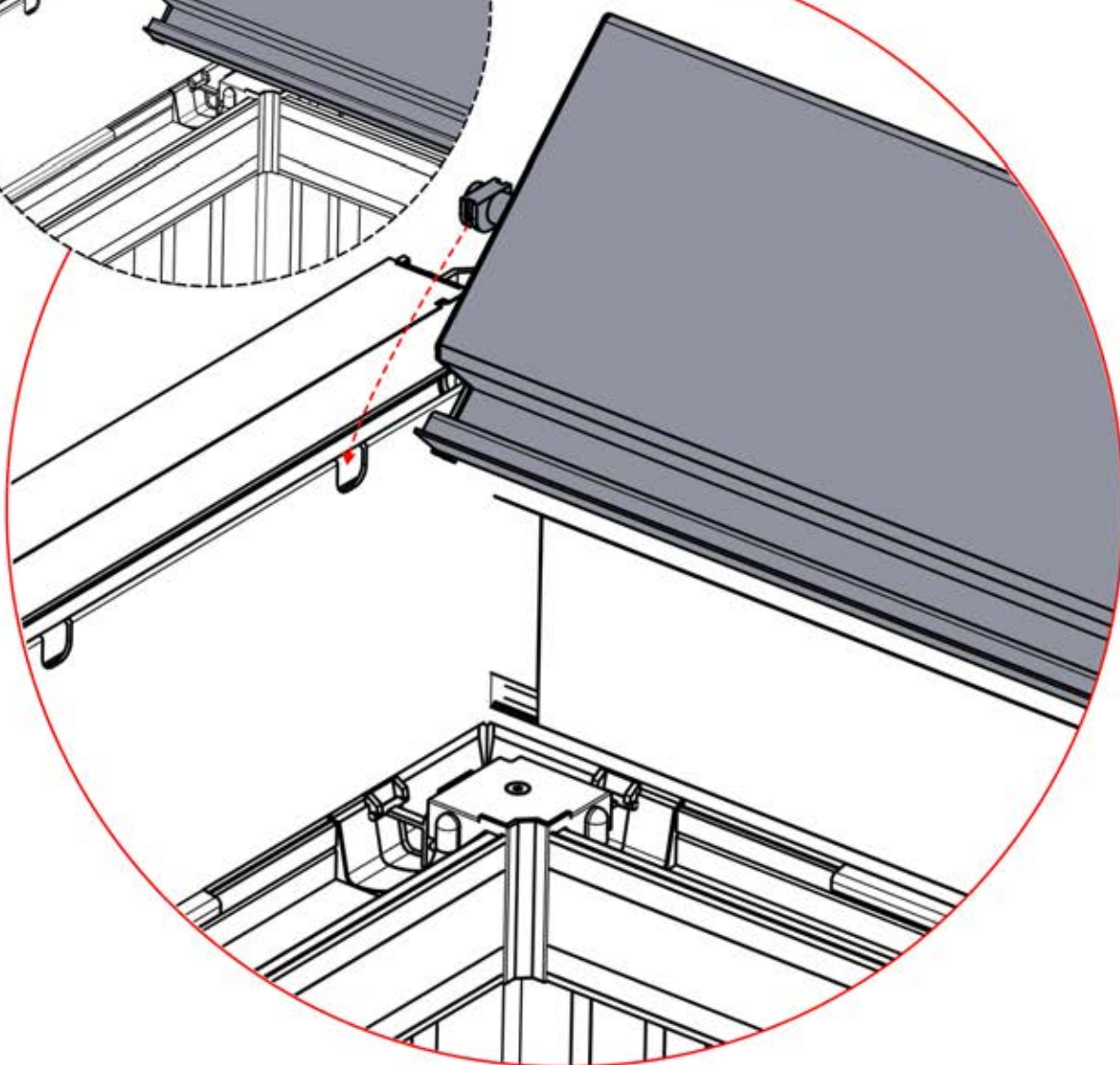
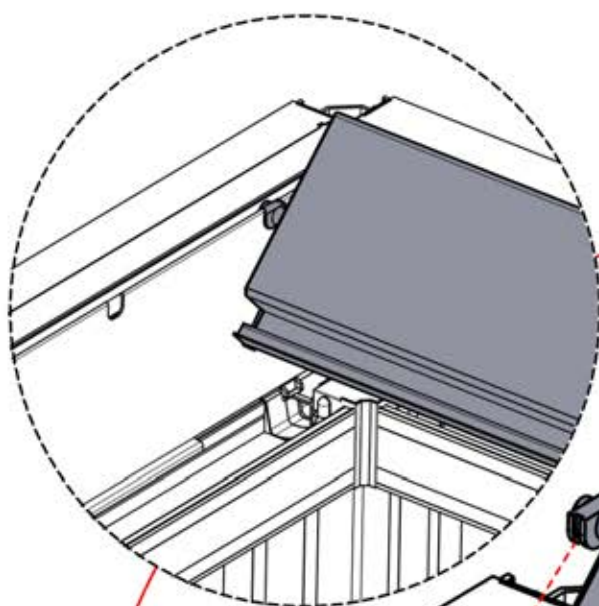
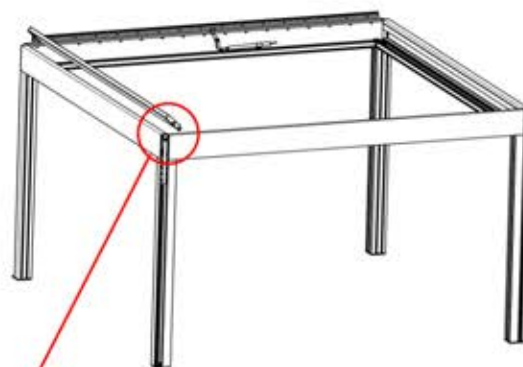
ANTHRACITE: L264
WHITE: L268
BLACK: L266

E

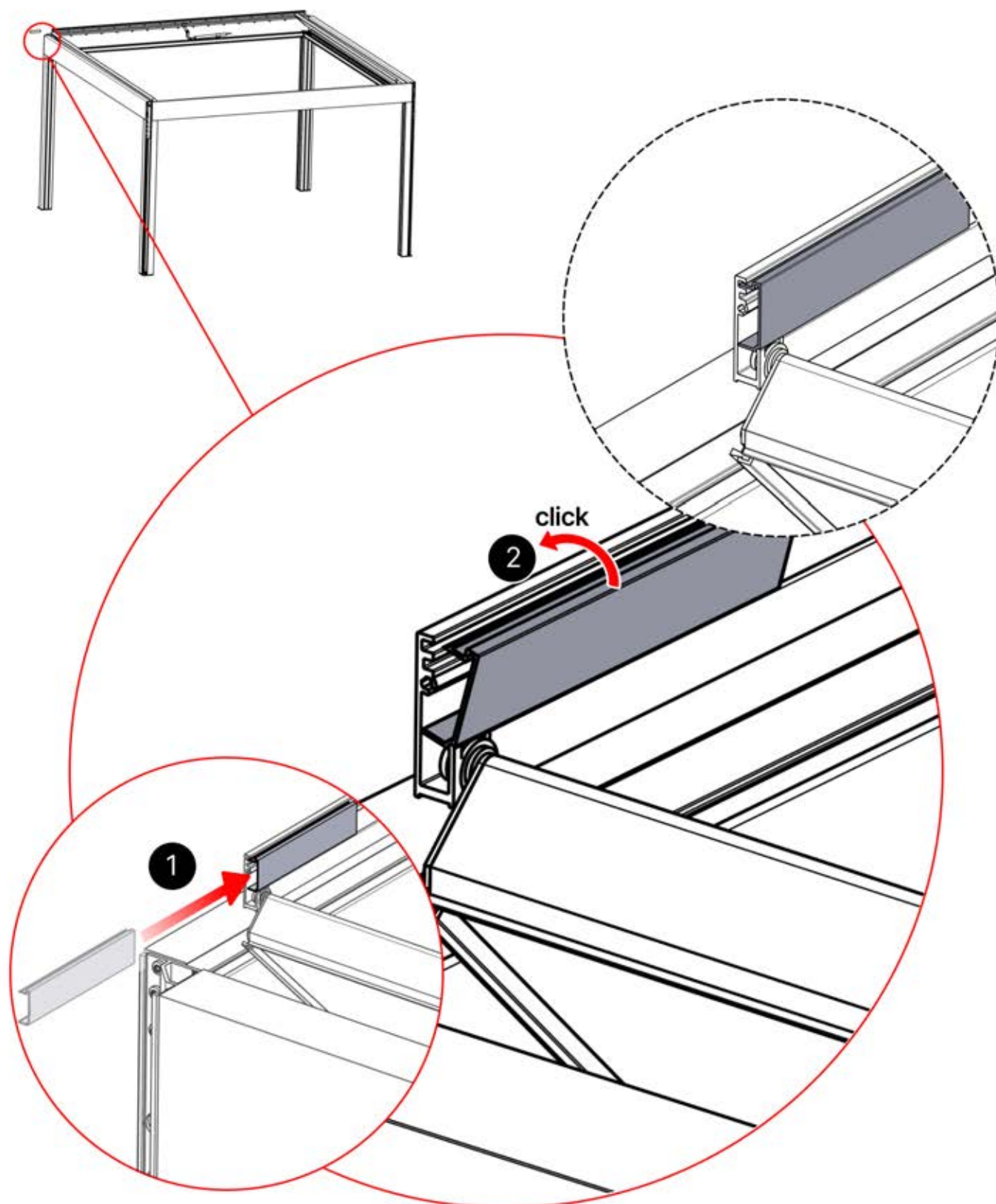
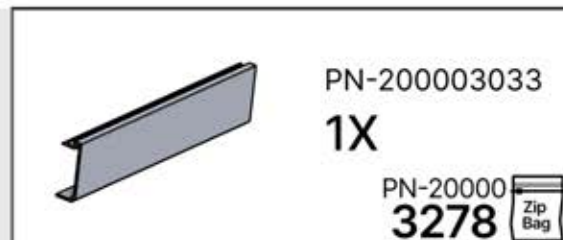
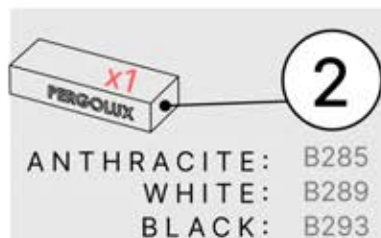


PN-200002362

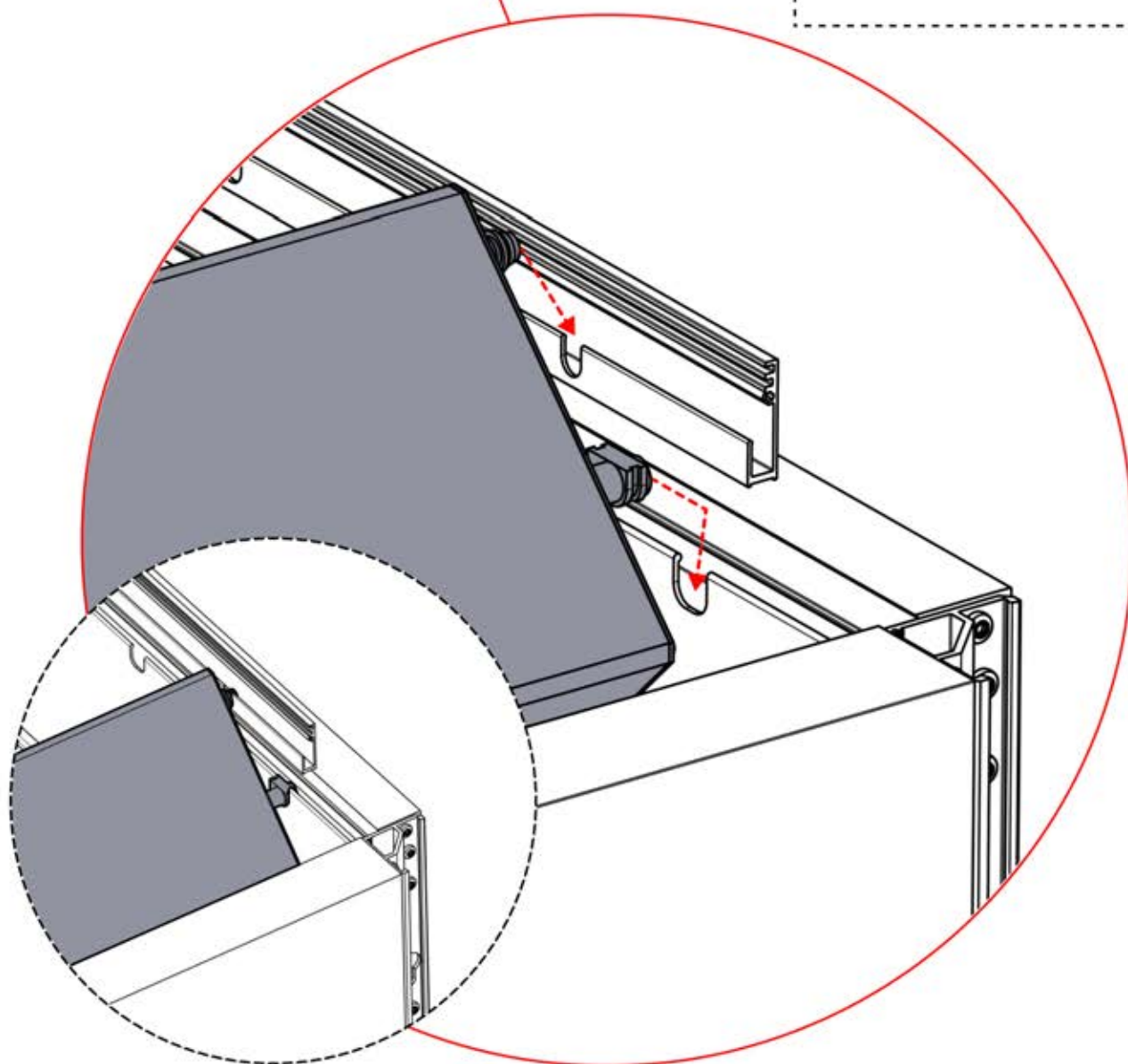
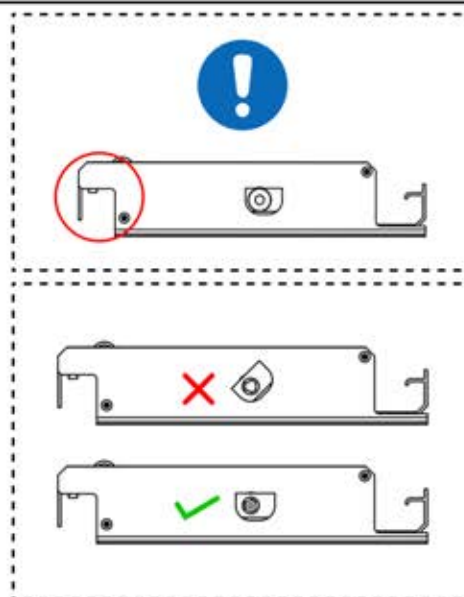
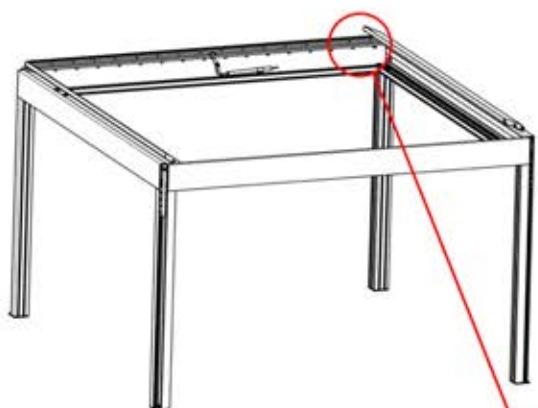
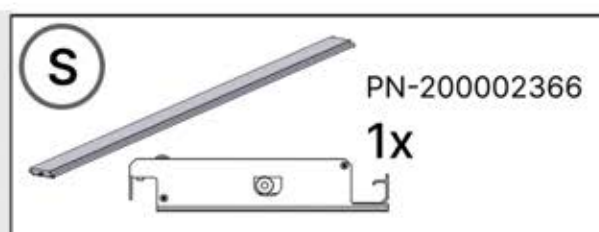
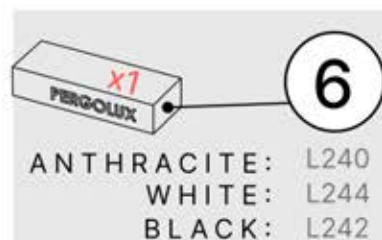
1x



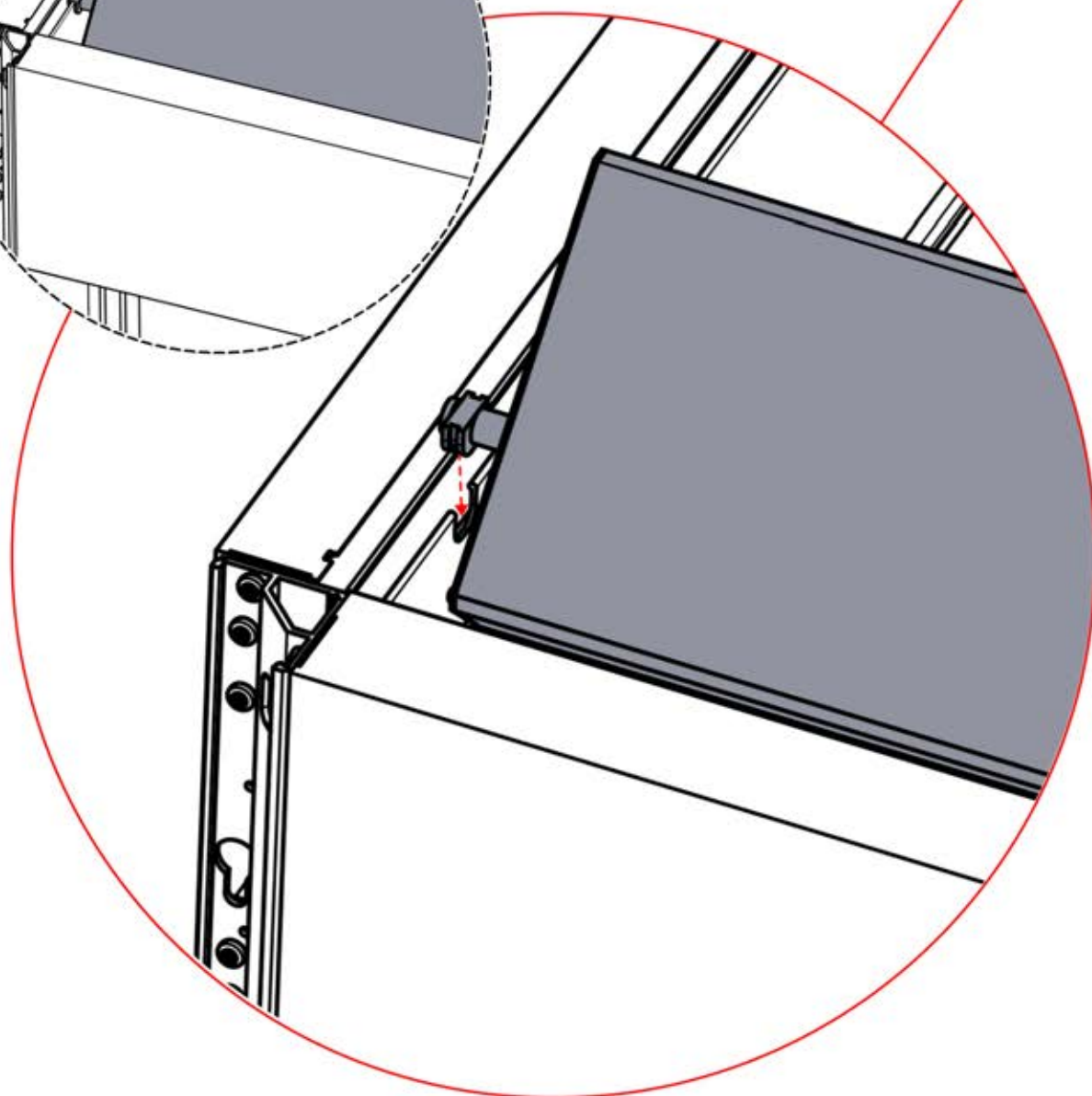
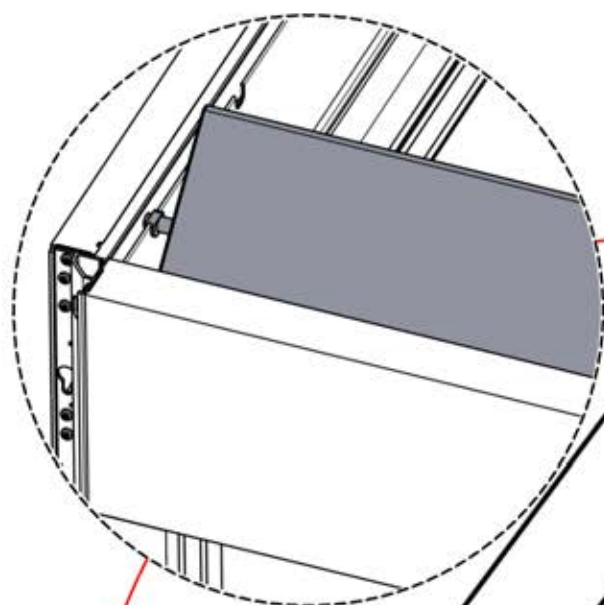
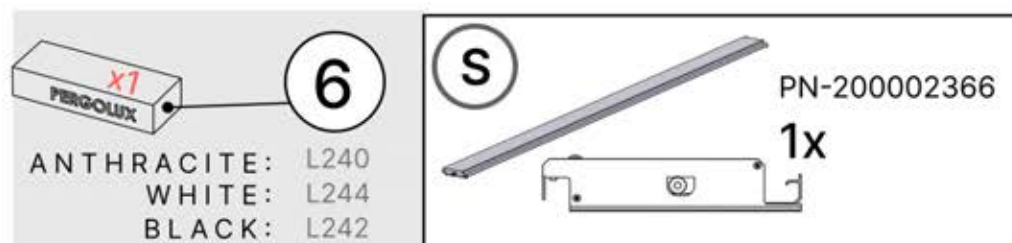
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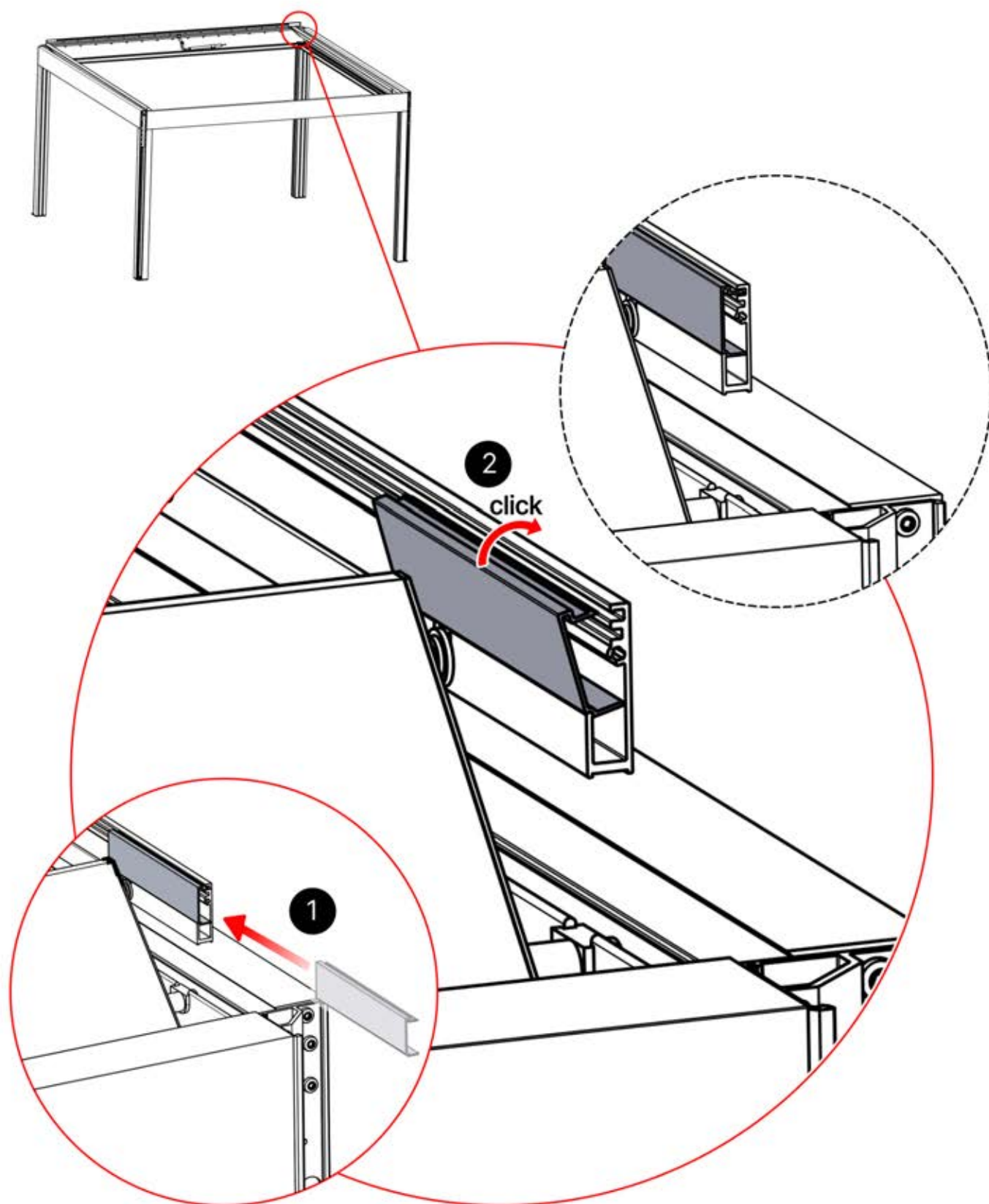
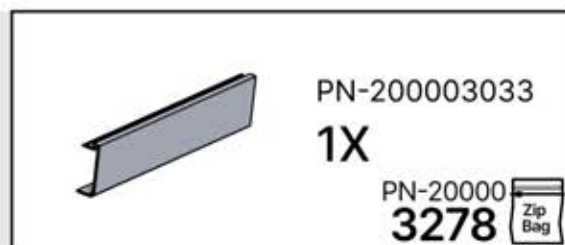
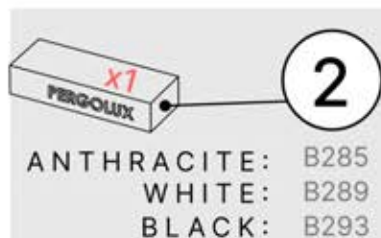
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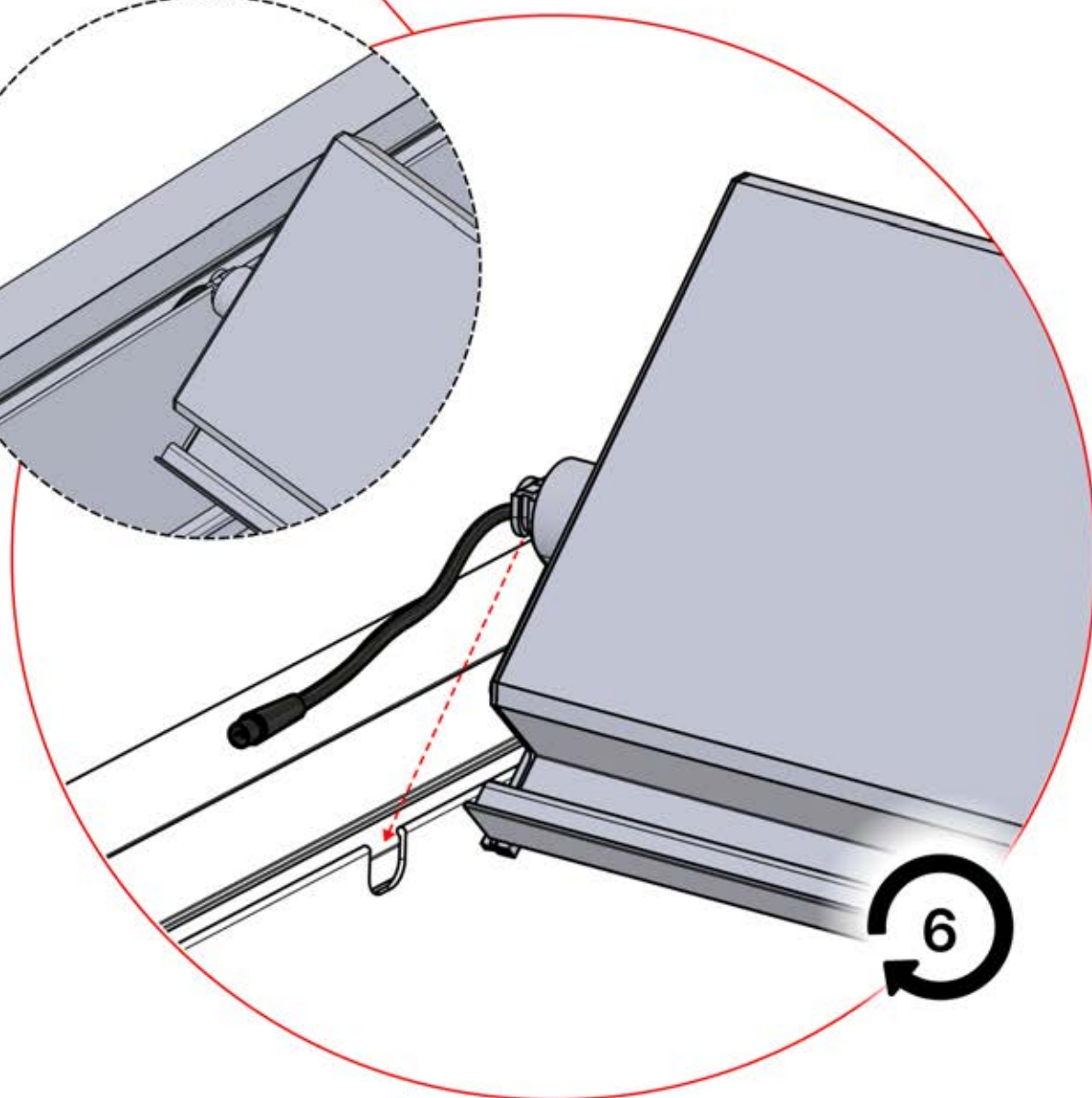
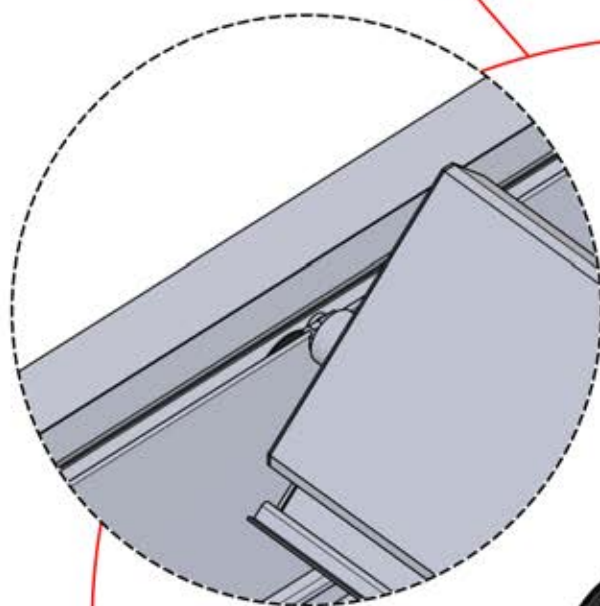
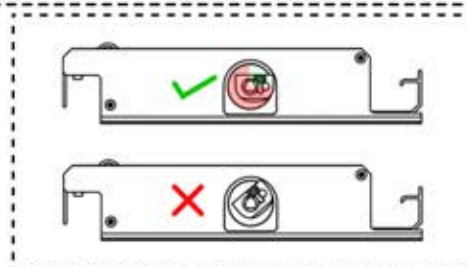
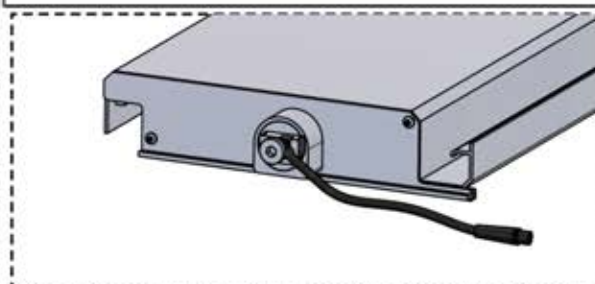
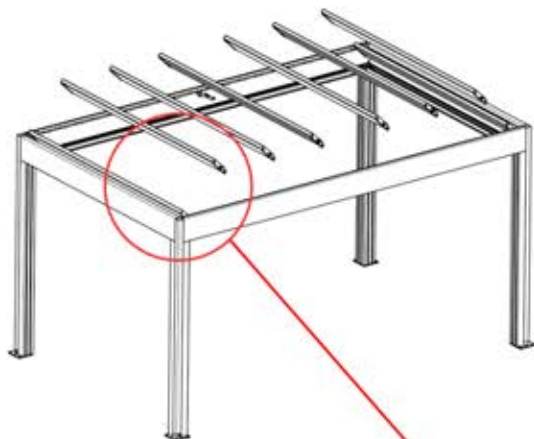
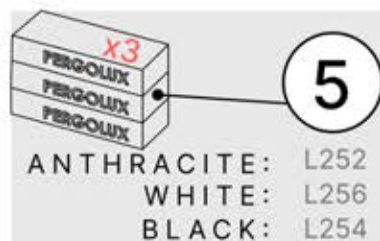
54



55

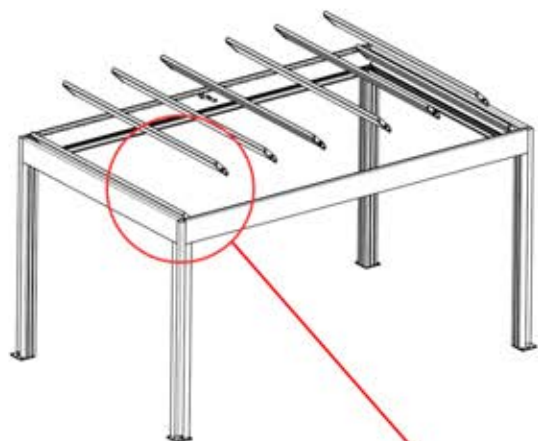


56

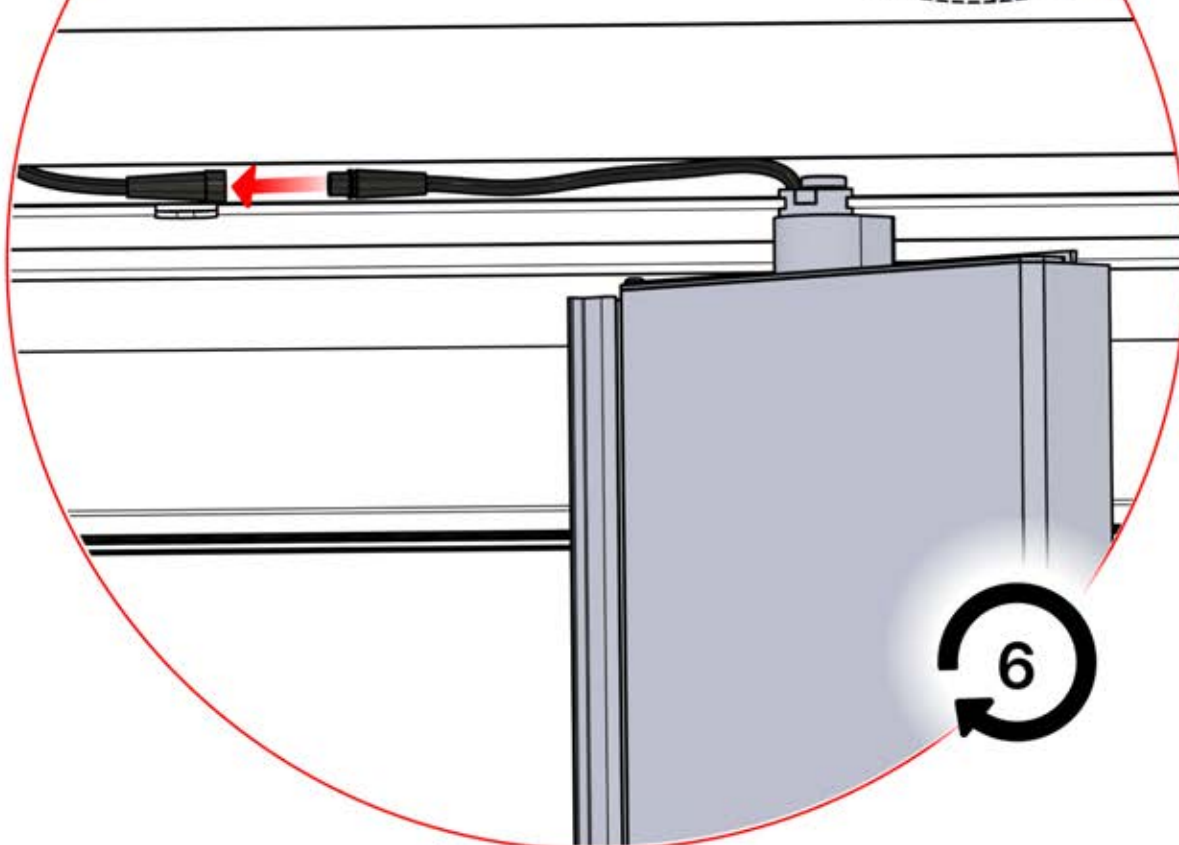
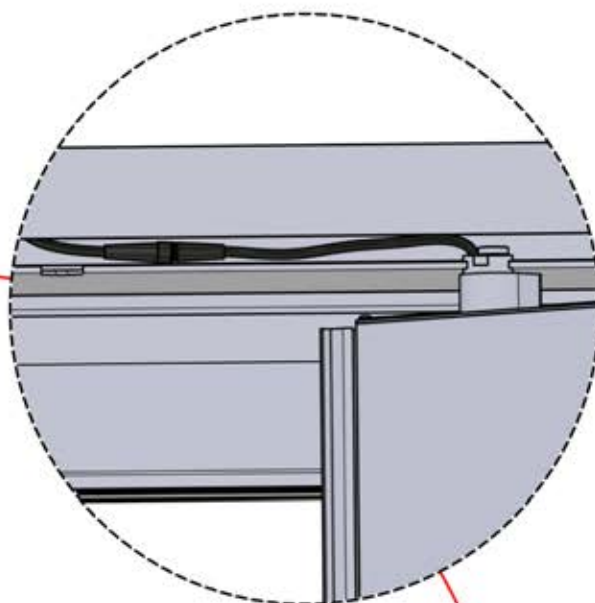


6

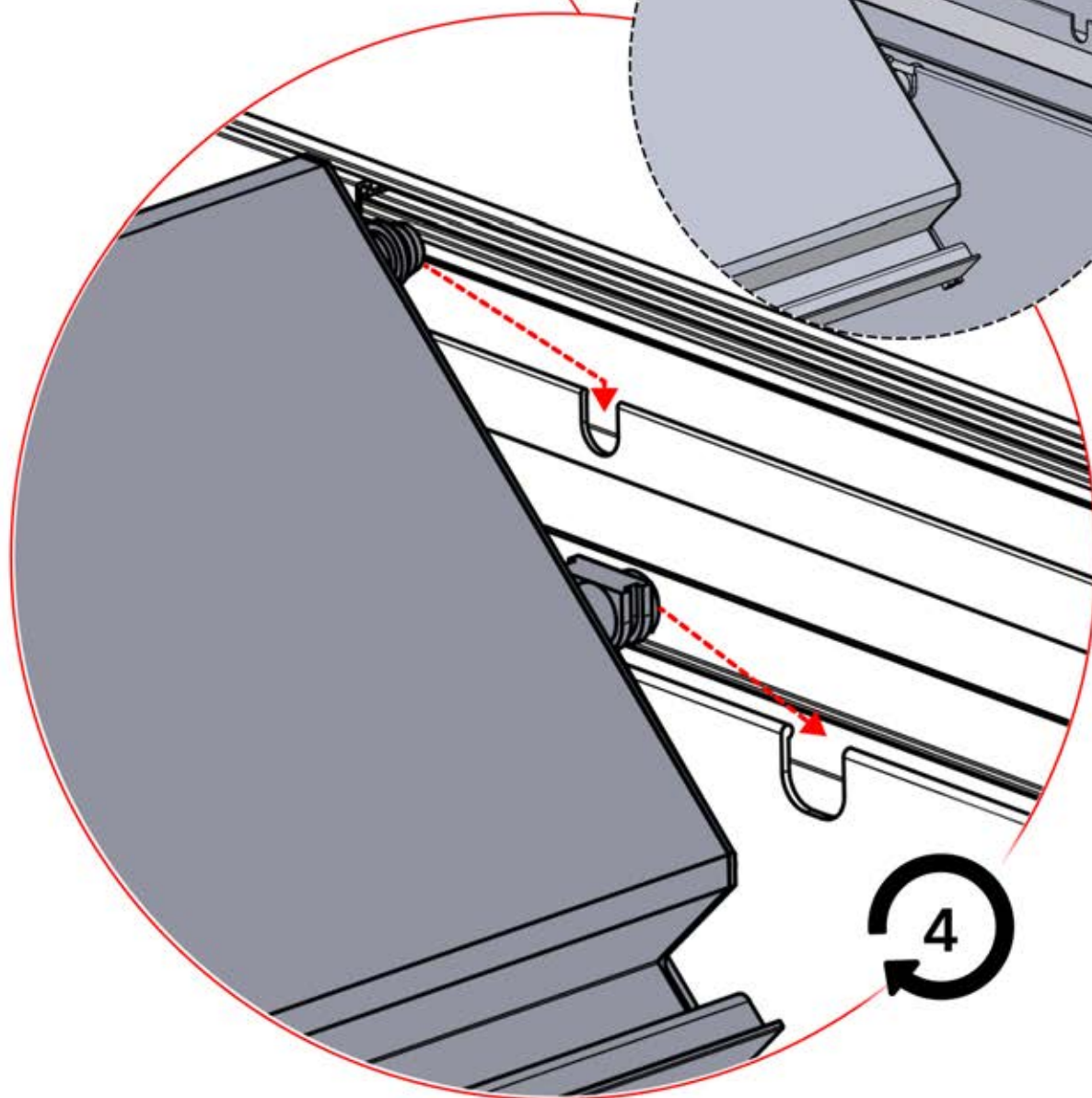
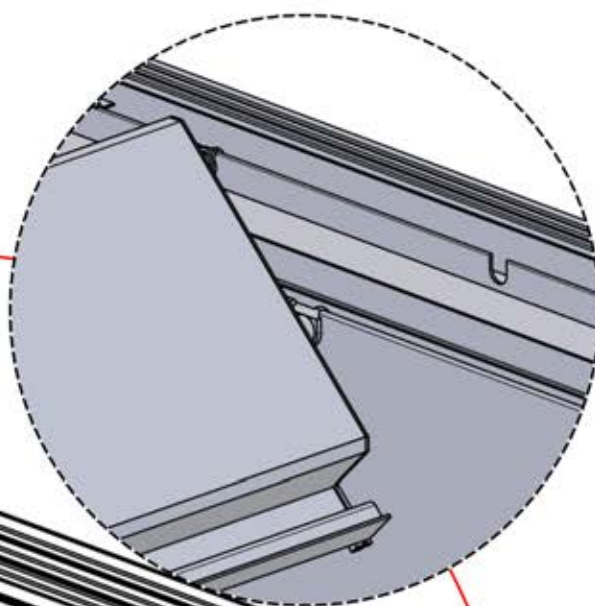
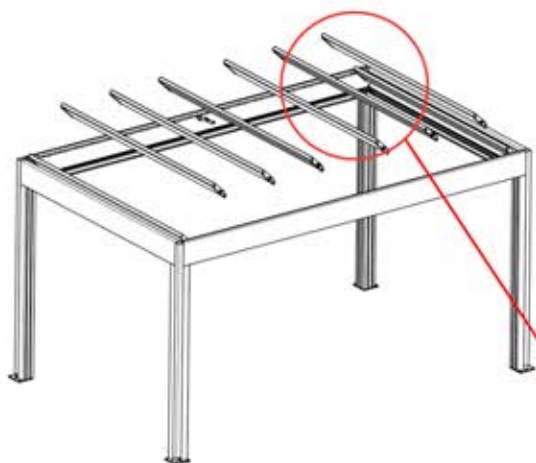
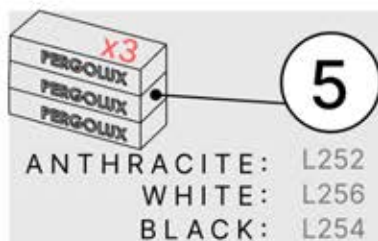
57



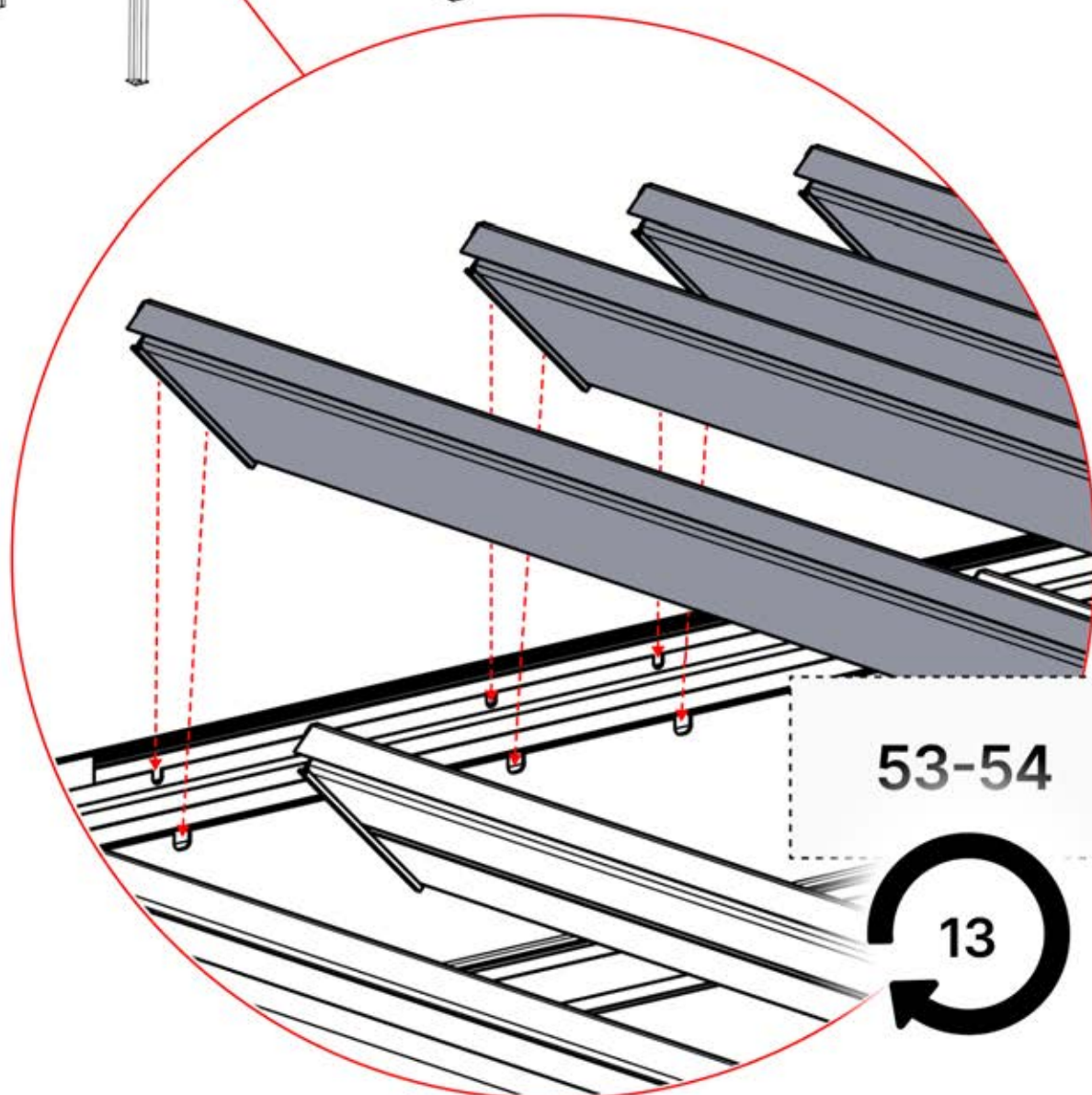
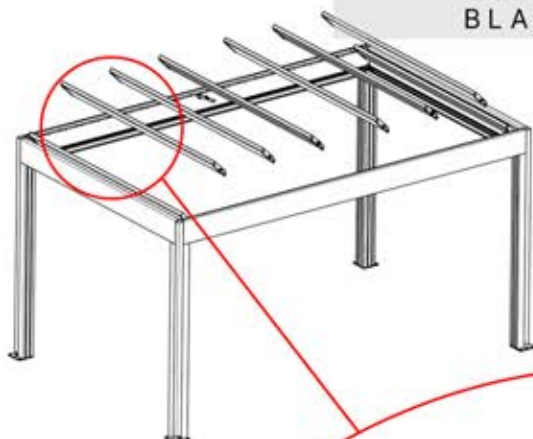
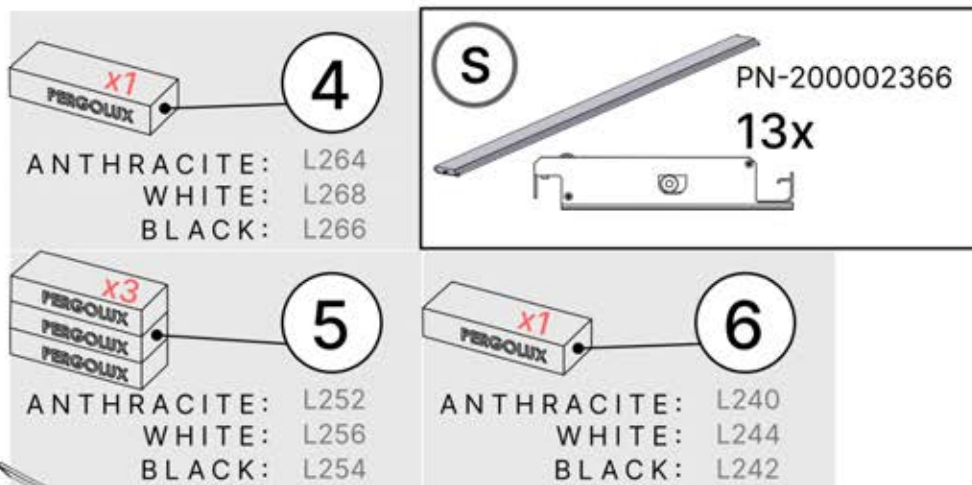

Connect the LED
cable to the 4-pin LED
wire



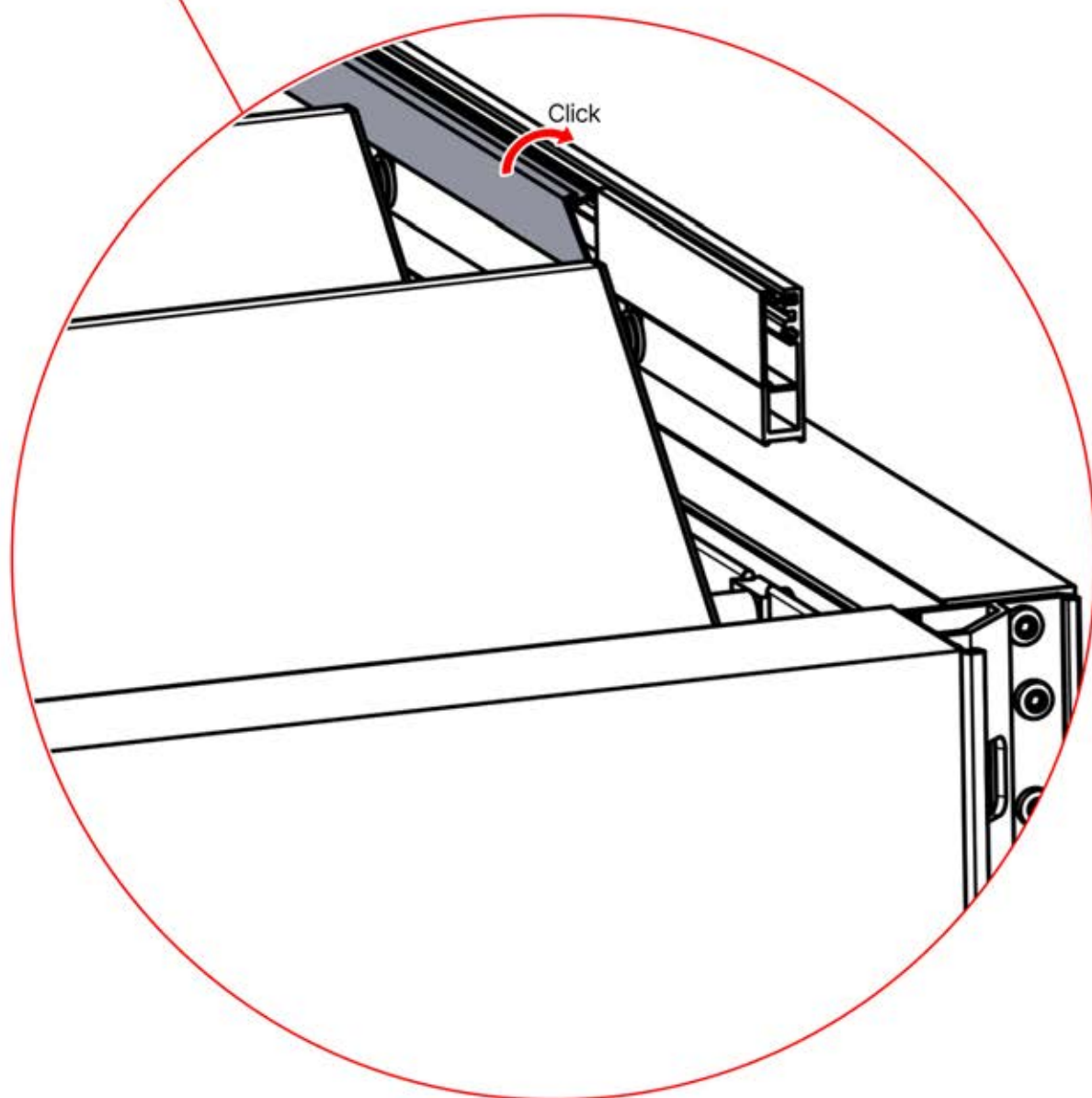
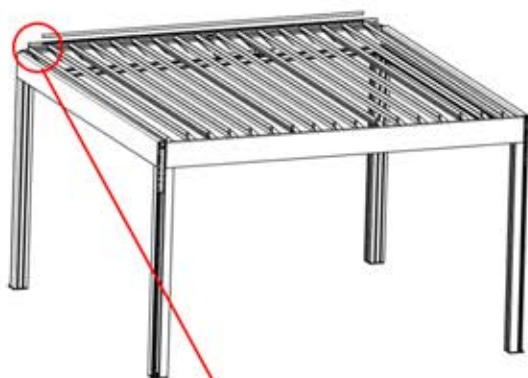
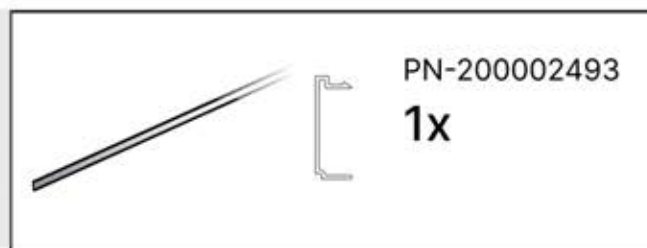
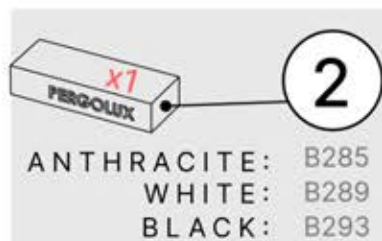
58



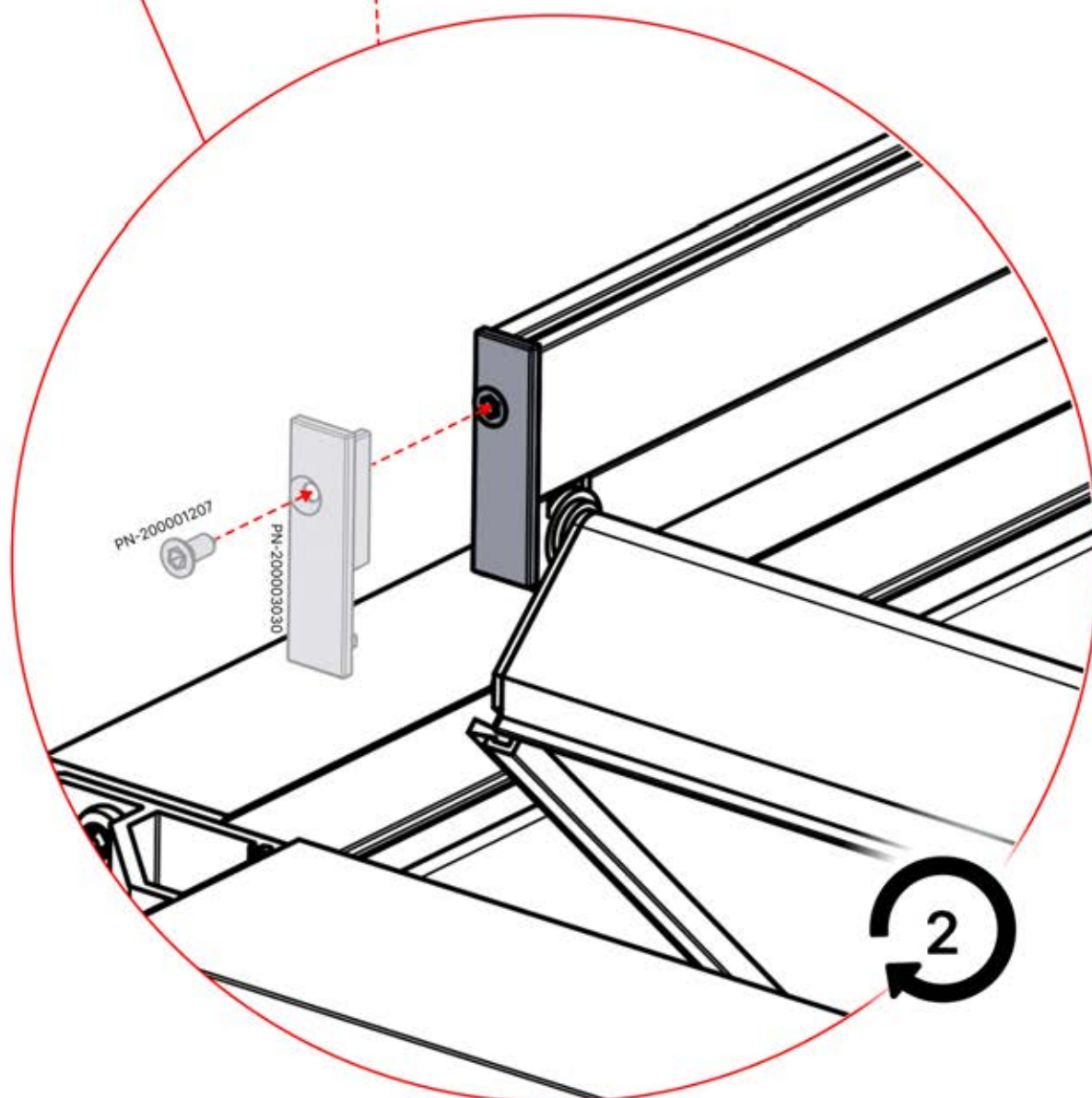
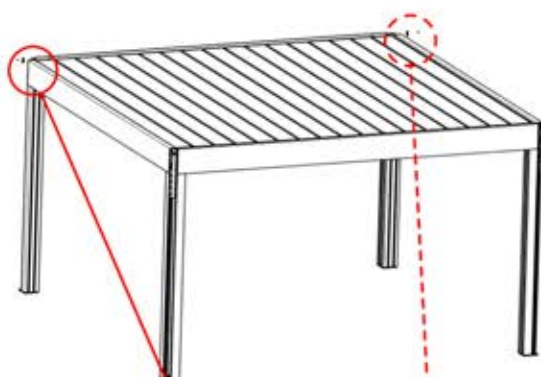
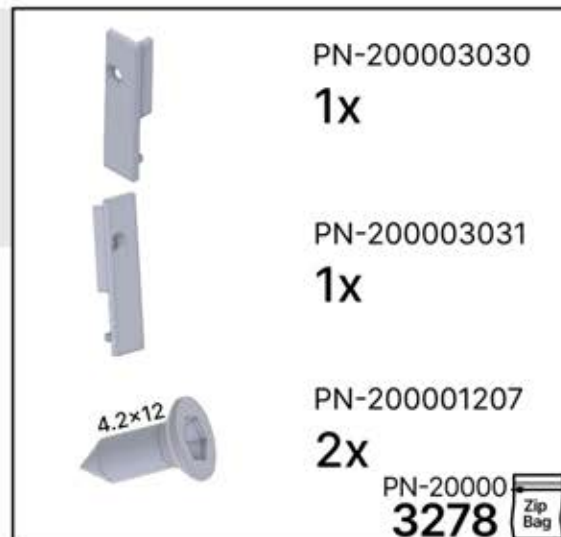
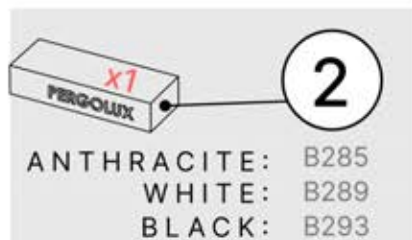
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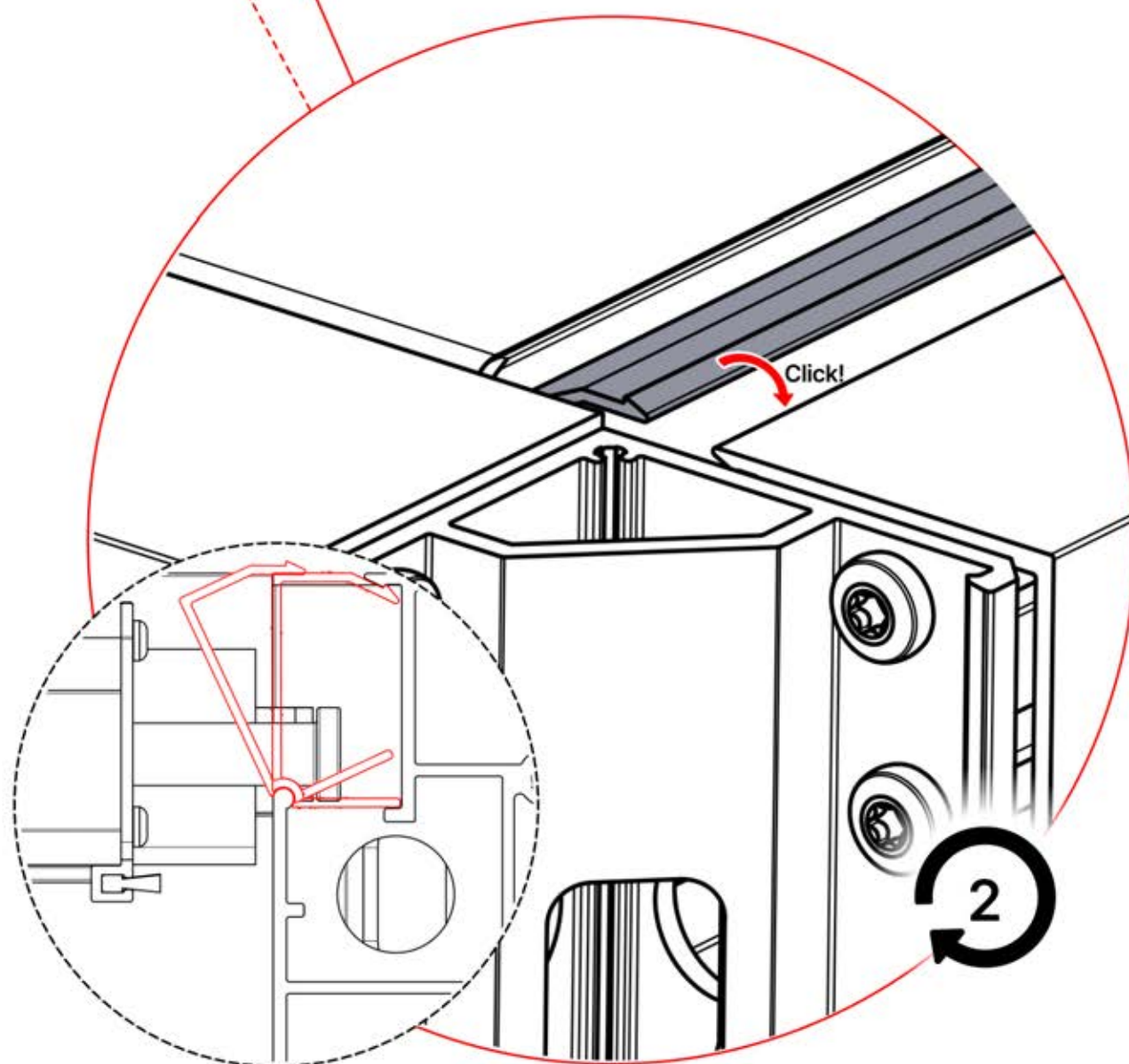
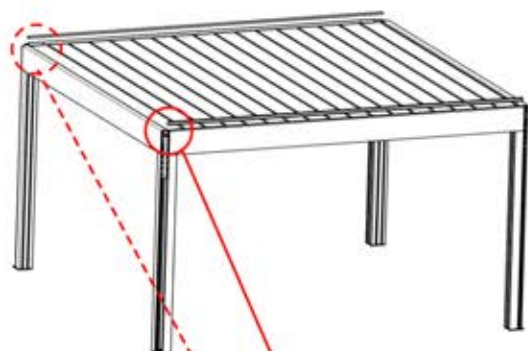
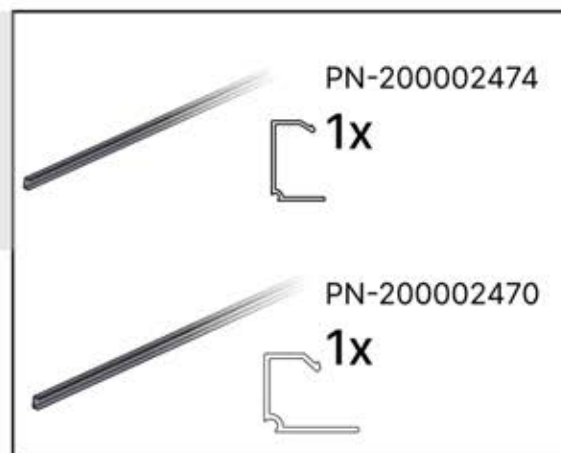
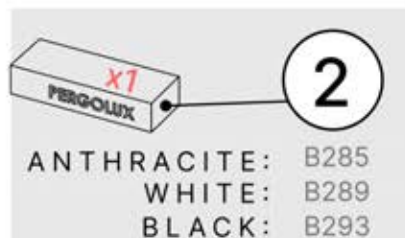
60



61

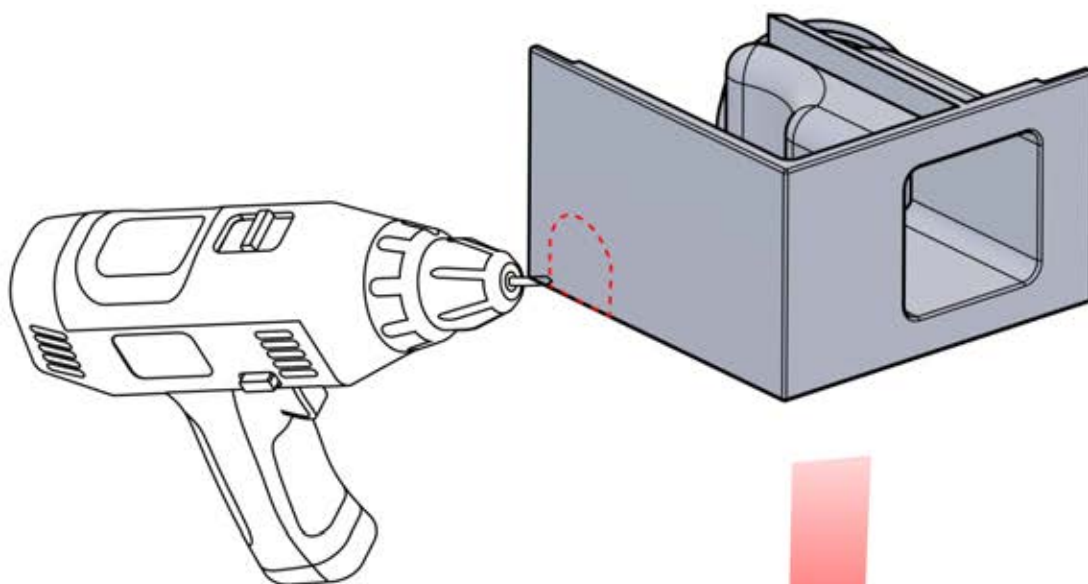
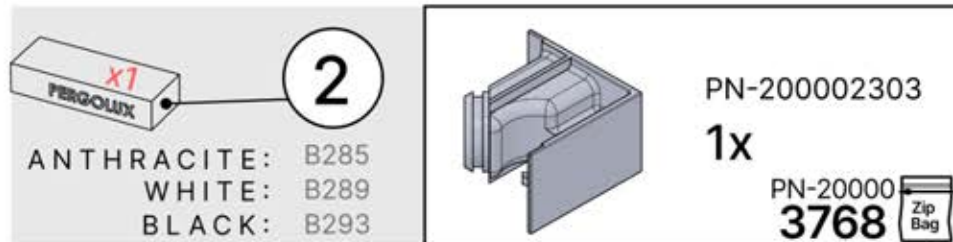


62



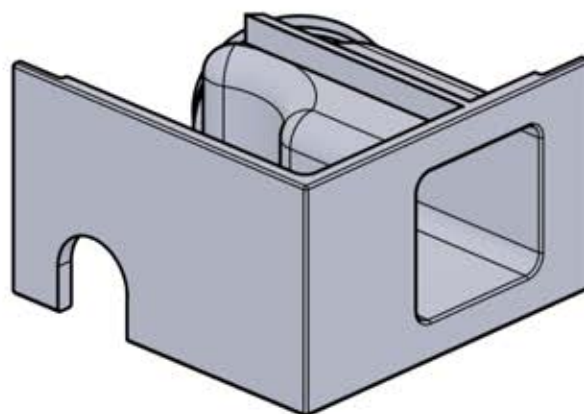
S4 PERGOLUX | PERGOLA PRO MAX FREESTANDING

INFORMATION

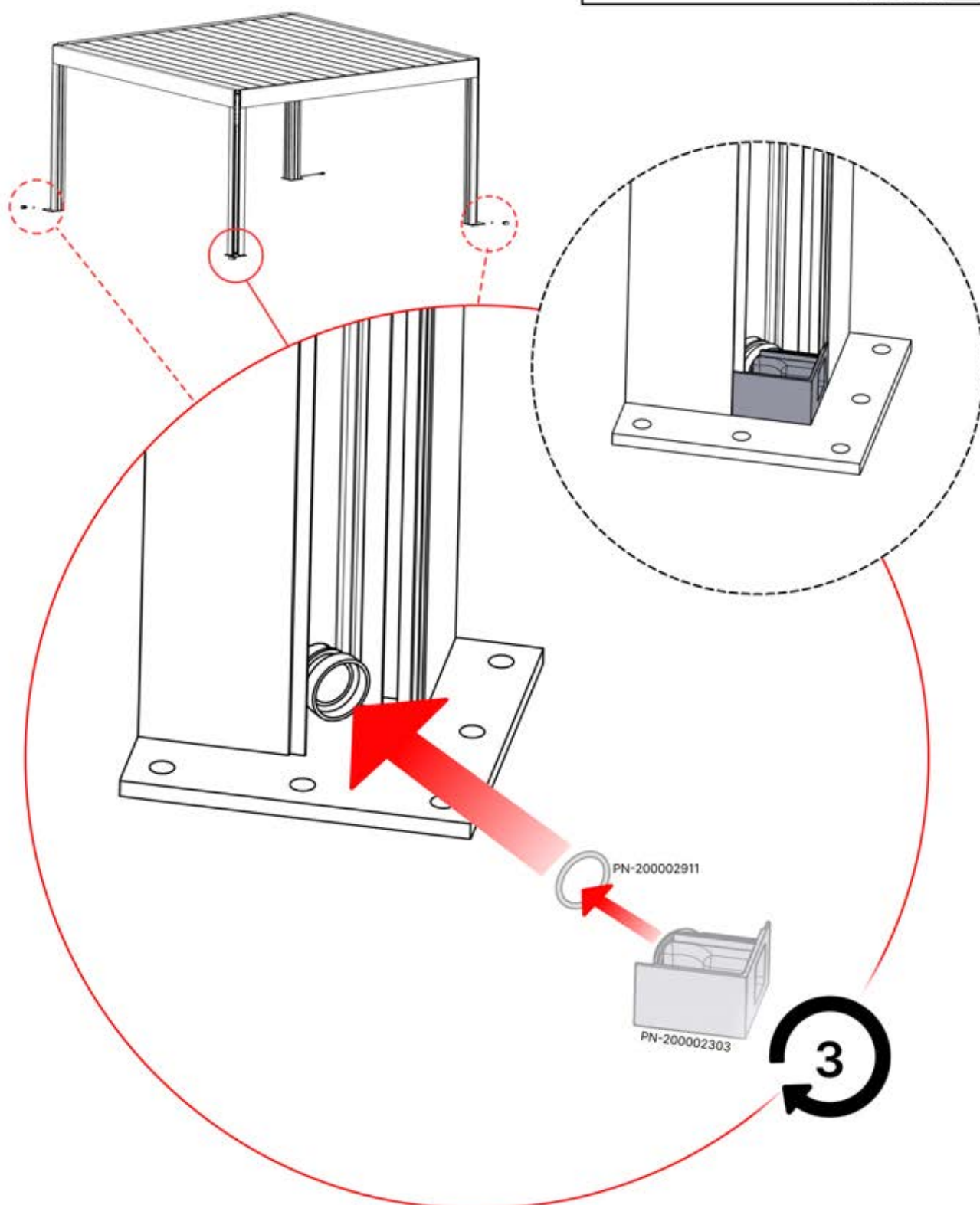
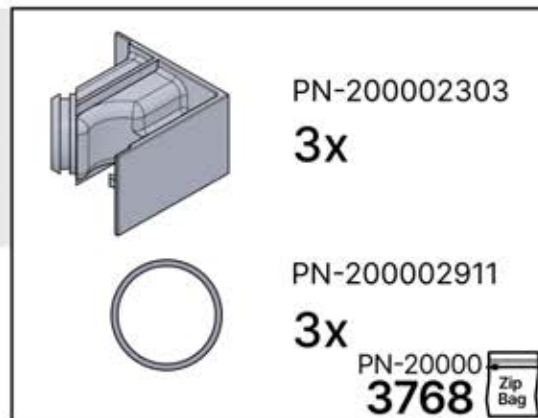
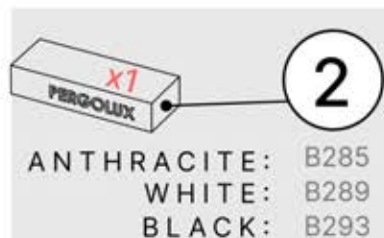


Select one of the four PN-200002303 parts and drill a 10 mm diameter hole to accommodate the power cable.

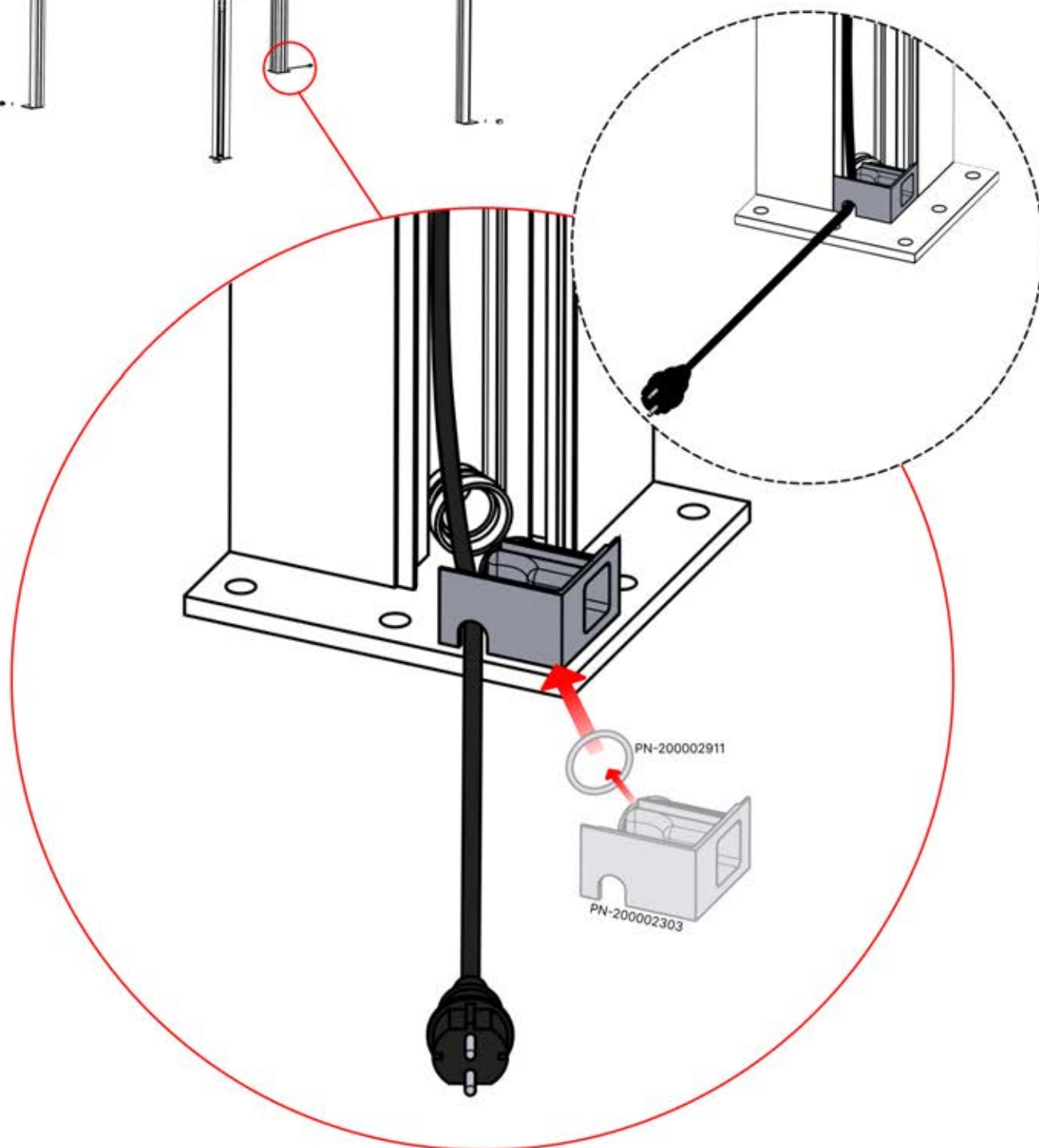
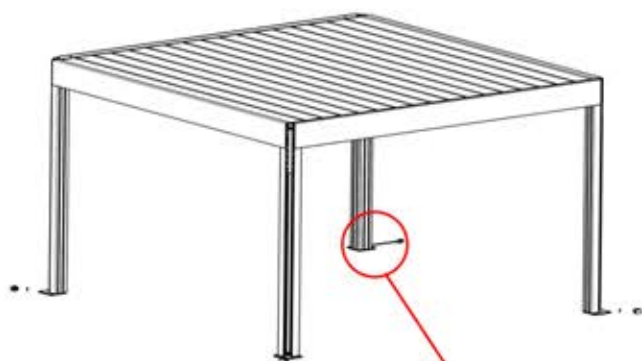
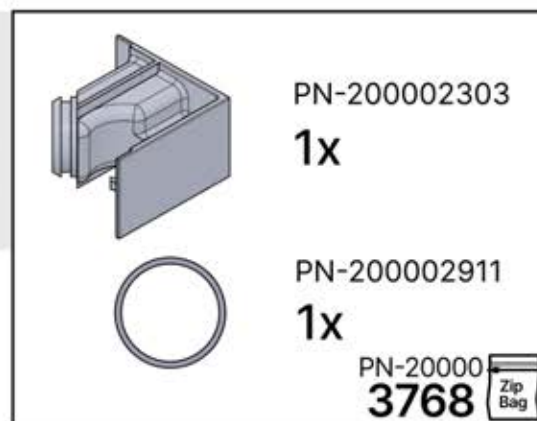
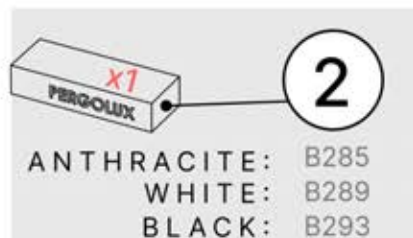
This specific part must be assembled to the corner pole as illustrated in step 64



63



64



65

x2
PERGOLUX
PERGOLUX

1

ANTHRACITE: C126
WHITE: C127
BLACK: C128

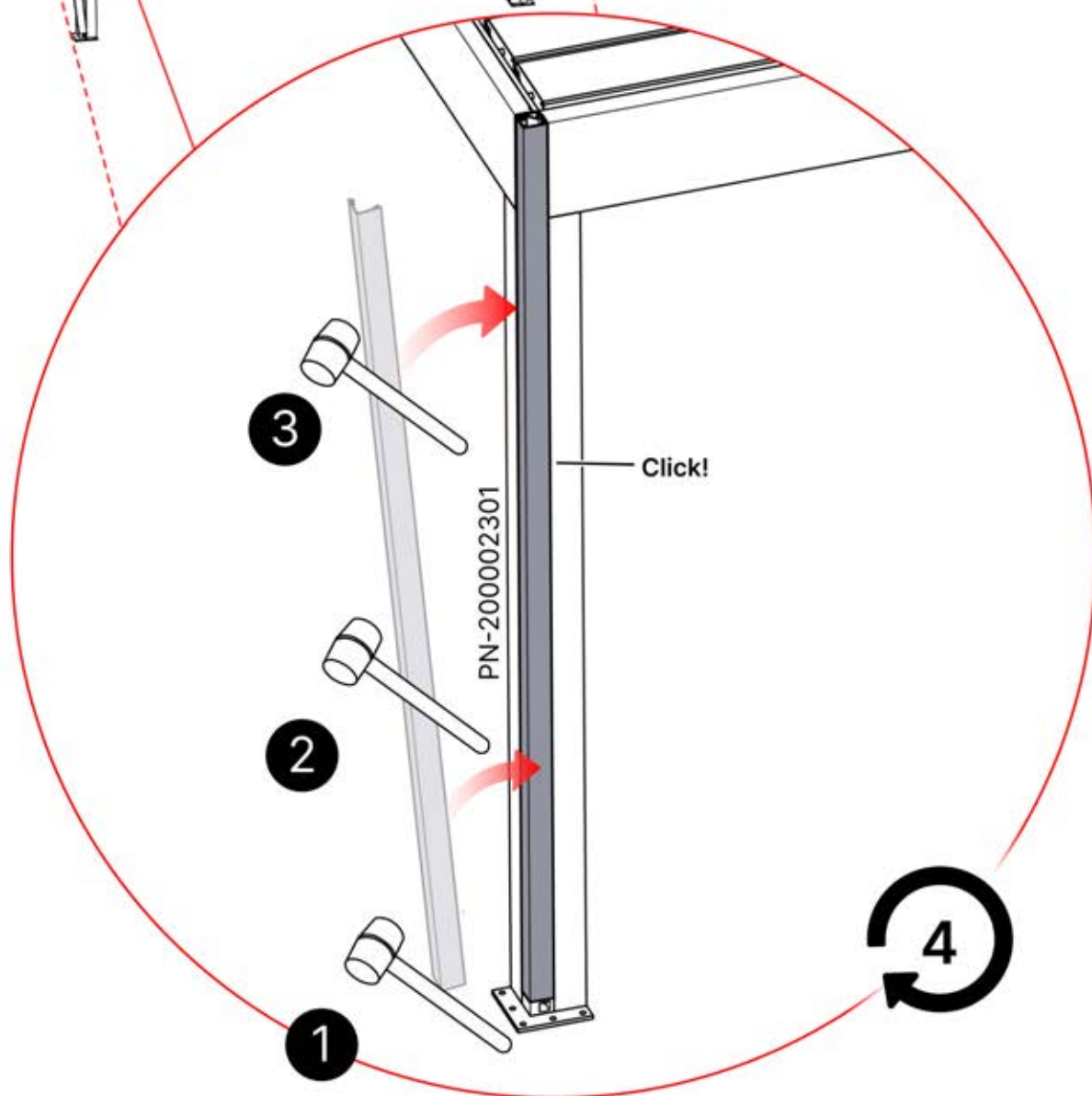
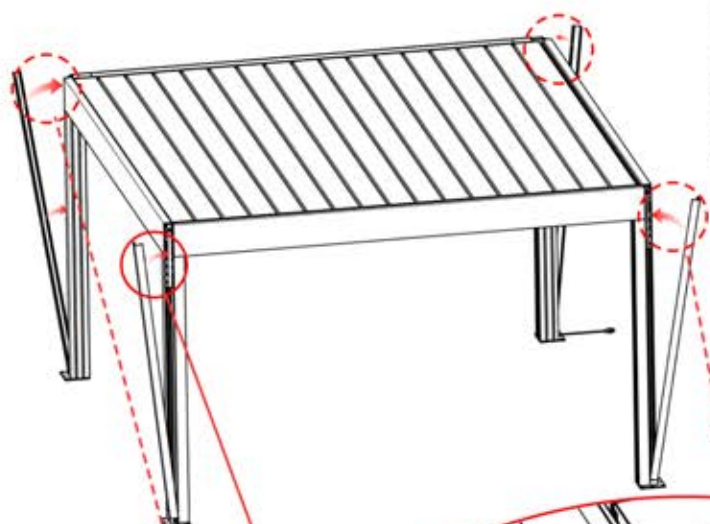
PN-200002301
4x



⚠️



⚠️



66



2

ANTHRACITE: B285
WHITE: B289
BLACK: B293

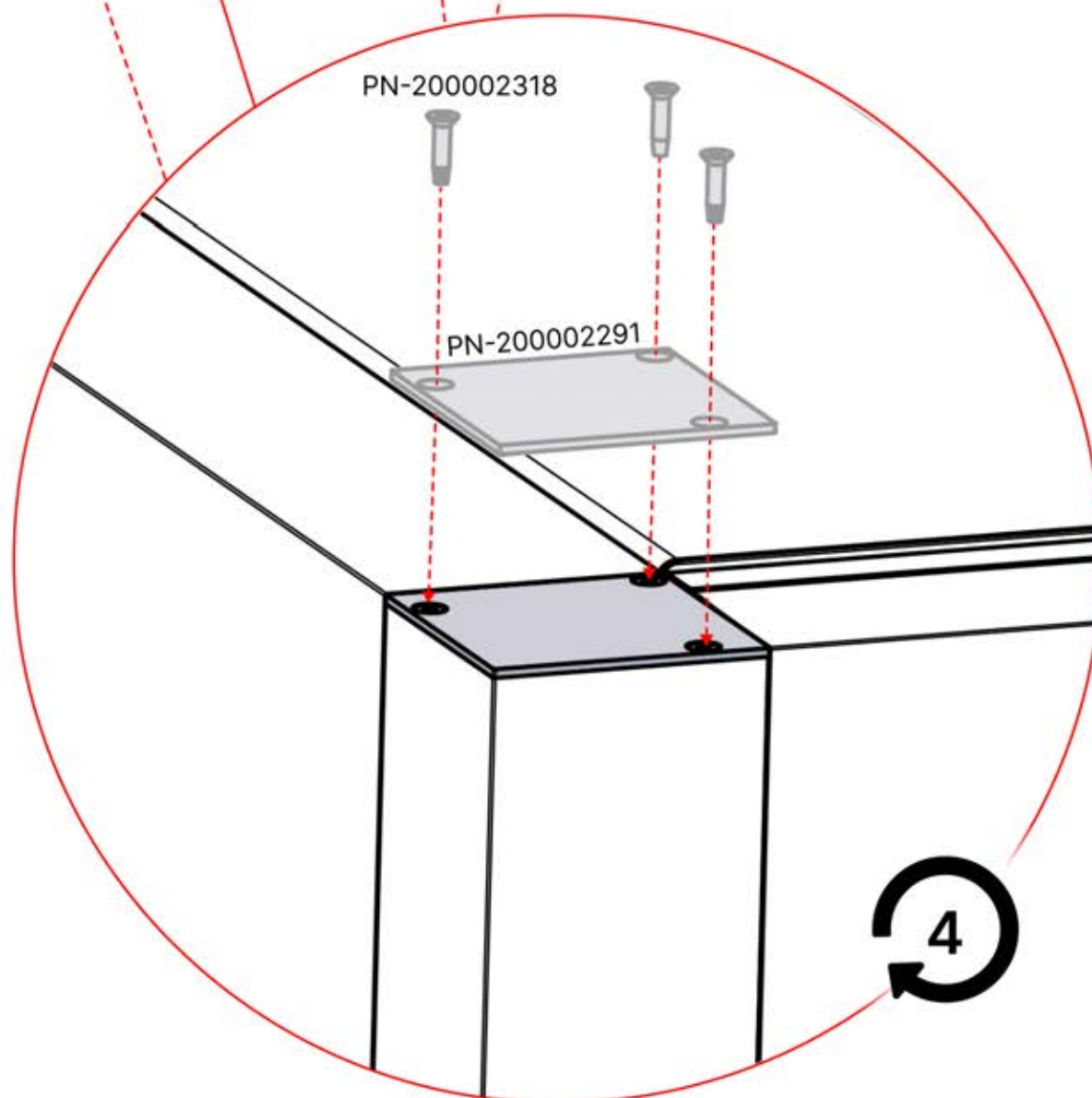
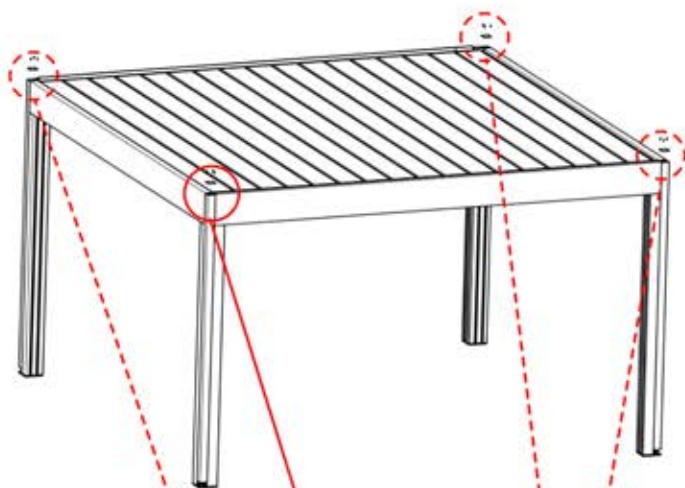


PN-200002291
4x

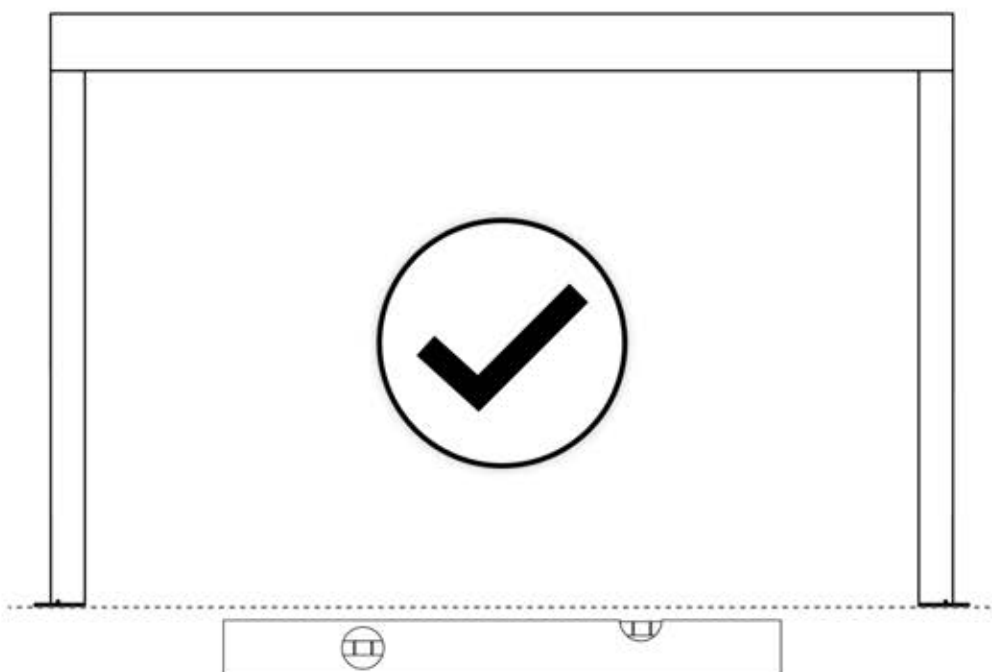
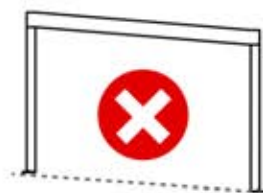
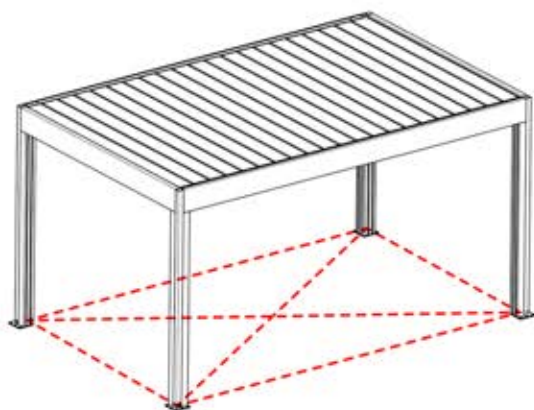
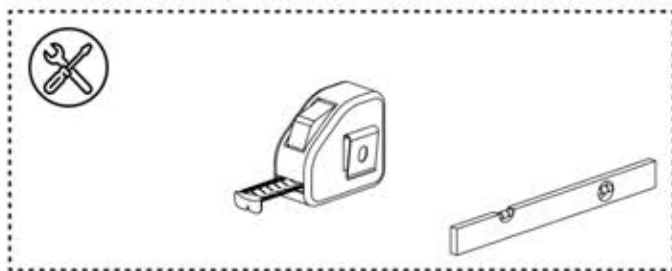


PN-200002318
12x

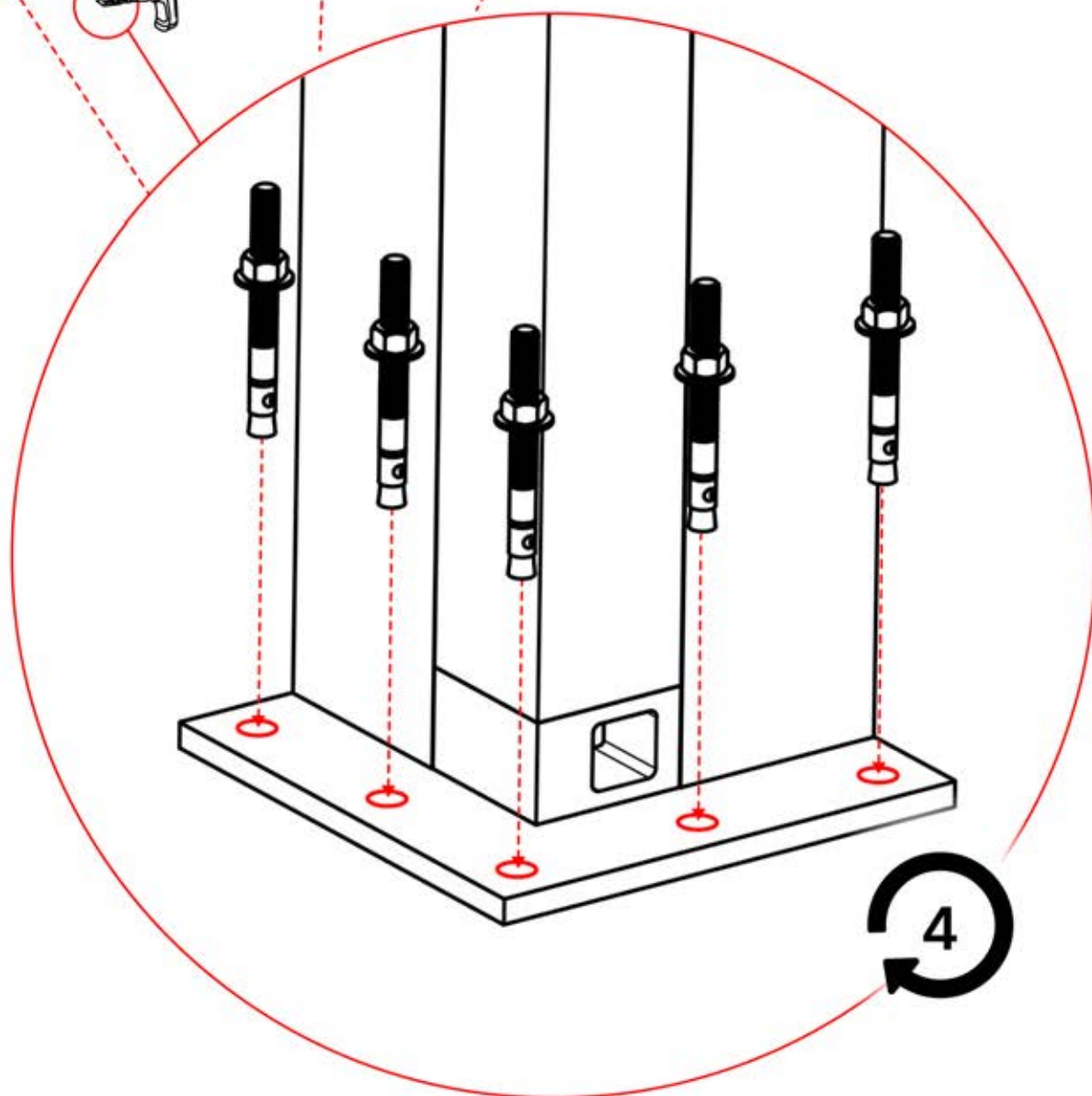
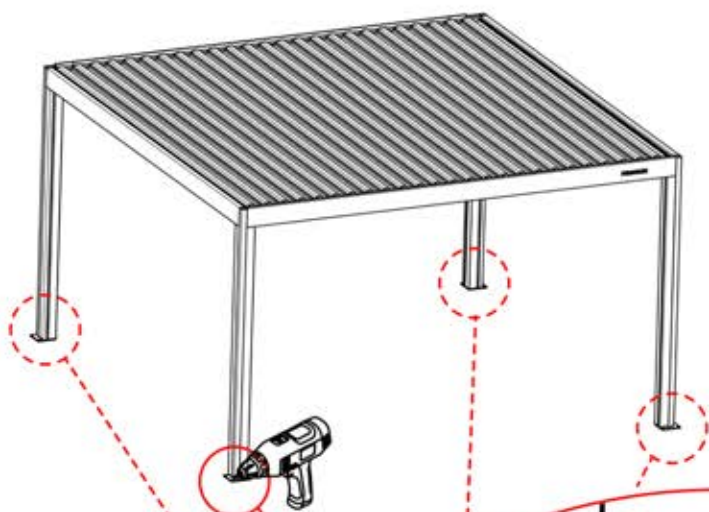
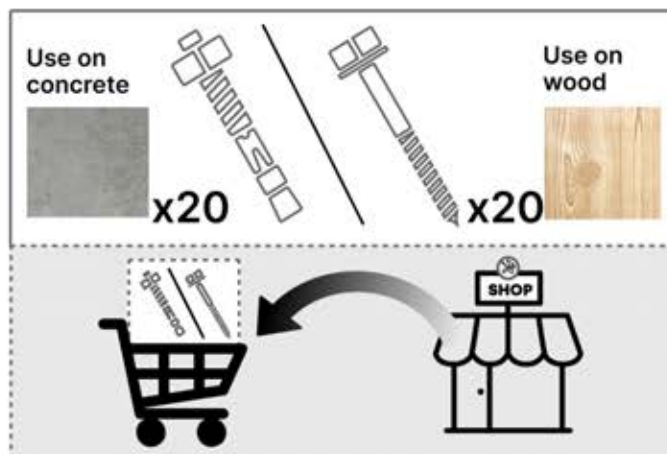
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67

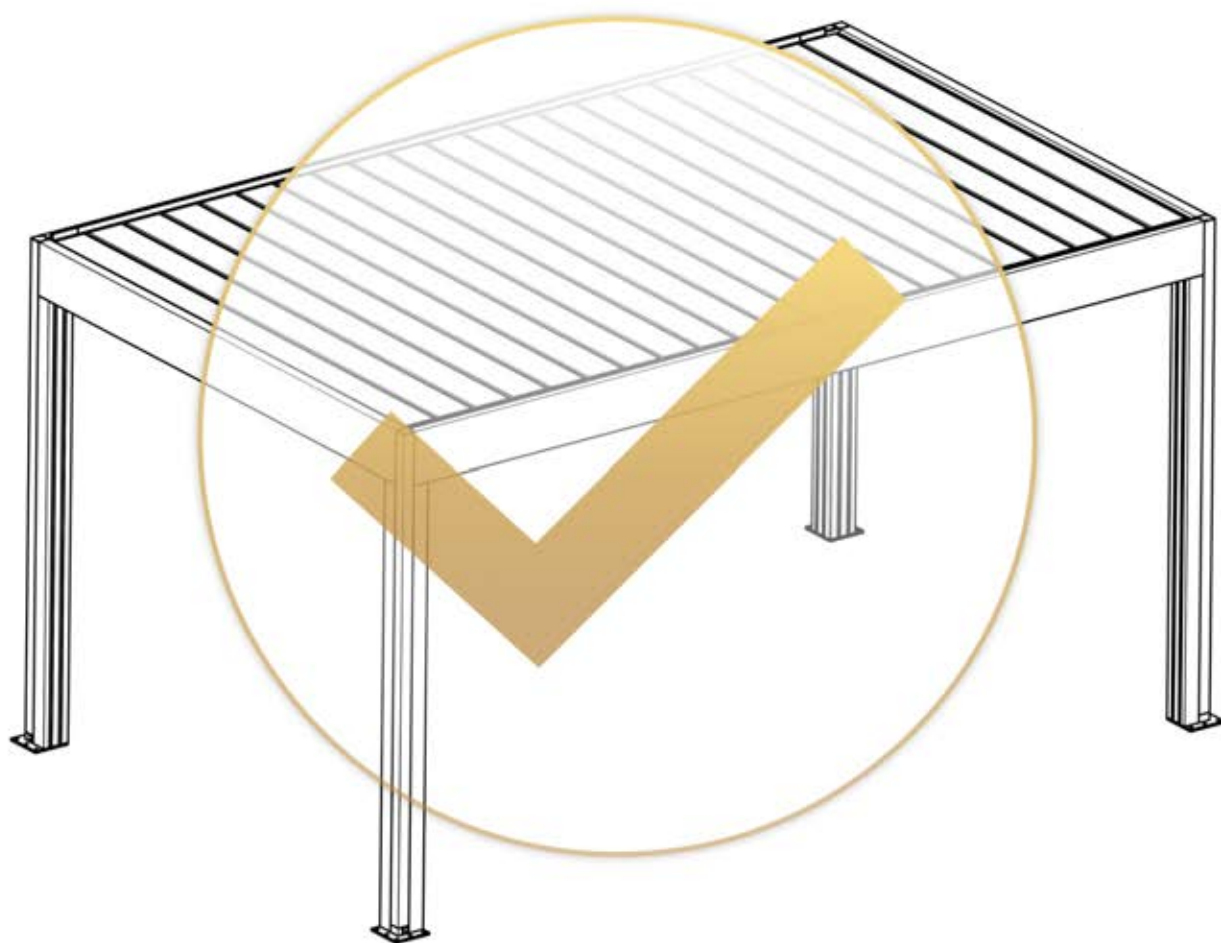


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4X5M / 13'x16'



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