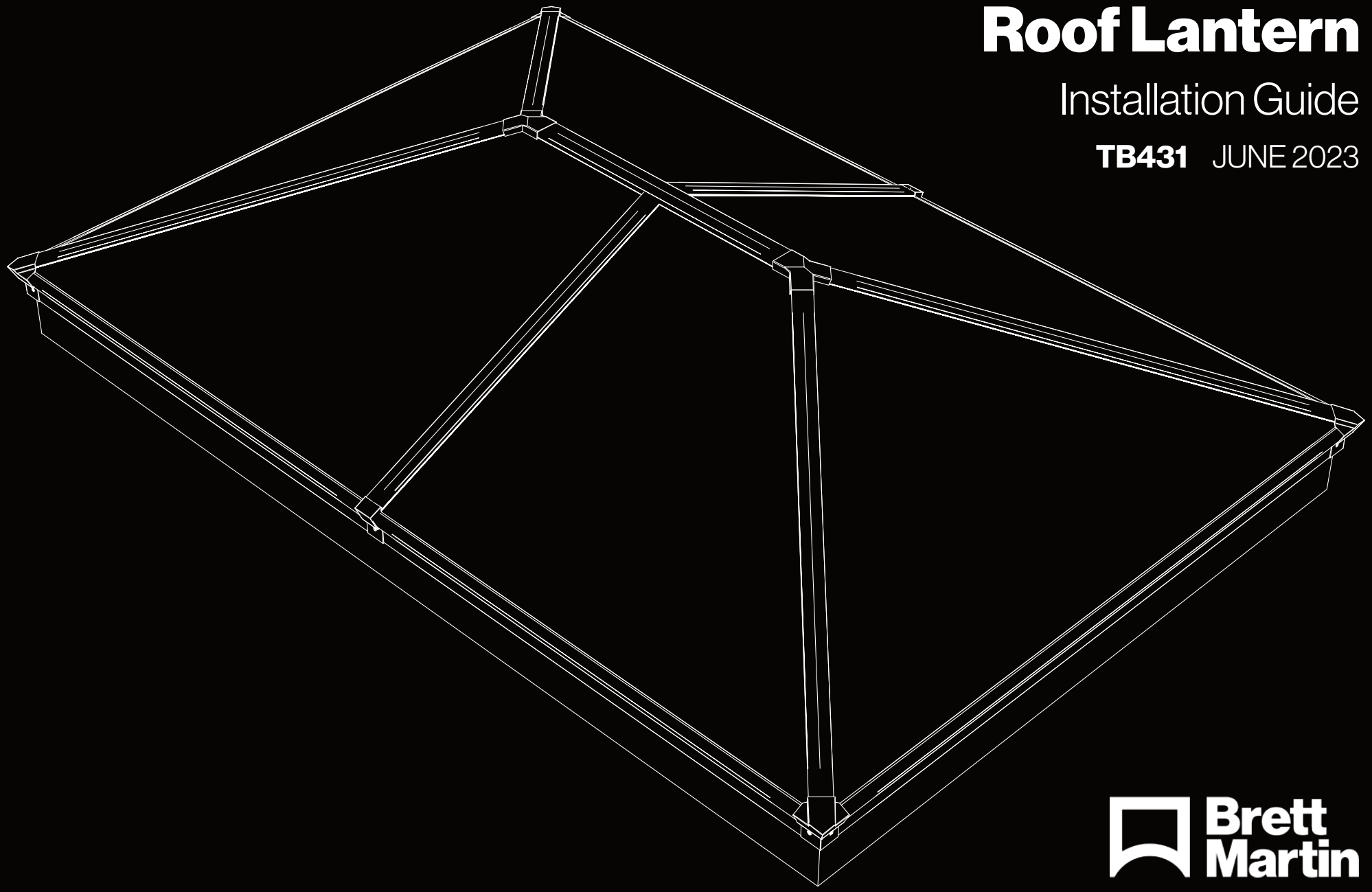
# Roof Lantern

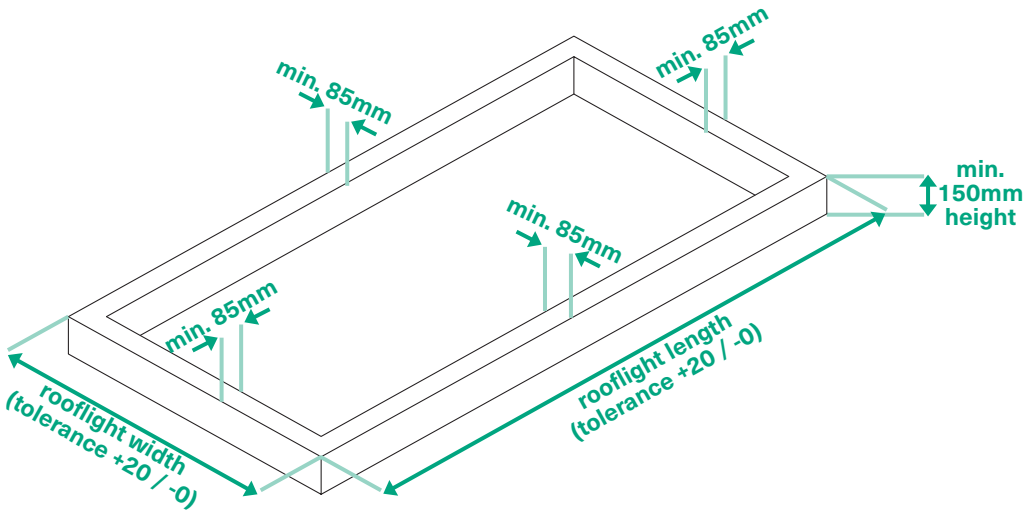
## Installation Guide

**TB431** JUNE 2023

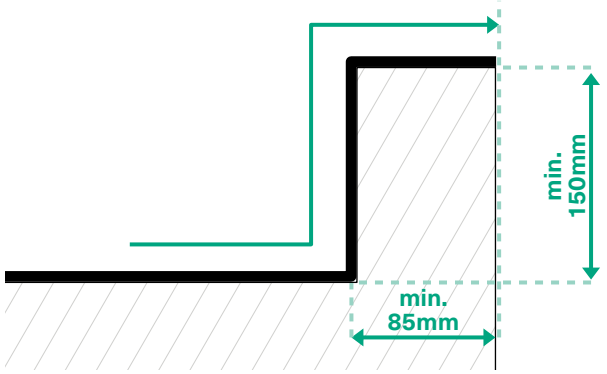


Brett Martin

# Upstand Requirements

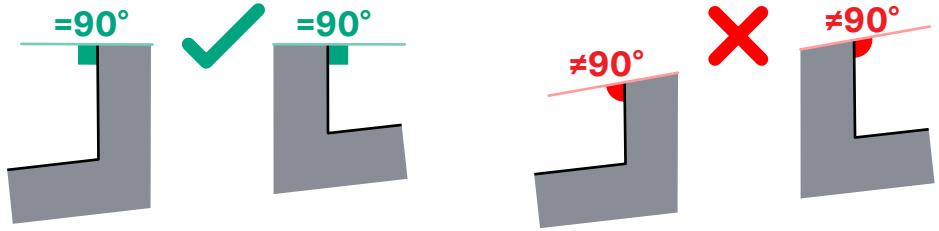



Construct finished, insulated and weathered builders upstand to dimensions above. Roof covering must cover **side and top** of insulated upstand in accordance with manufacturer's installation recommendations.




NB there should be no excessive build up of layers, the top surface should be level and free from protrusions or projections which may prevent adequate weatherproofing.

Brett Martin Roof Lantern rooflights are intended for installation onto a fully weathered and insulated builders upstand on flat and low pitch roofs. The surface of flat roofs normally require some degree of pitch to ensure adequate water runoff. For aesthetic reasons we recommend that the upstand is built with 0° pitch i.e. not parallel with the pitched roof surface. The rooflight can accommodate being installed on an upstand with a pitch of up to 5° but please note that this will likely result in a 'lopsided' appearance.



# Health & Safety

**Warning: this product is designed for installation by professional roofing installers, who are responsible for establishing a safe method of work. All risks involved, including those involved in roof access and working around (and if necessary across) an open roof aperture must be assessed, and suitable precautions taken to minimise those risks, with a safe method of work established and documented for each project.**

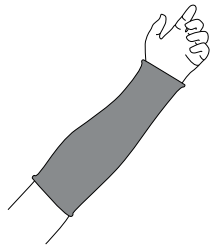
Instructions must be followed **carefully** and in the correct order otherwise warranty may be invalidated.

**IMPACT DRIVERS MUST NOT BE USED**

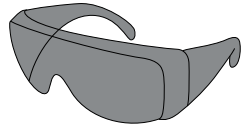
# Safety Equipment Required

Safety Gloves
Cut level 5 or E gloves

Required as per following standards
EN 288; EN ISO 21420

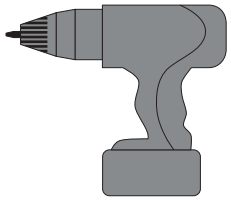


Cut Resistant
Sleeves



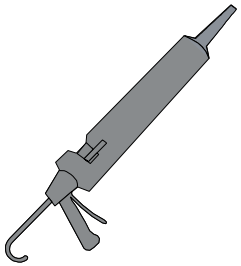
Safety Glasses

# Tools Required

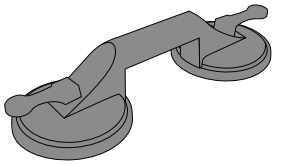


Electric
Screwdriver

NO IMPACT DRIVERS

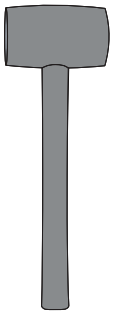


Sealant



Glass Sucker(s)

Recommended for
larger sizes

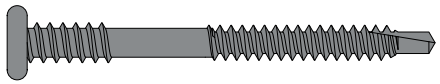


Rubber Mallet

# Contents

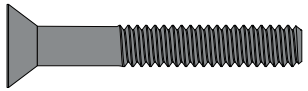
## **Components Box** (only use fixings supplied)

30 x
55mm Kerb Screws



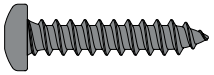
8 x
M6x40mm
Kerb Bolts

4 x
M6x40mm
Ridge Bolts

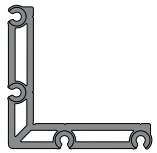


2 x
M6x25mm
Clamp Bolts

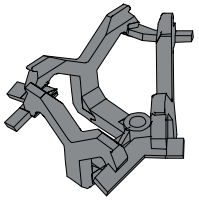
8 x
No. 10x25mm
Cover Screws



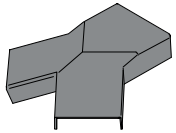
16 x
M6x10mm
Cleat Bolts



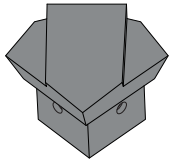
8 x
Corner Cleat



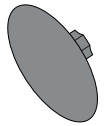
2 x
Glazing Clamp



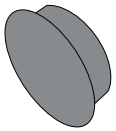
2 x
Ridge Cap



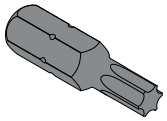
4 x
Hip Cap



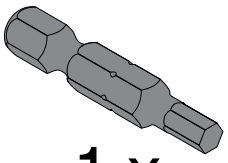
30 x
Kerb Screw Cap



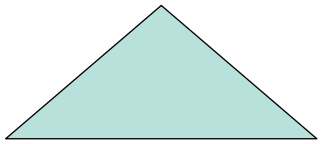
8 x
Bolt Cap



1 x
T-25 Torx
Driver Bit

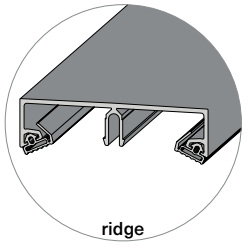


1 x
4mm Hex
Driver Bit

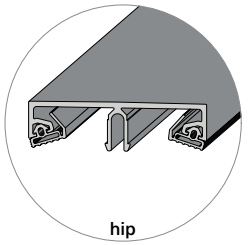


2 x
Glass Triangle

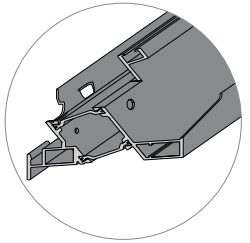
2 x
Glass Trapezium
(4 pane option only)



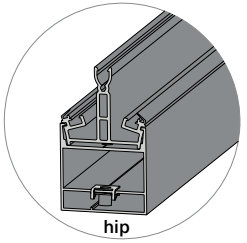

1 x
Ridge Outer



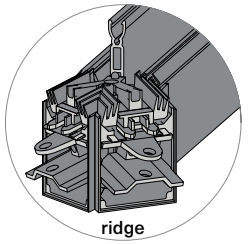

4 x
Hip Outer



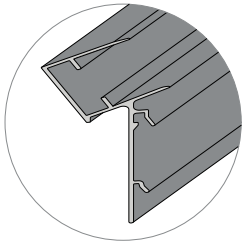
4 x
Kerb Bar




4 x
Hip Inner




1 x
Ridge Inner

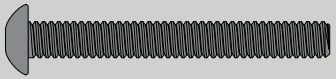


4 x
Glass Stop

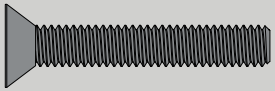
# Additional contents - 6 pane option only

## Components Box

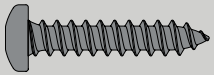
+ 2
M6x40mm
Kerb Bolts

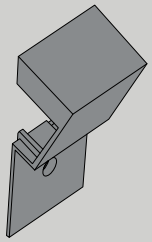


2 x
M6x35mm
Ridge Bolts

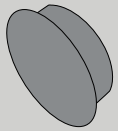


+2
No. 10x25mm
Cover Screws

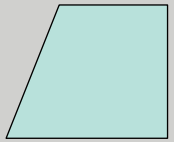




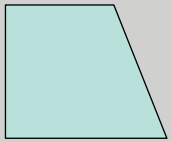
2 x
Rafter Cap



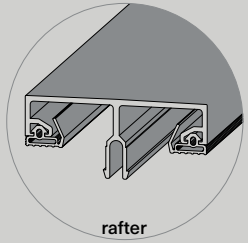
+ 2
Bolt Cap



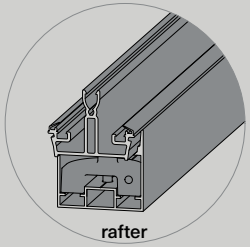
2 x
Left Glass Trapezium



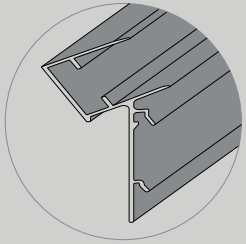
2 x
Right Glass Trapezium




2 x
Rafter Outer




2 x
Rafter Inner

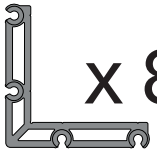


+ 2
Glass Stop

# 1. Assemble base frame

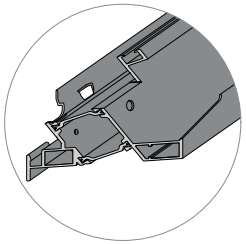
x 16

M6x10mm
Cleat Bolts



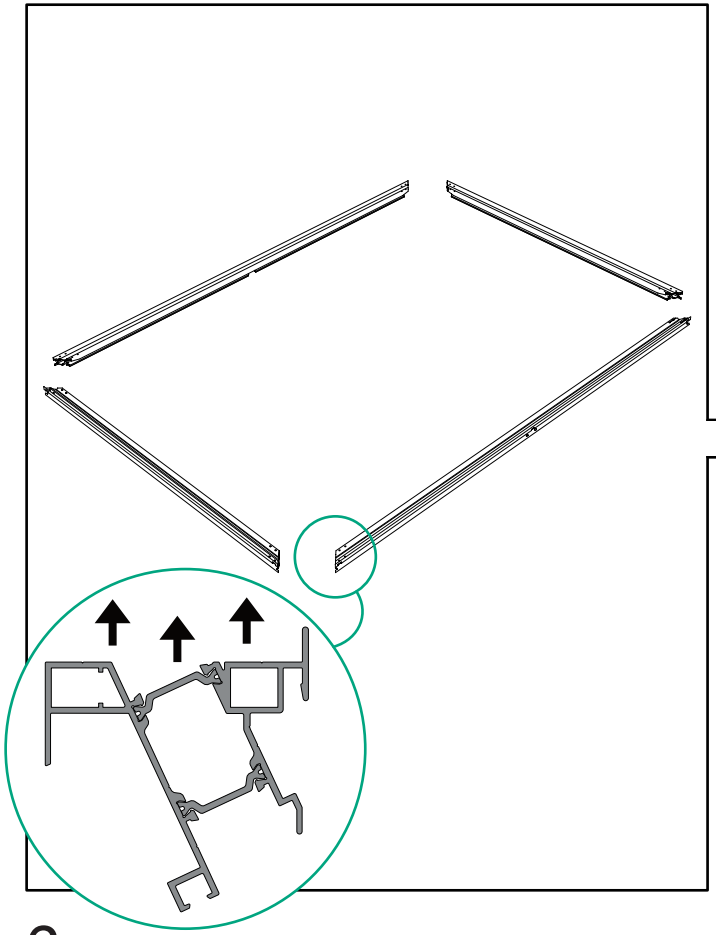
x 8

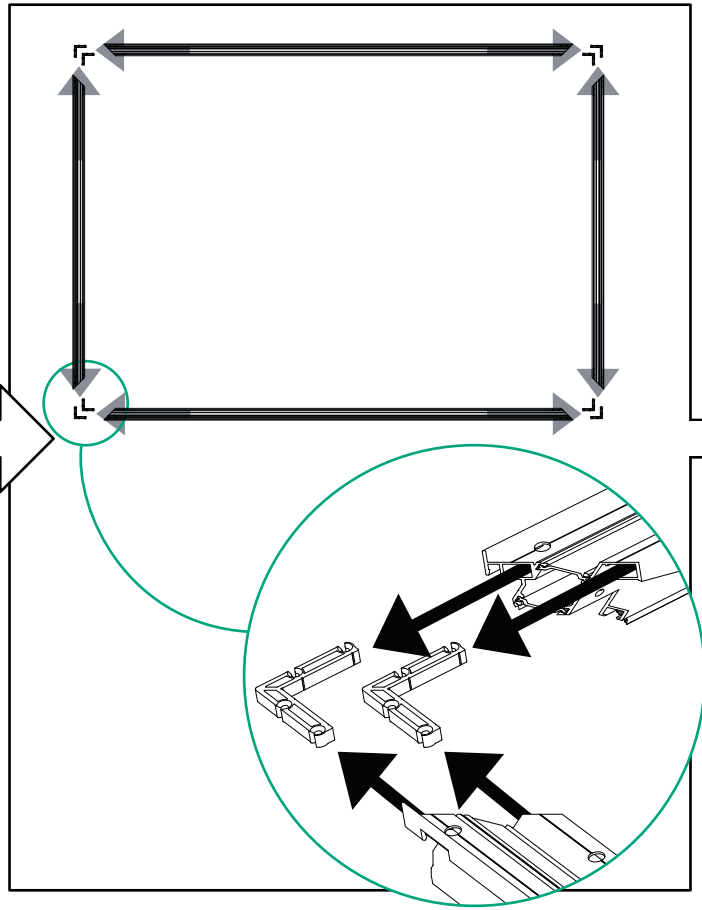
Corner Cleat

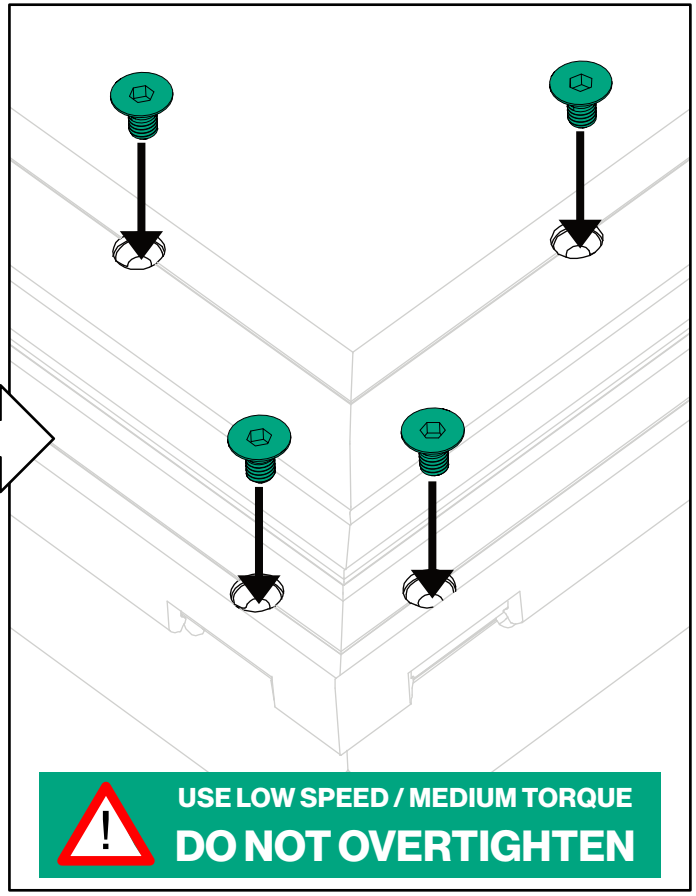


x 4

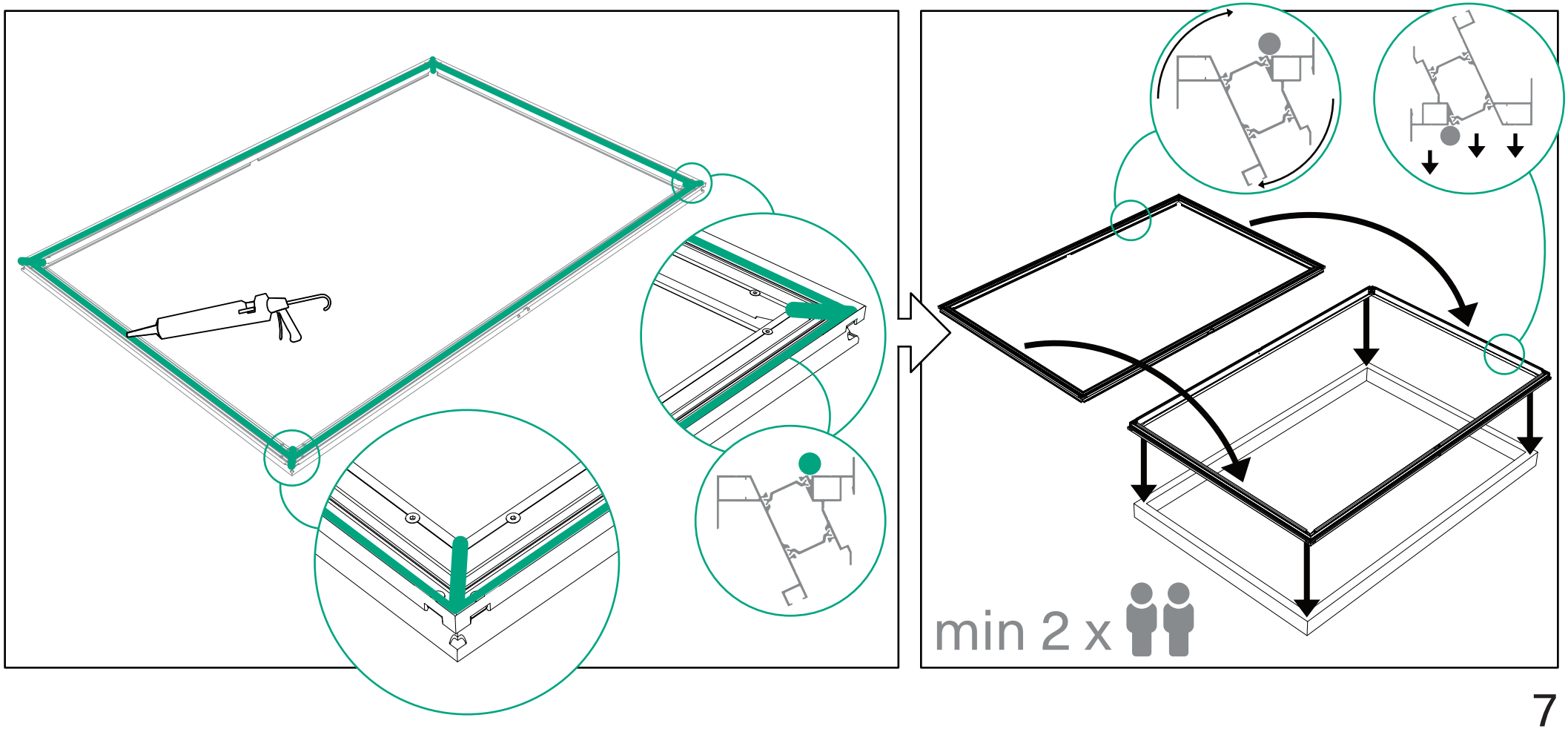
Kerb Bar



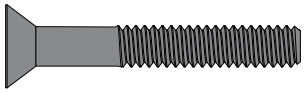




# 2. Apply sealant then rotate and position frame on upstand

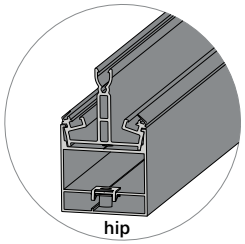


# 3. Connect spider frame



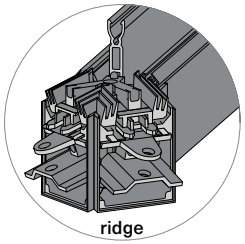
x 4

M6x40mm
Ridge Bolts



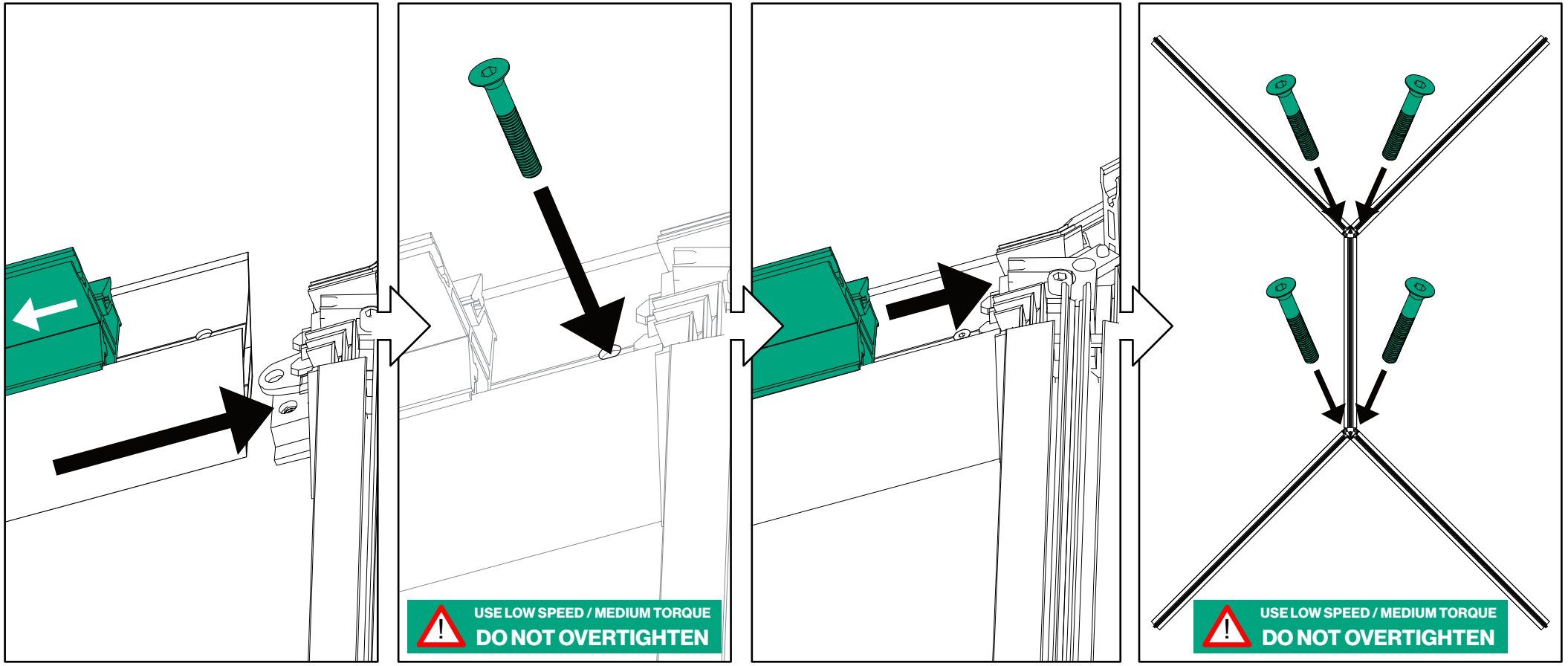

x 4

Hip Inner

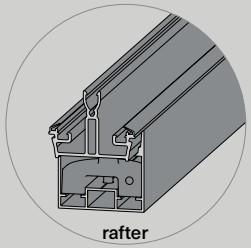



x 1

Ridge Inner

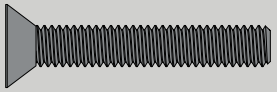


# 6 pane option only



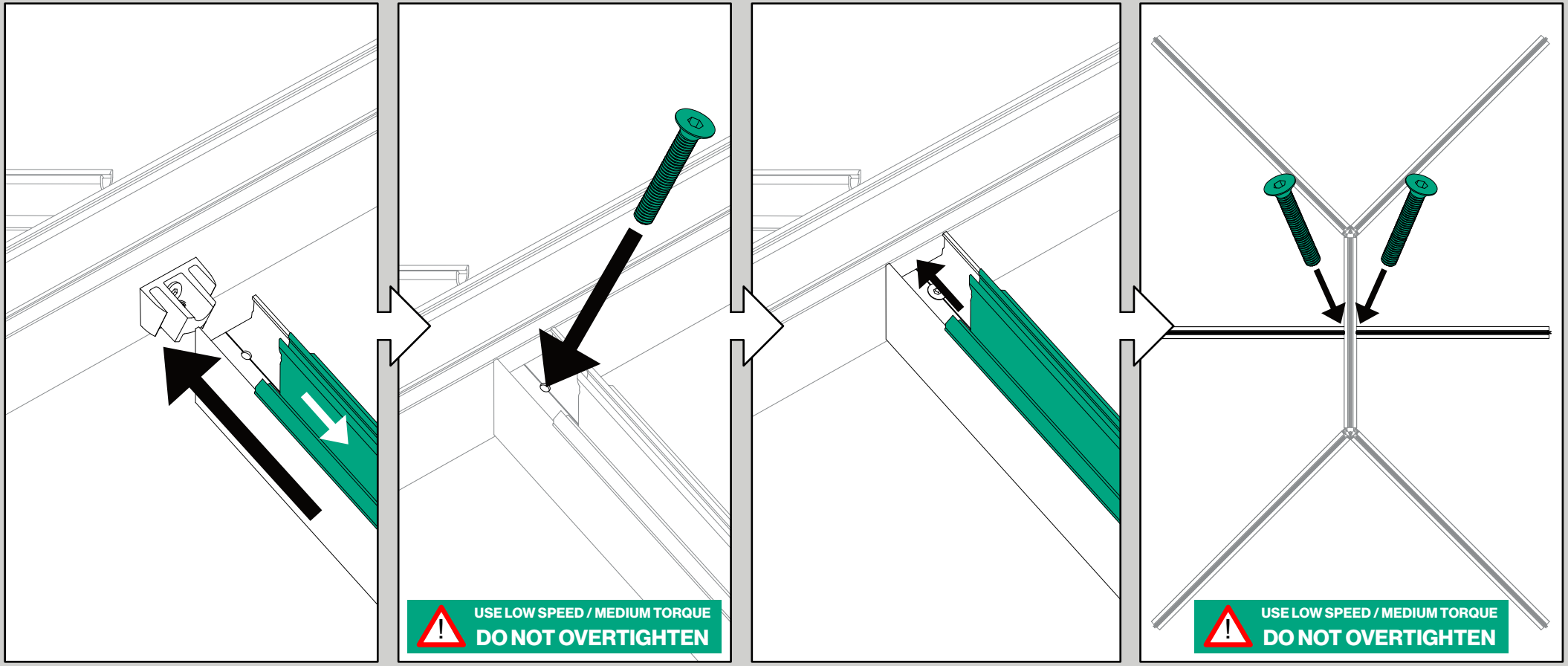

x 2

Rafter Inner



x 2

M6x35mm
Ridge Bolts

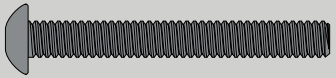


# 4. Fit spider frame to base frame

x 8

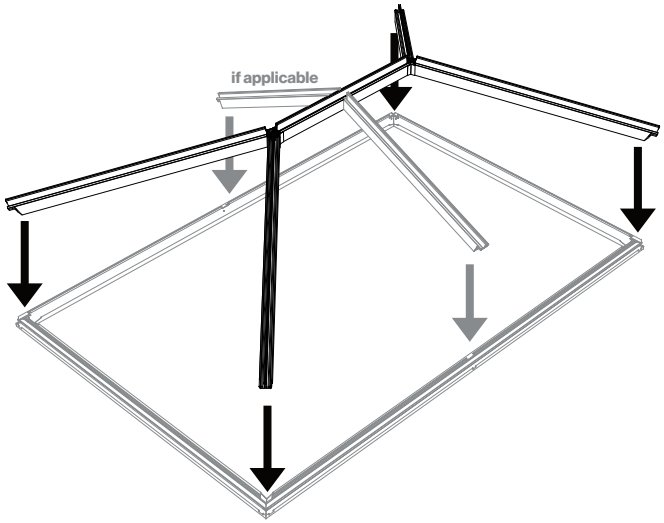
M6x40mm
Kerb Bolts

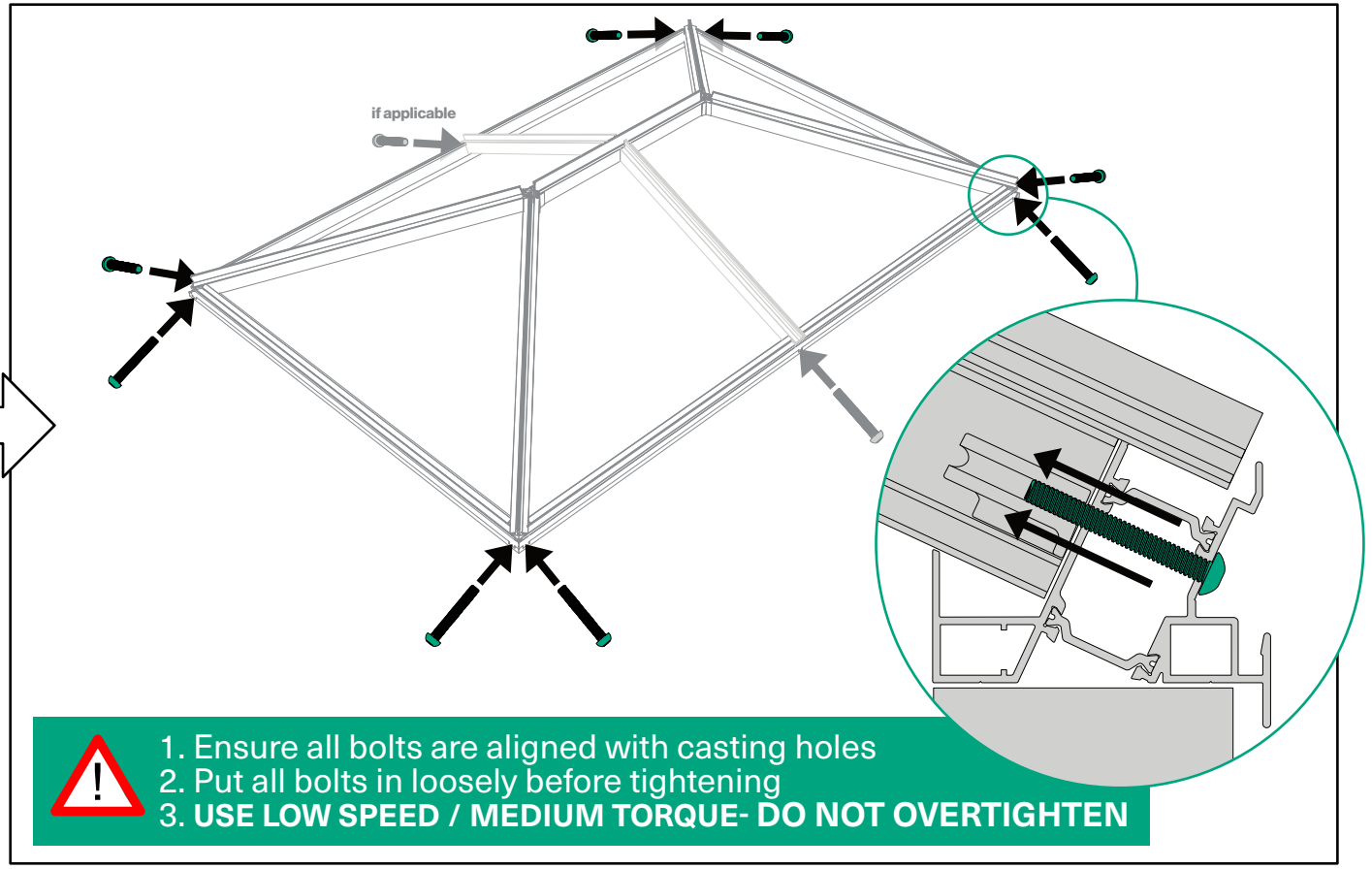
**6 pane option only**



+ 2

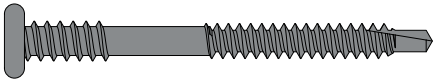
M6x40mm
Kerb Bolts



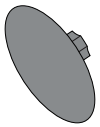

1. Ensure all bolts are aligned with casting holes
2. Put all bolts in loosely before tightening
3. **USE LOW SPEED / MEDIUM TORQUE- DO NOT OVERTIGHTEN**

# 5. Fix unit to upstand through pre-drilled holes



x 30

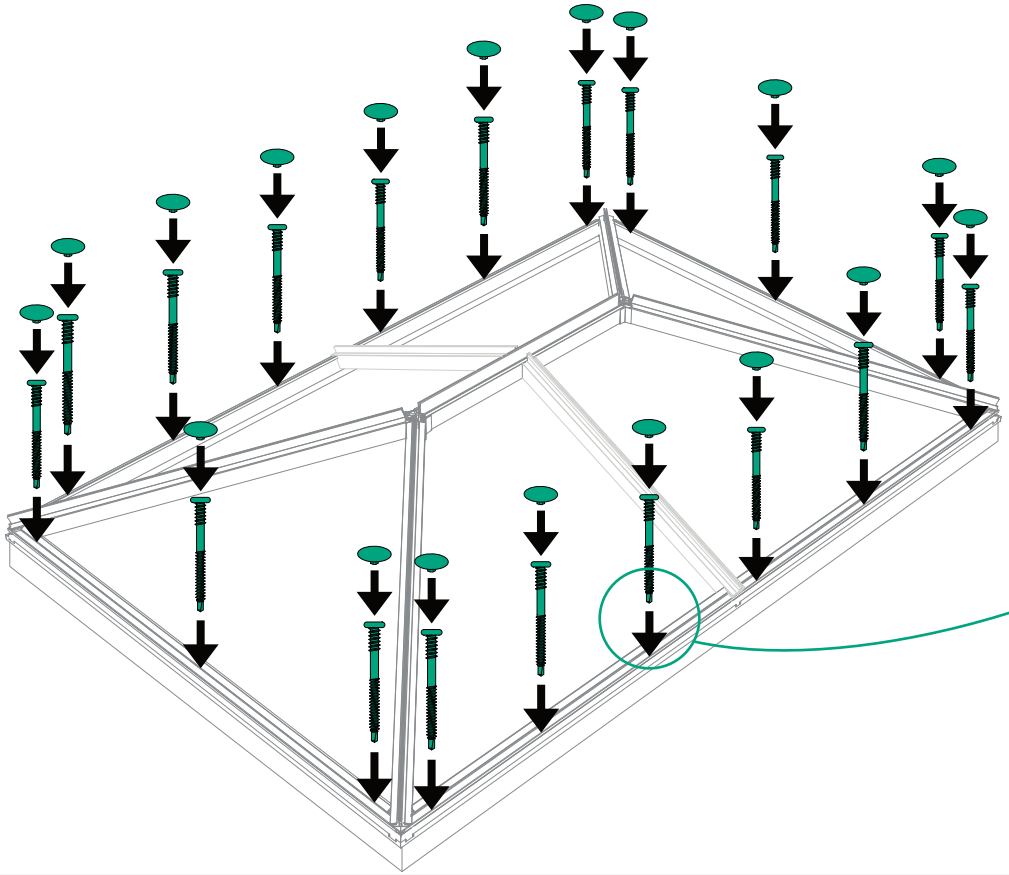
55mm Kerb Screws

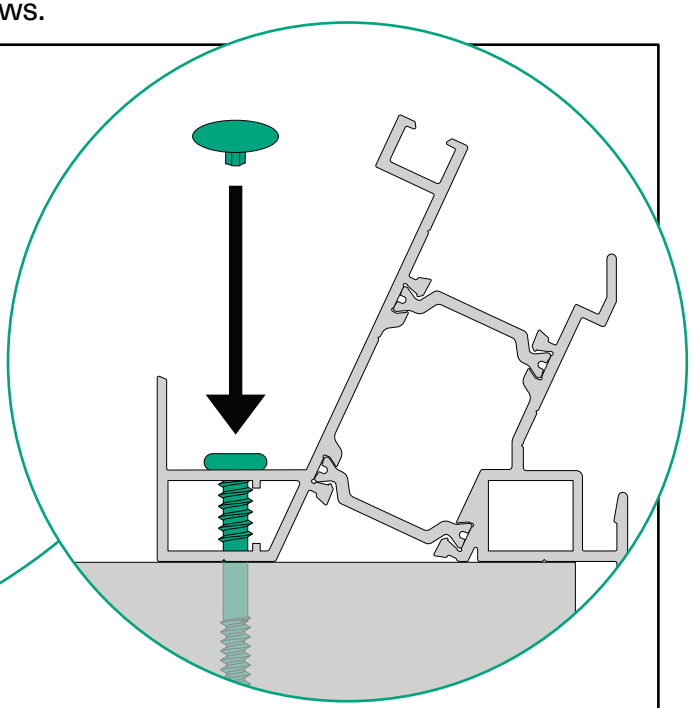


x 30

Kerb Screw Cap

N.B. Roof Lantern is supplied with the maximum fixings required. Smaller sizes will have surplus screws.



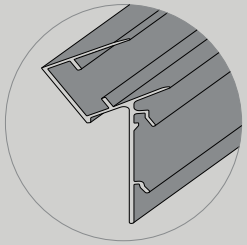


**USE HIGH SPEED / MEDIUM TORQUE**

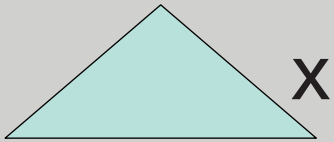
**DO NOT OVERTIGHTEN**

# 6. Prepare glass

**4 pane option only**



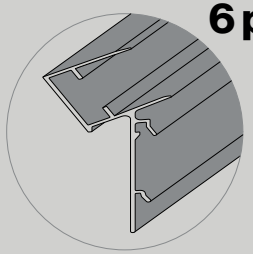
x 4
Glass Stop



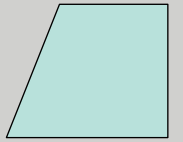
x 2
Glass Triangle

x 2
Glass Trapezium

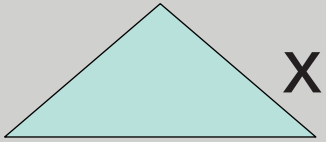
**6 pane option only**



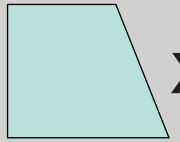
x 6
Glass Stop



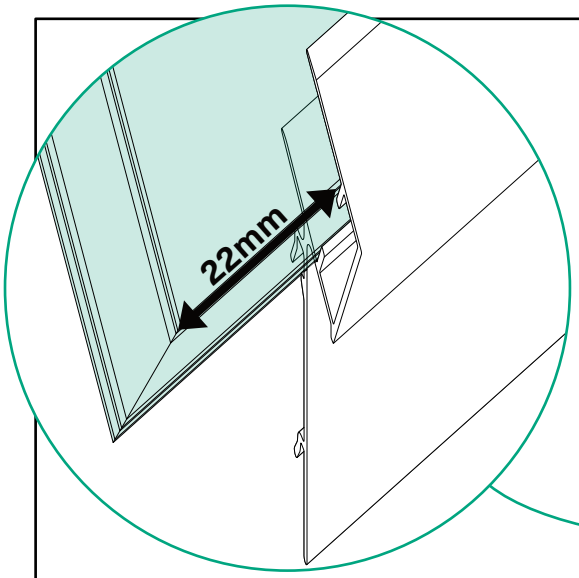
x 2
Left Glass Trapezium

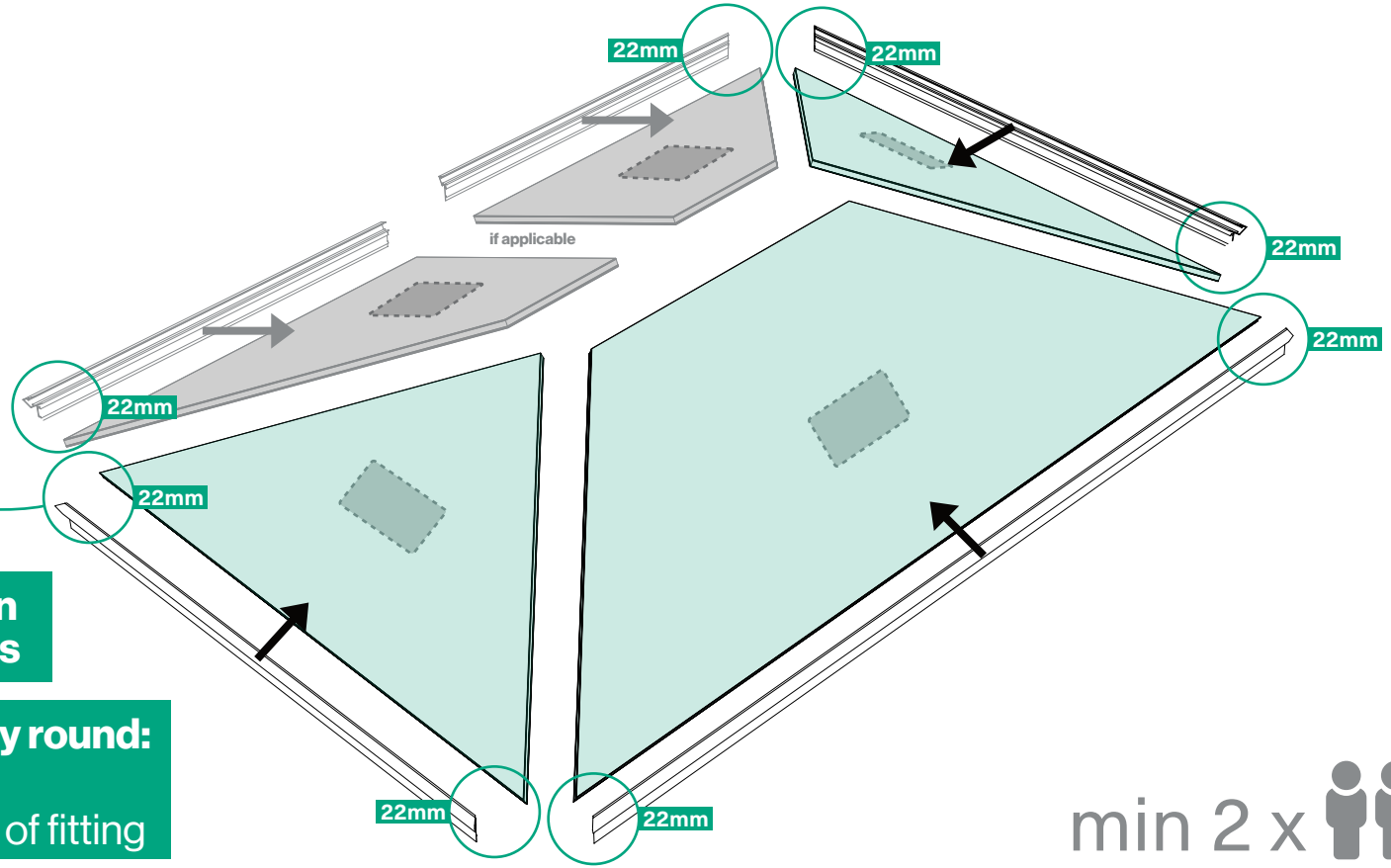


x 2
Glass Triangle



x 2
Right Glass Trapezium



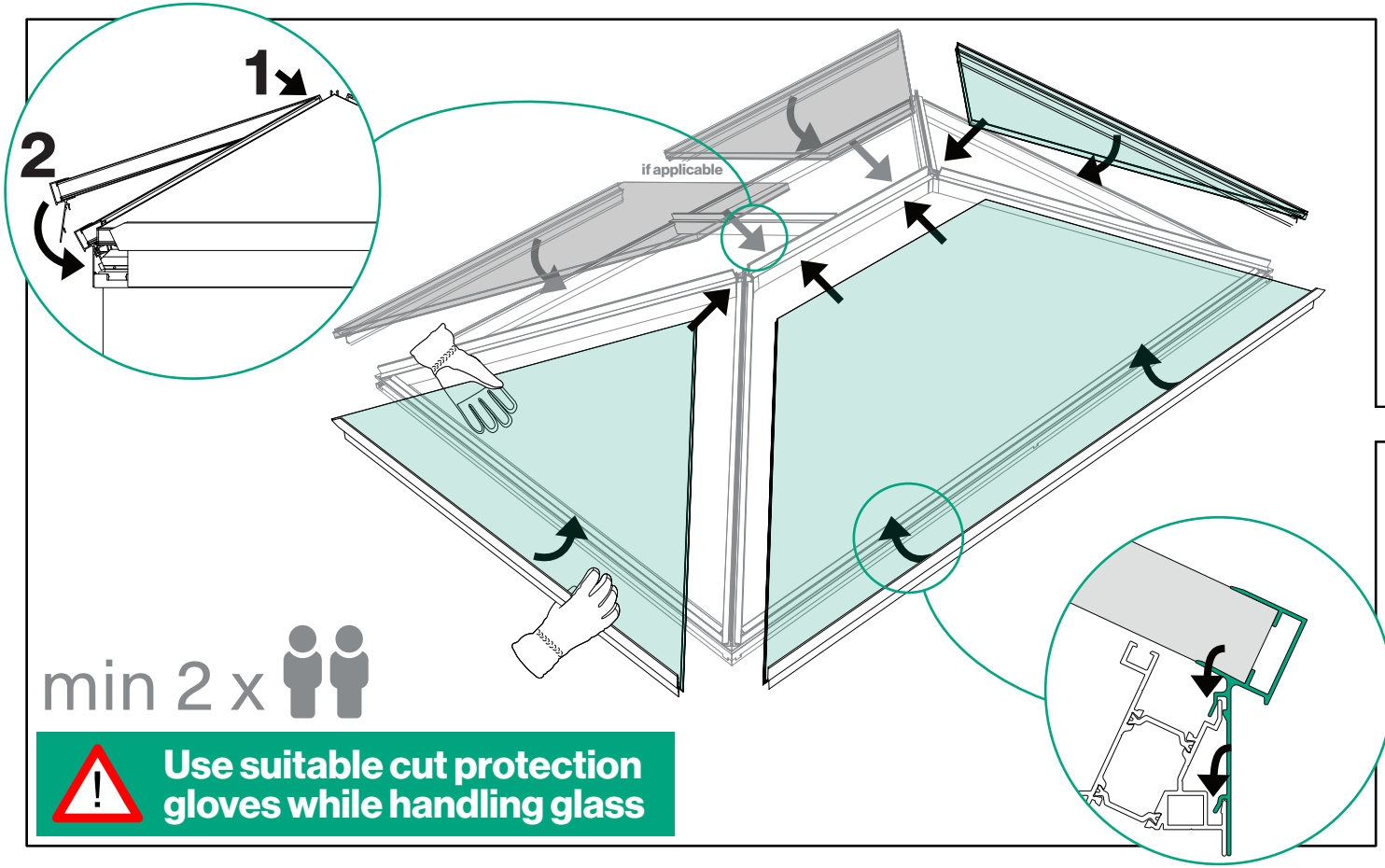

**Use suitable cut protection gloves while handling glass**

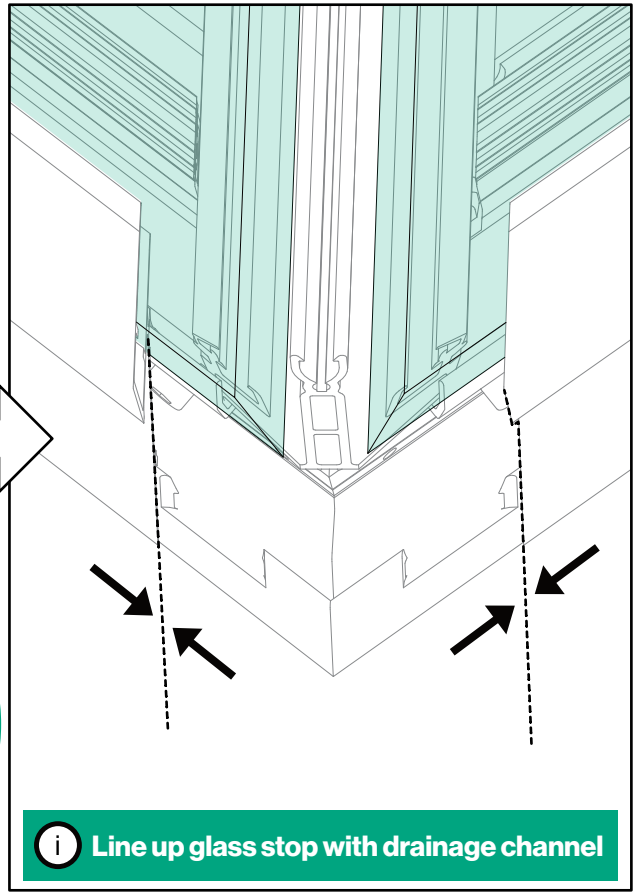
**Ensure glass is correct way round: labels to INSIDE of glass**

If necessary remove labels at point of fitting

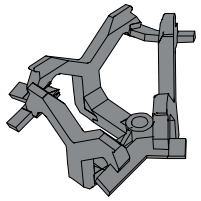
min 2 x

# 7. Fit glass to frame and align corners



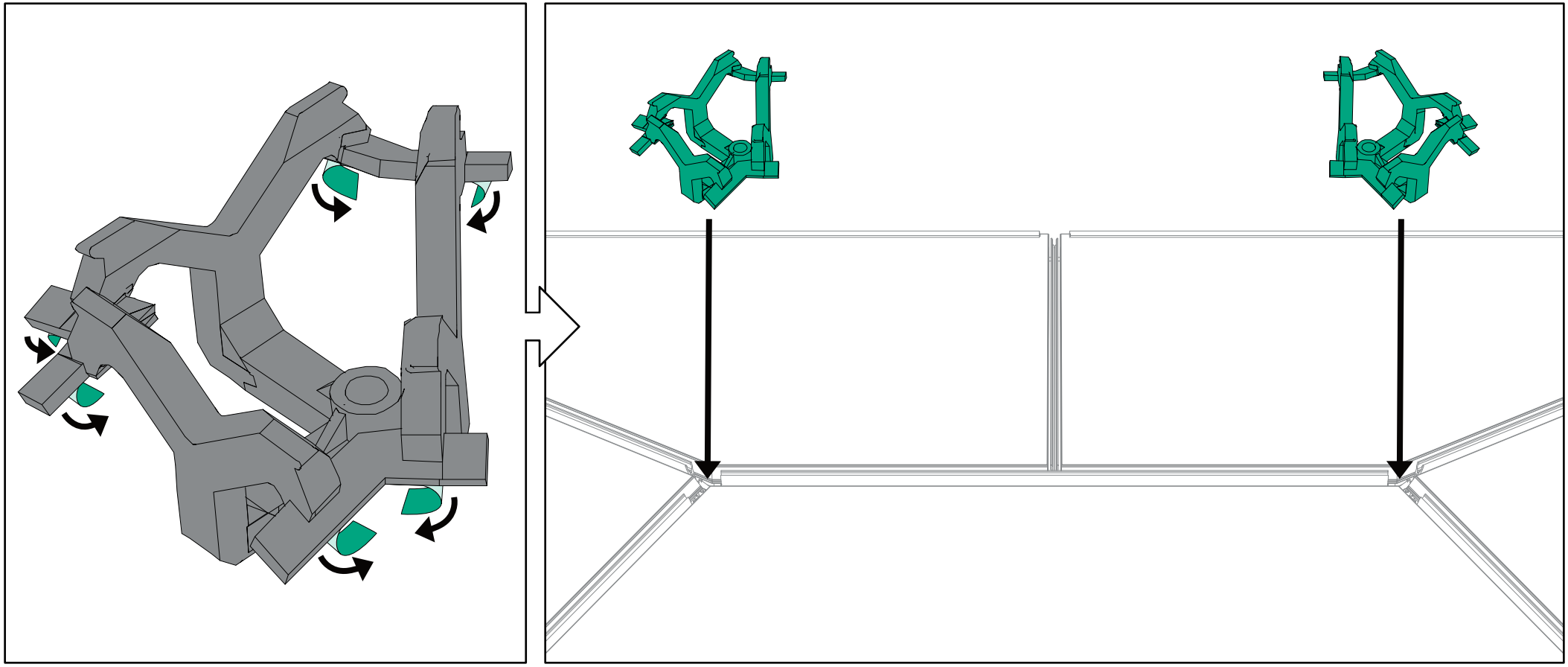



# 8. Peel tape and position glazing clamps

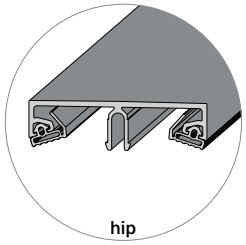


x 2

Glazing Clamp



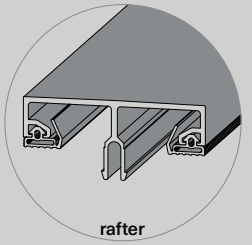
# 9. Align and clip on hip outers (and rafter outers for 6 pane option)




x4

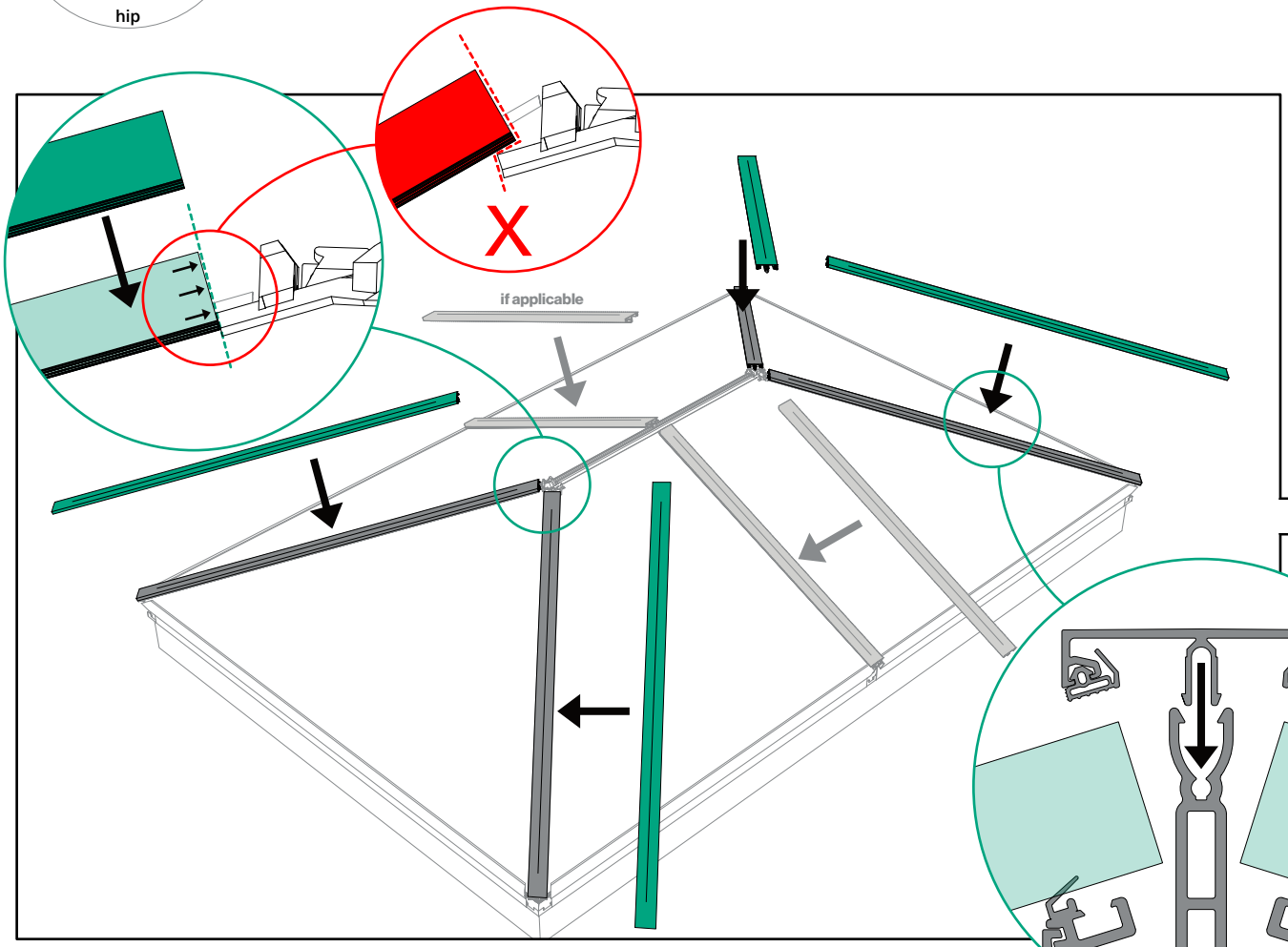
Hip Outer

**6 pane option only**

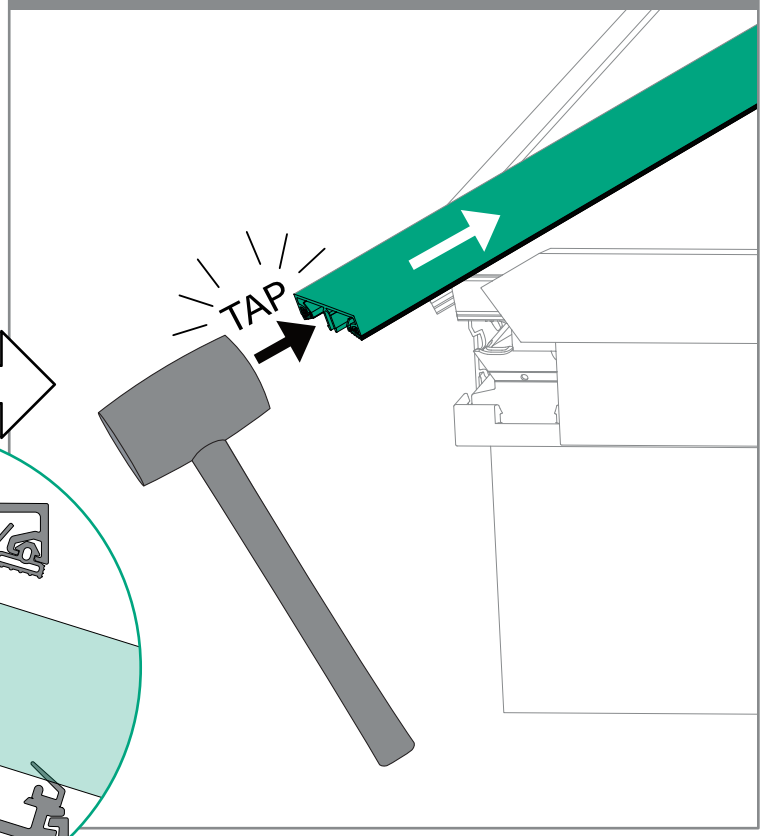



x 2

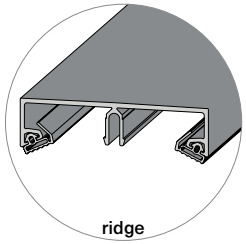
Rafter Outer




**If required**

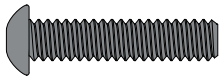


# 10. Align and clip on ridge outer then fix down glazing clamps



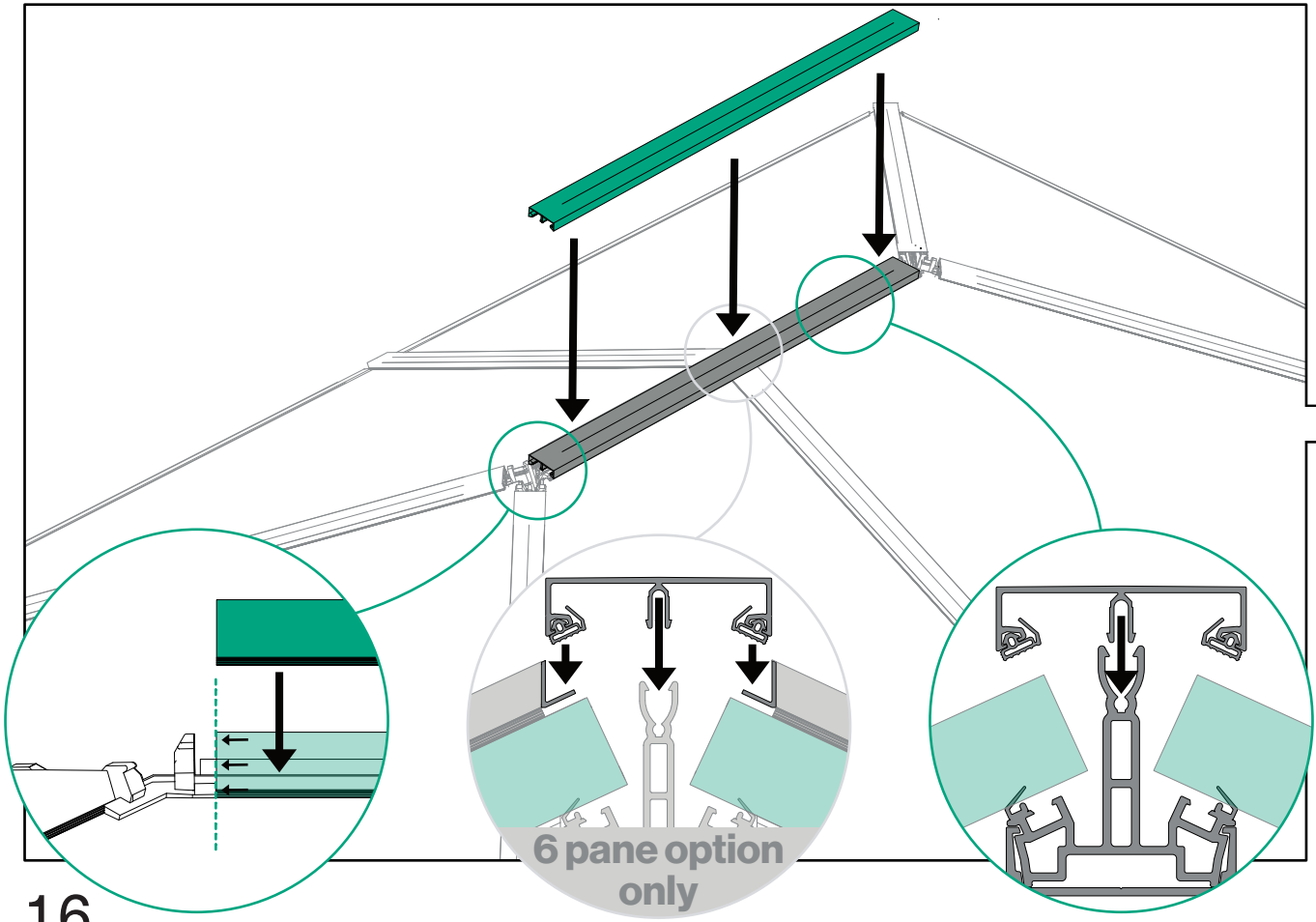

x 1

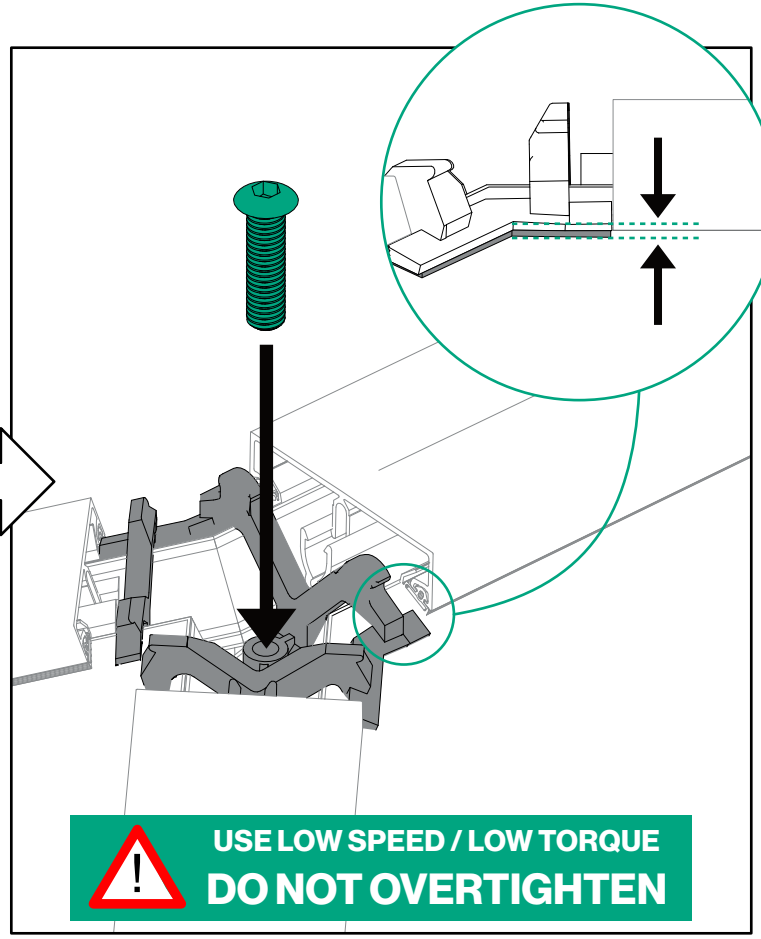
Ridge Outer



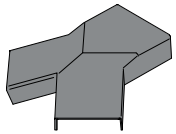
x 2

M6x25mm
Clamp Bolts



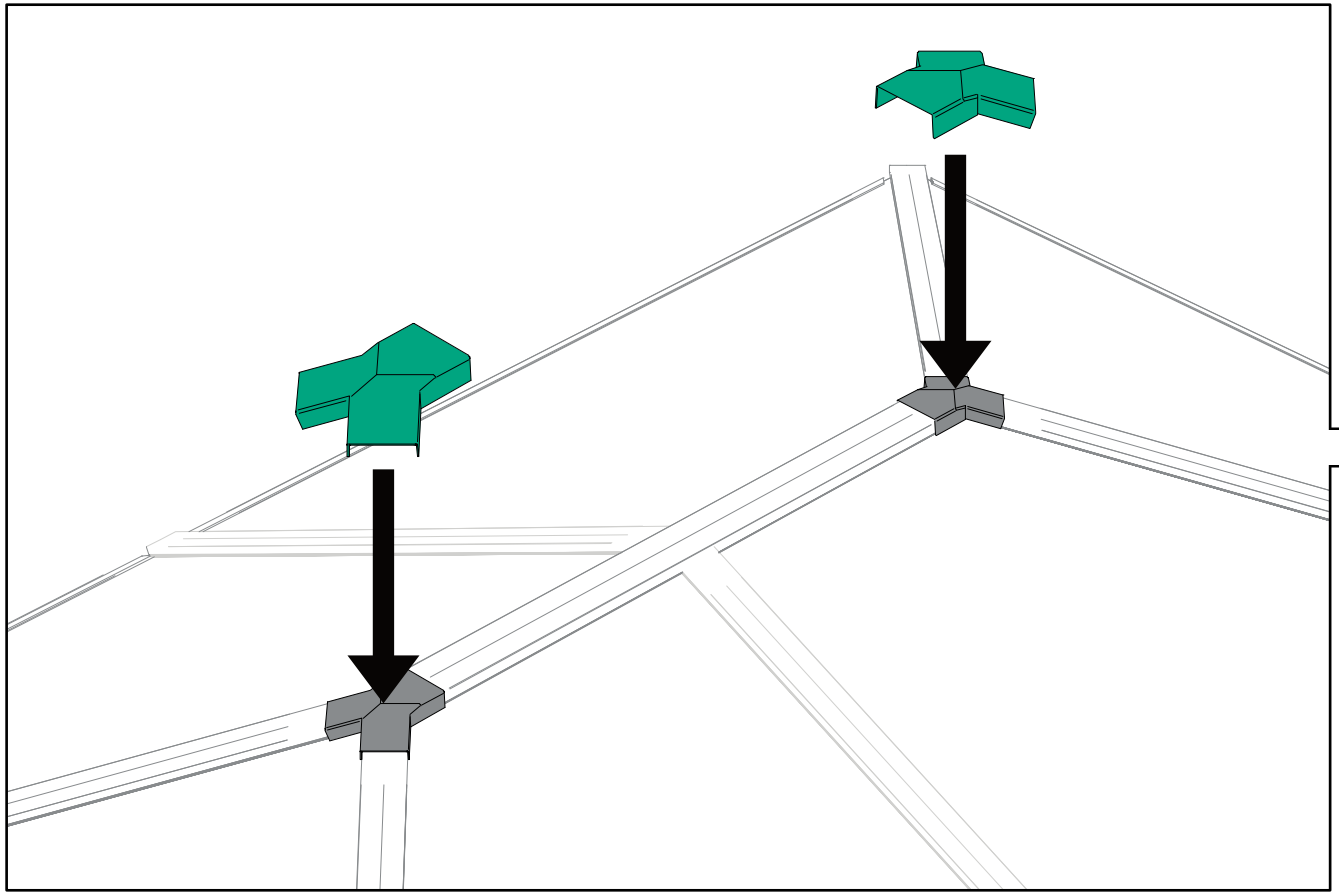



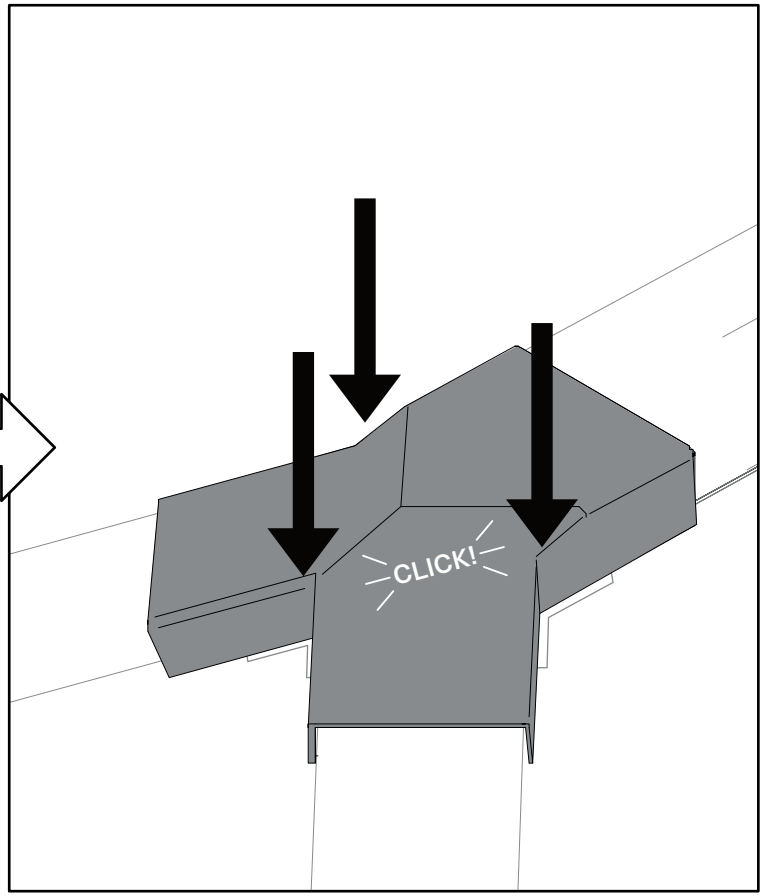
# 11. Clip on ridge caps



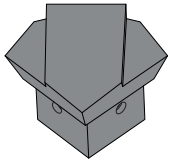
x 2

Ridge Cap



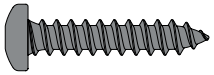


# 12. Attach hip caps



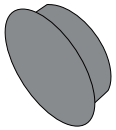
x 4

Hip Cap



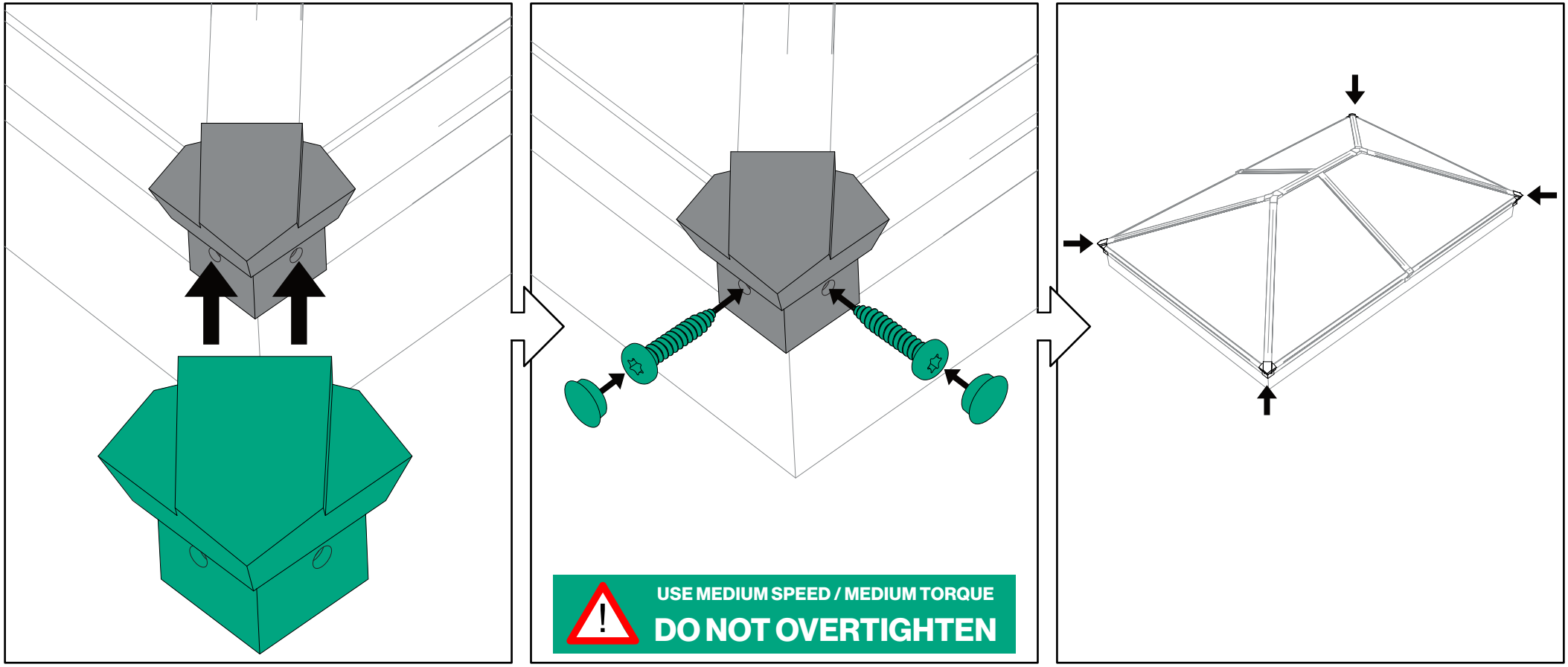
x 8

No. 10x25mm
Cover Screws

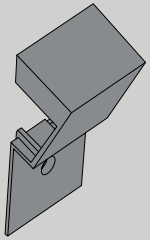


x 8

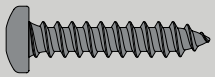
Bolt Cap



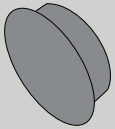
# 13. Attach rafter caps (6 pane option only)



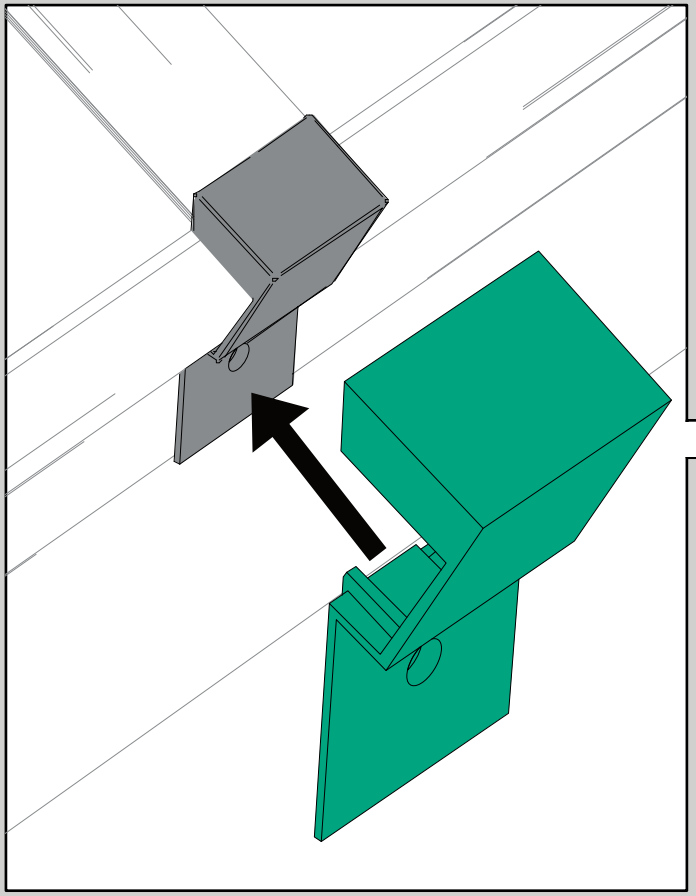
x 2
Rafter Cap

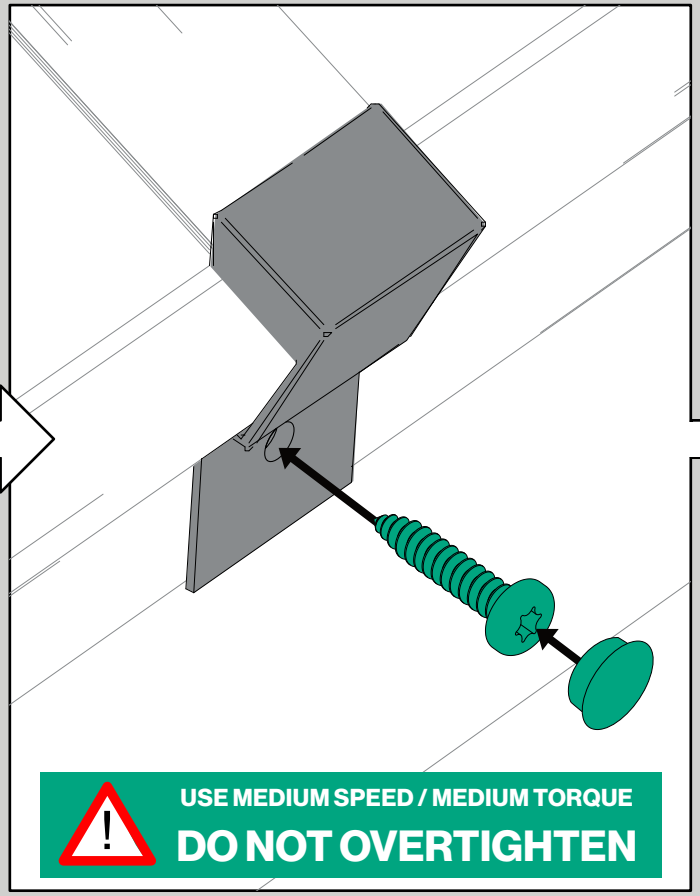


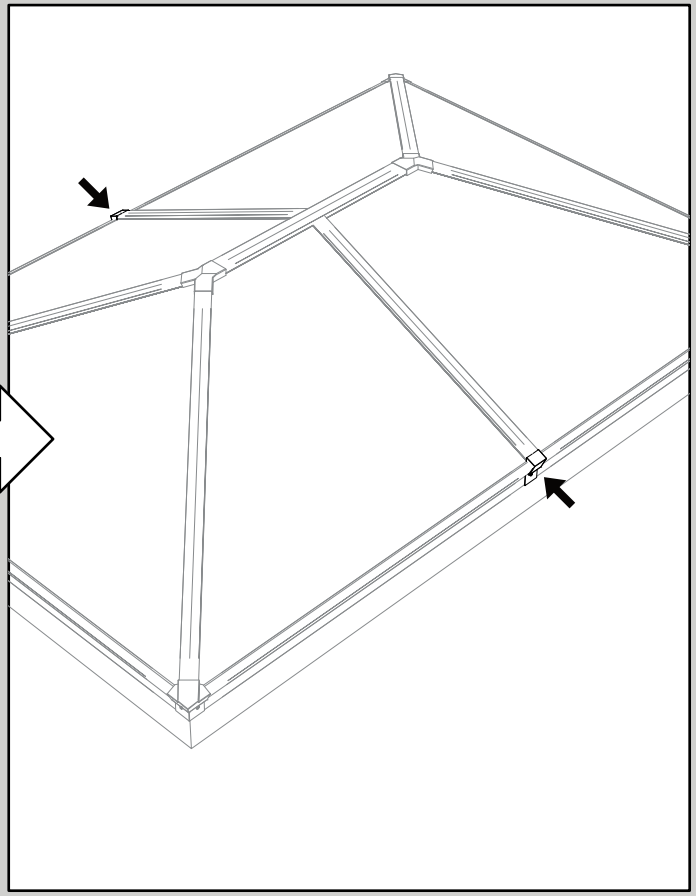
x 2
No. 10x25mm
Cover Screws



x 2
Bolt Cap





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