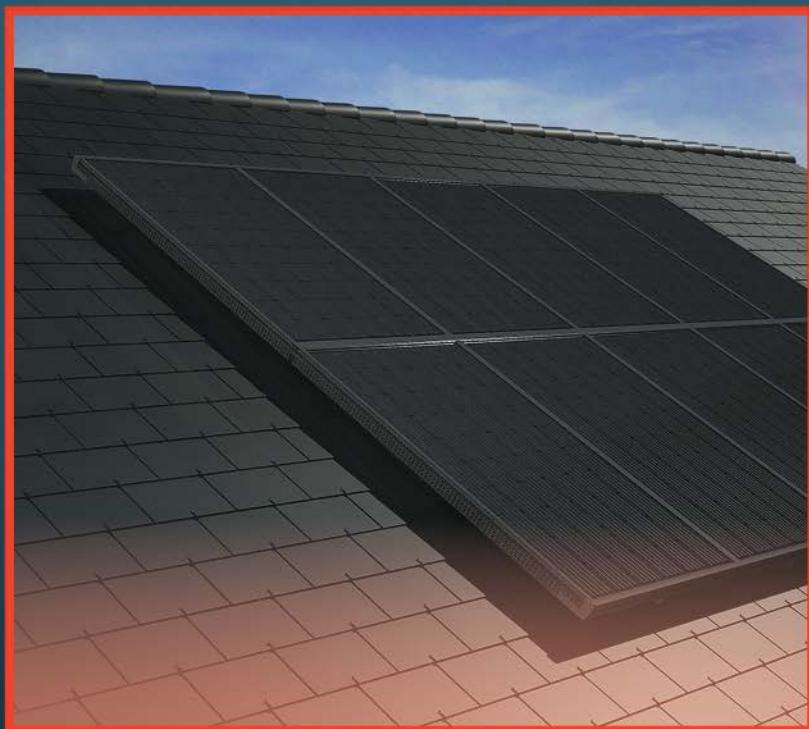




SYSTÈME SUR TOITURE

NOTICE D'INSTALLATION

MANUAL - ISTRUZIONI - ANLEITUNG - INSTRUÇÕES - INSTRUCTIES



V-SYS
SUR-TOITURE CERTIFIÉ

- INFORMATIONS

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POSE DES PANNEAUX EN TOITURE

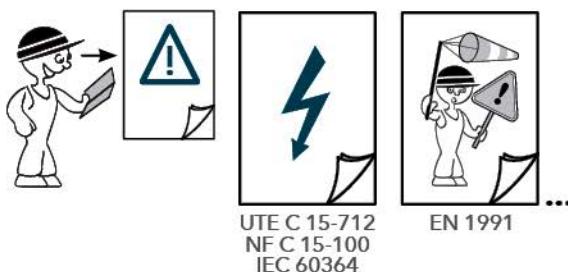
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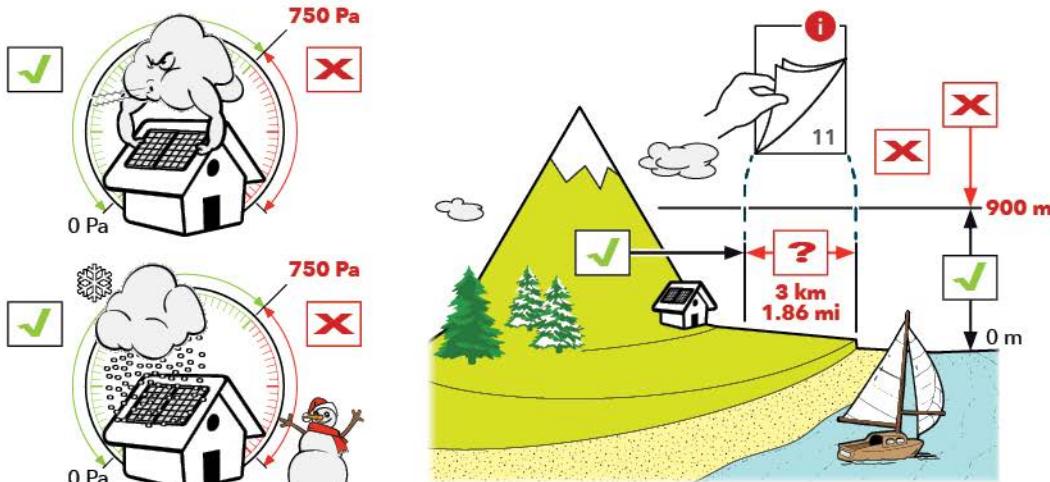
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Info : installateur

- FR - L'installation et la première mise en fonctionnement de l'appareil doivent être effectuées par un professionnel qualifié uniquement. Ce dernier est responsable de la conformité de l'installation et de la mise en fonctionnement selon la réglementation en vigueur.
- EN - The installation and commissioning of the unit must be performed only by a qualified professional. The latter is responsible for the compliance of the installation in accordance with the relevant regulations.
- DE - Das Gerät darf nur von einem qualifizierten Techniker installiert werden. Welches ist auch verantwortlich für die fachgerechte Installation und Inbetriebnahme
- NL - Het toestel mag enkel door een erkende technicus geïnstalleerd worden. Die is ook verantwoordelijk voor de deskundige installatie en ingebruikneming.
- IT - L'installazione dell'apparecchio deve essere eseguita esclusivamente da un tecnico abilitato a norma di legge. Questi si assume anche la responsabilità per l'installazione, la regolazione e la messa in servizio conformi alle norme.
- PT - Estes dispositivos devem ser instalados somente por um instalador autorizado responsável pelo cumprimento de todas as instruções, normas e orientações.





A vérifier auprès d'un Bureau d'Etude



To verify with an engineering consulting firm

Mit einem Technikberatungsunternehmen nachzuprüfen

Om na te gaan of met een engineering adviesbureau

A verificare vicino ad un ufficio di studio

Verificar com uma engenharia empresa consultora

à titre indicatif : Se référer aux normes en vigueur du pays.

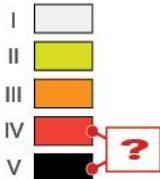
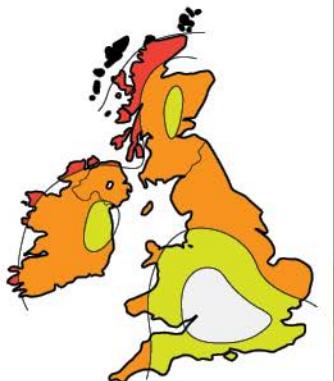
for information : Refer to the current standard of the country.

zur Information : Beachten Sie die aktuelle Standard des Landes.

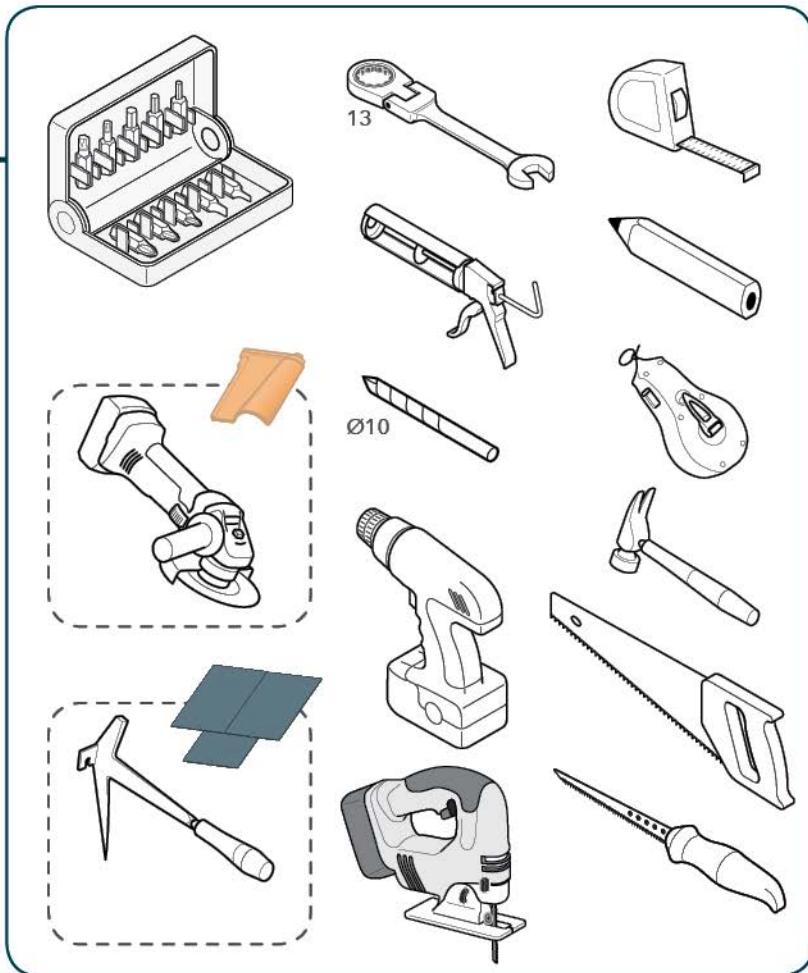
ter informatie : Verwijzen naar de huidige standaard van het land.

per informazioni : Fare riferimento alla norma in vigore nel paese.

para informação : Consultar a norma actual do país.



i  Info : outillage



 SYSTOVI®

QE18

MA28

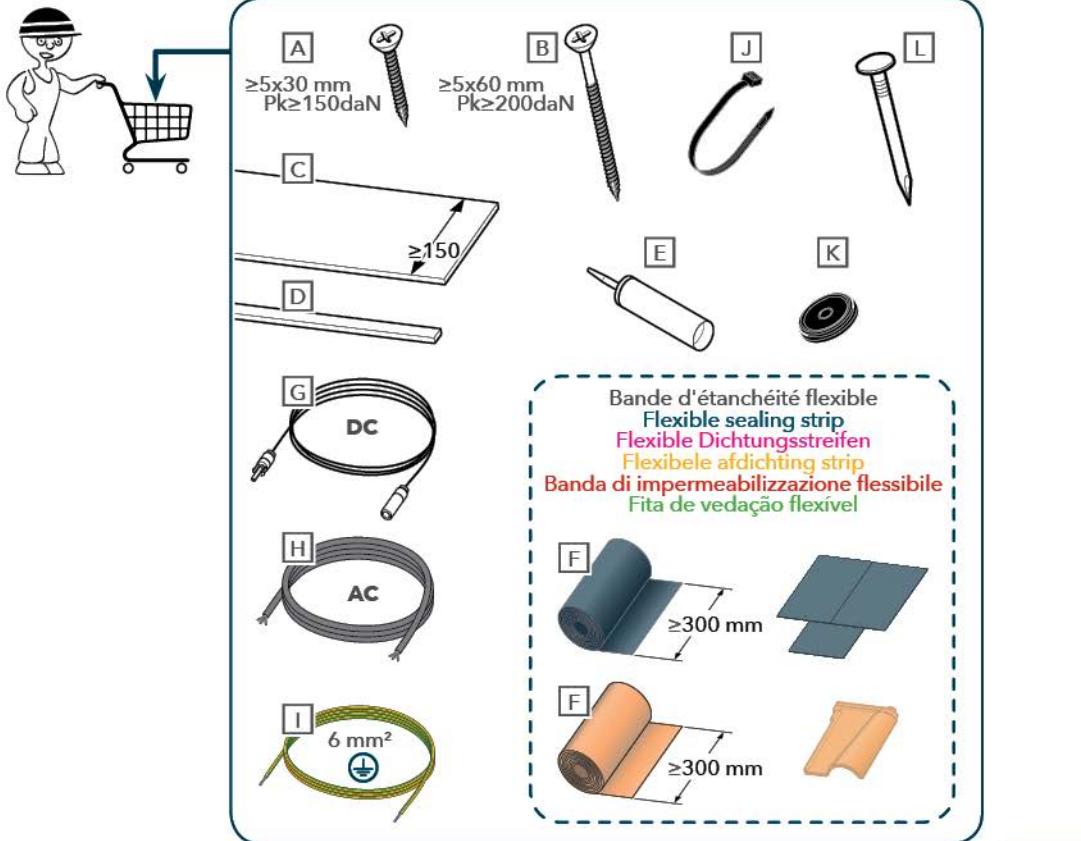


i -  - Info : document

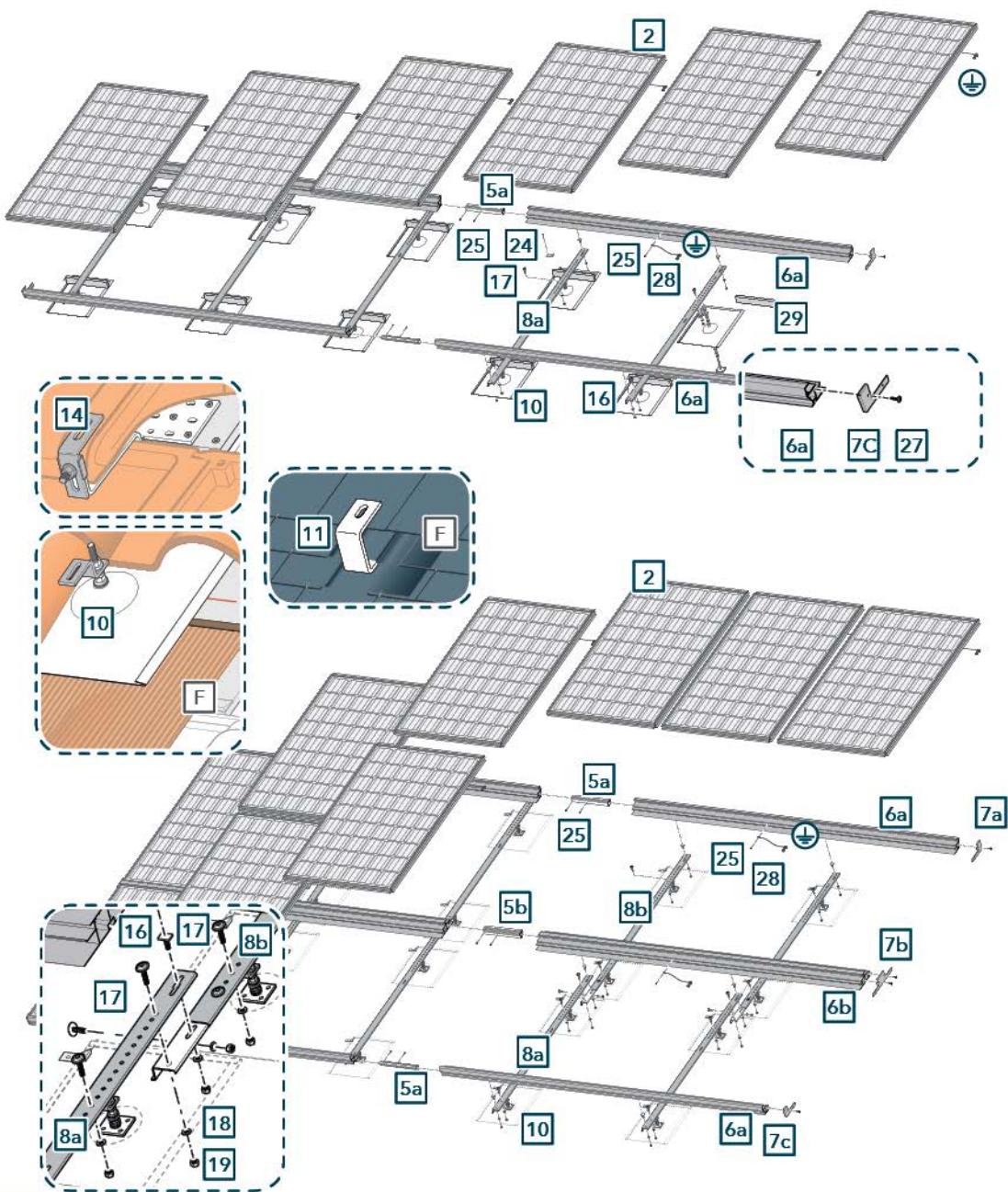
← mm → 1 2 ... 1 2 3 4 ... 1 2 3 4 ...

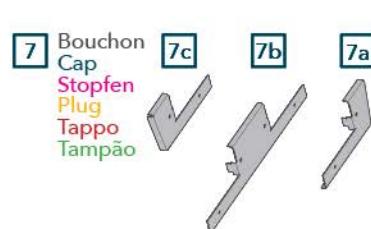
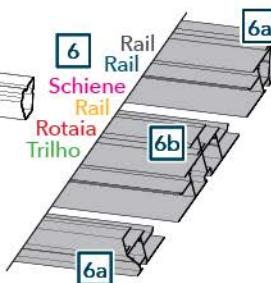
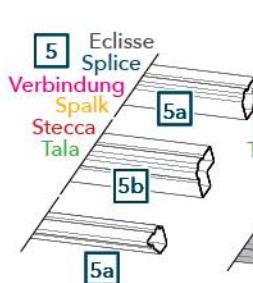
millimètre	étapes	sous-étapes	ordre de montage
millimeter	steps	sub-steps	mounting order
Millimeter	Schritte	Unterstritte	steigende Ordnung
millimeter	stappen	substappen	bevestiging bestelling
millimetro	tappe	sotto tappe	ordine che monta
milímetro	fases	debaixo de fases	ordem montando

i -  - Info : matériaux non fournis



i Constitution et composants du champs de panneaux V-SYS sur toiture



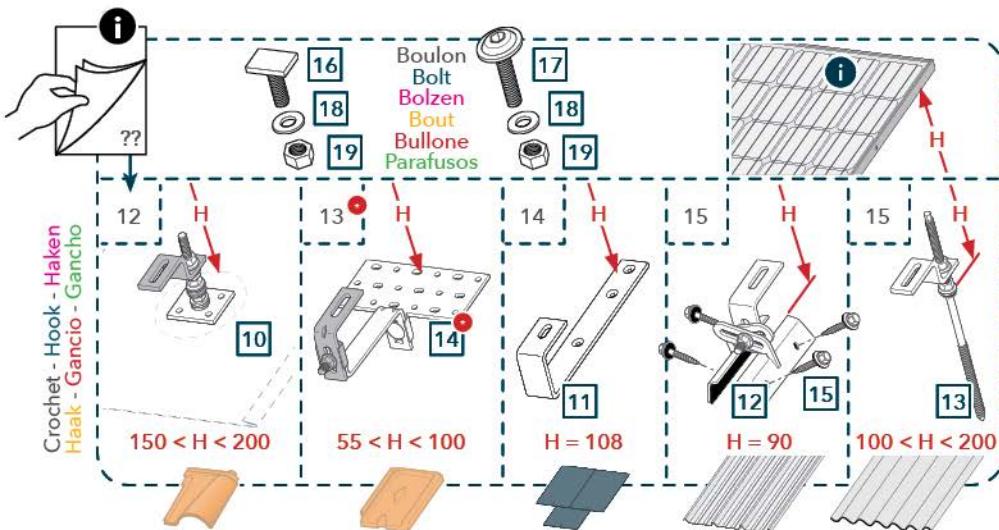


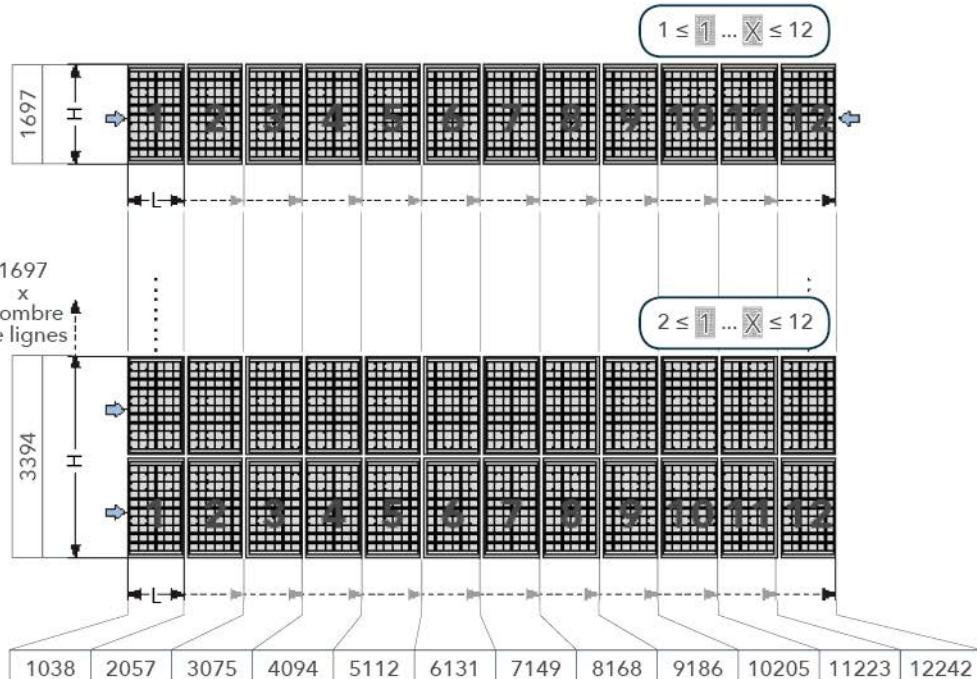
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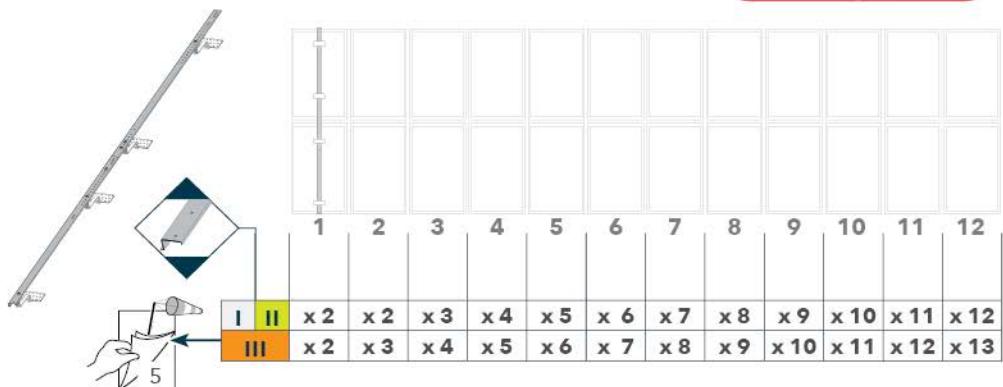
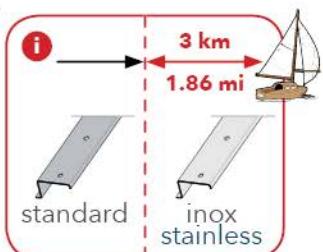
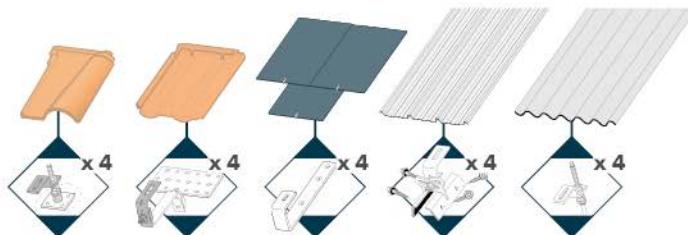
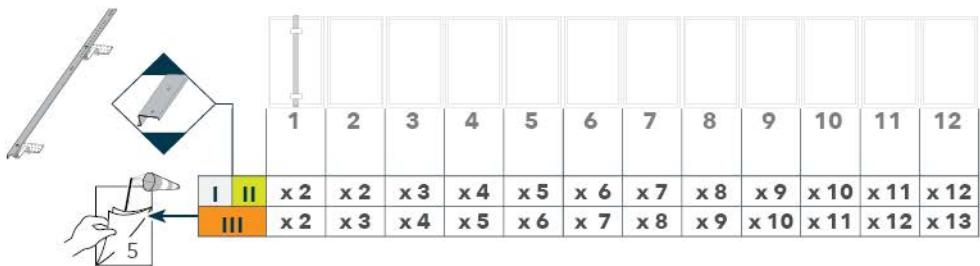
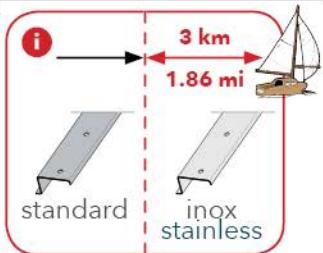
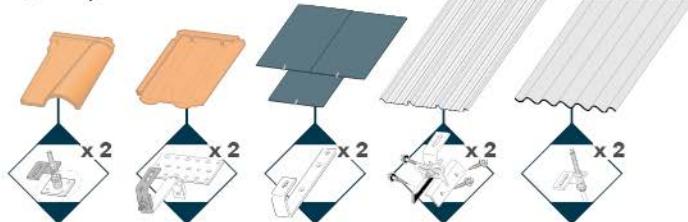
4.5x35

Vis autoreuse - Self tapping screws
Bohrschauben - Boorschroeven
Viti autoporanti
Parafusos auto de perfuração

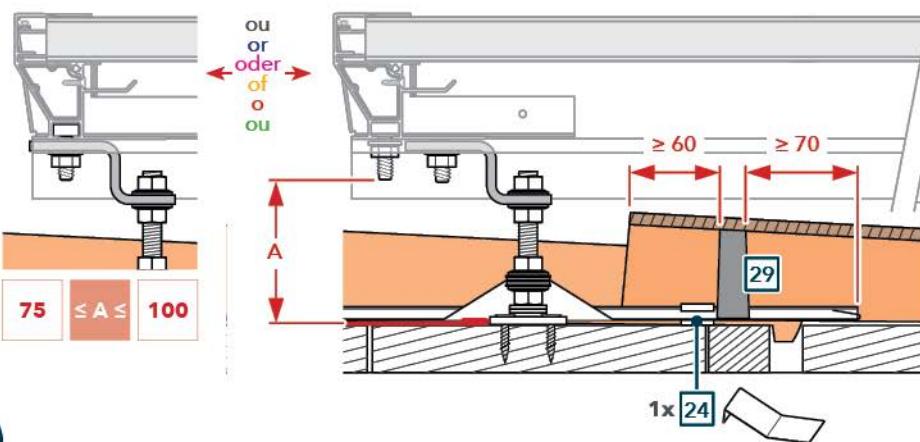
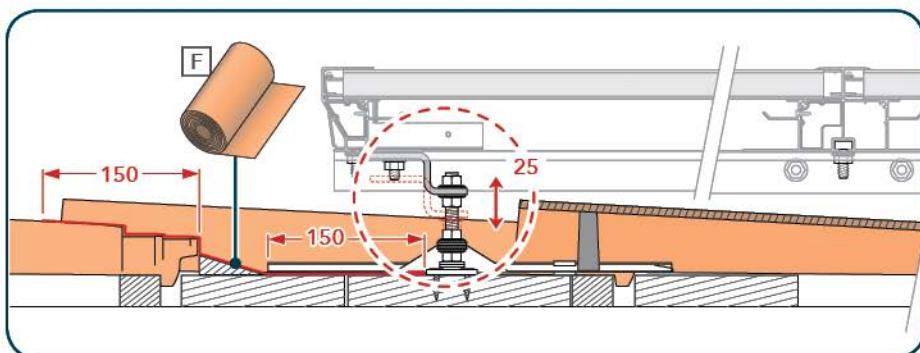
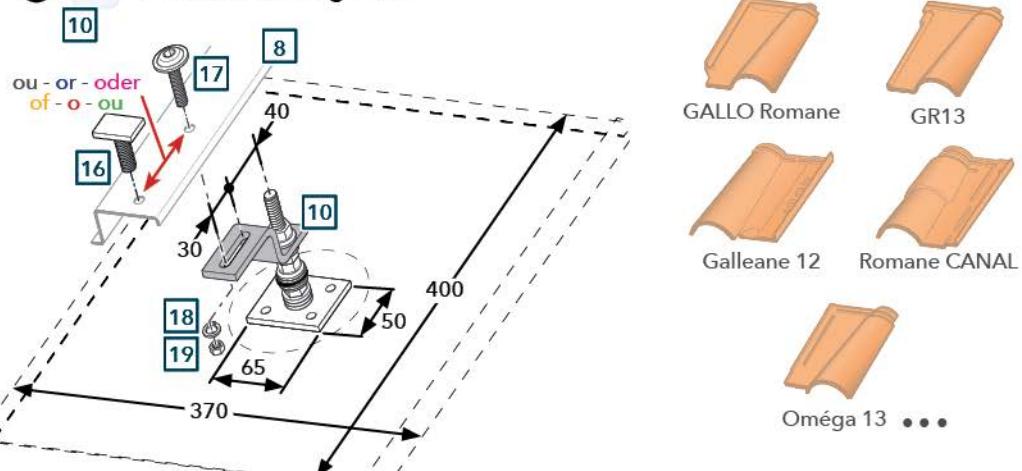




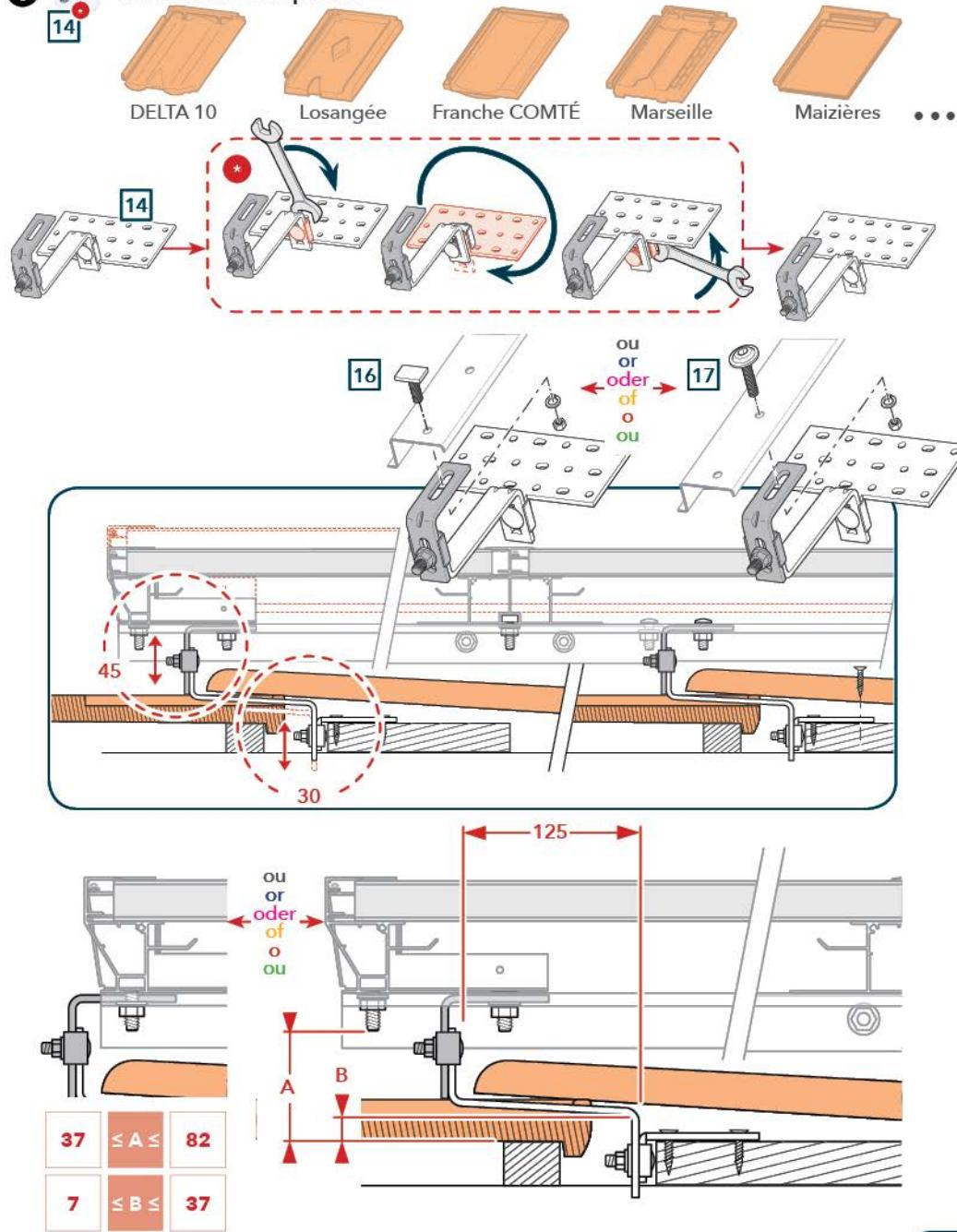
i - Nombres de crochets - Nombres de traverses



i -  - Crochets tuiles galbes

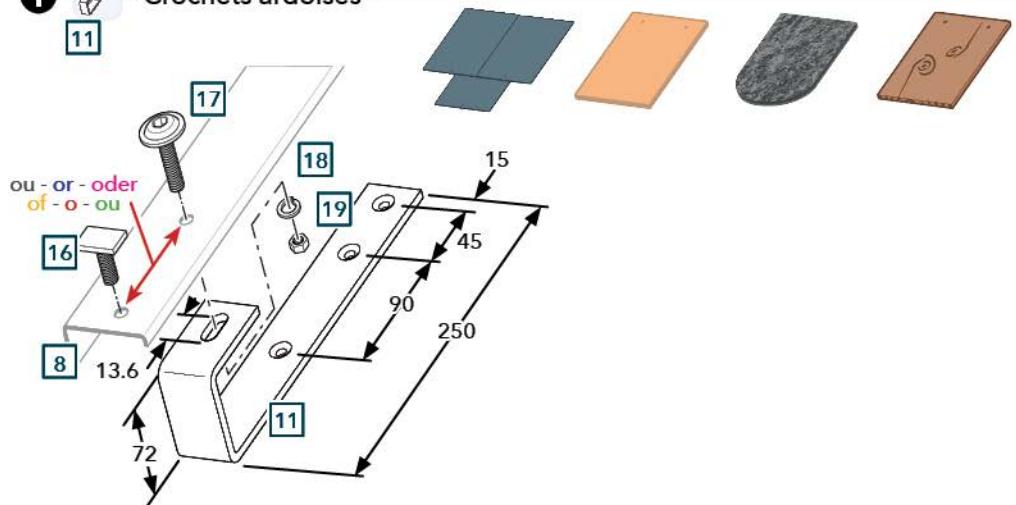


i -  - Crochets tuiles plates -

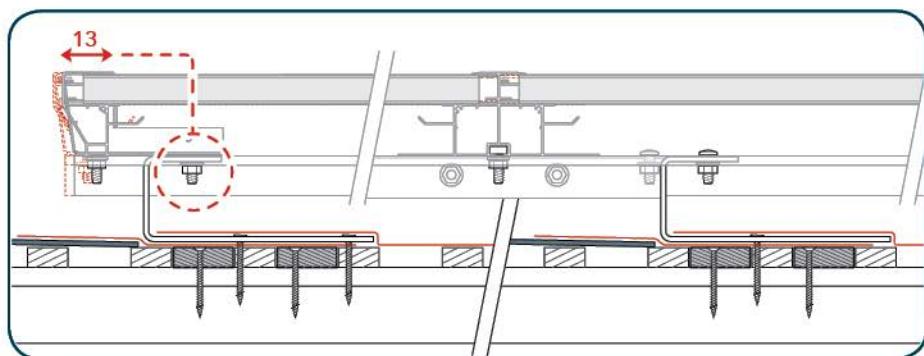


i - - Crochets ardoises

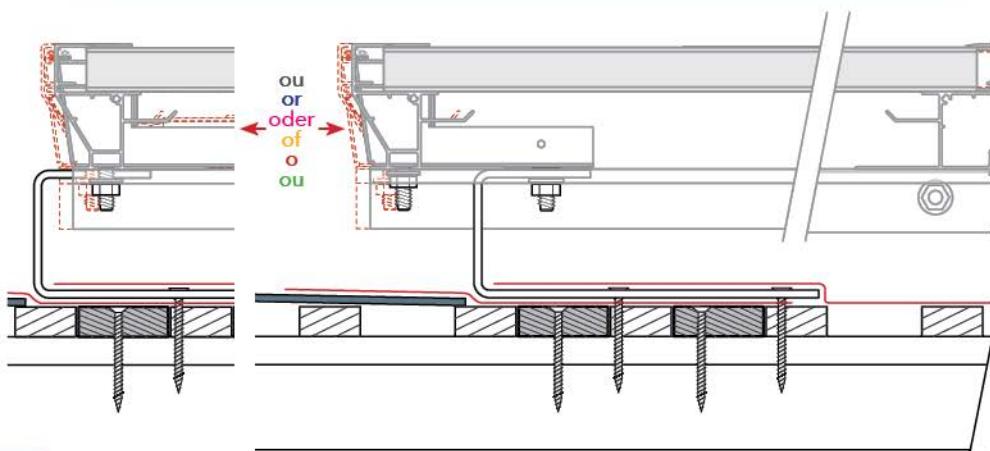
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13

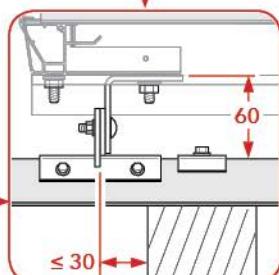
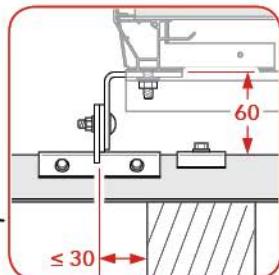
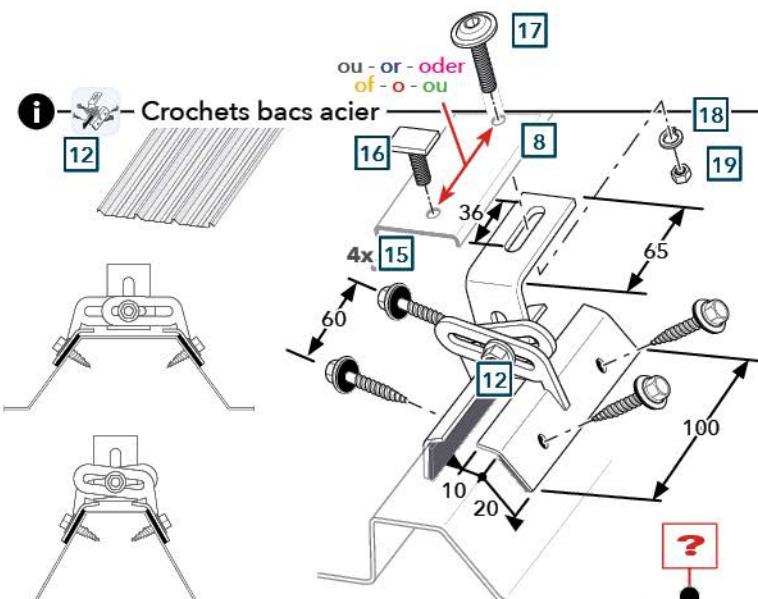


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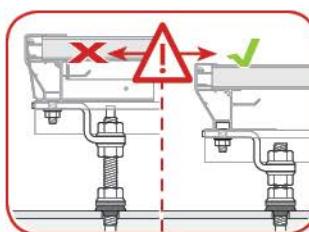
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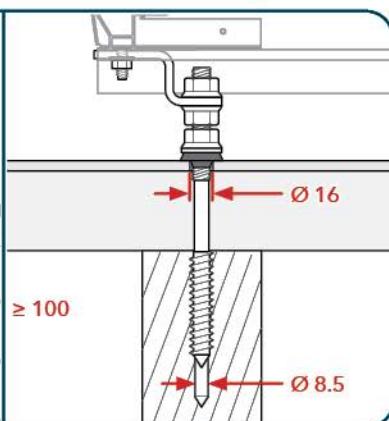
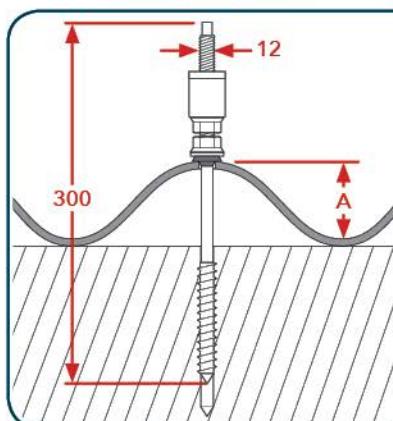
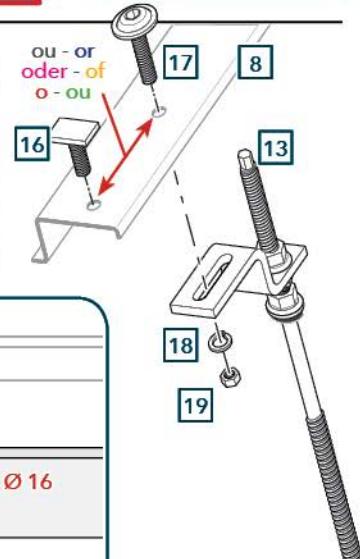
A vérifier auprès d'un Bureau d'Etude
To verify with an engineering consulting firm
Mit einem Technikberatungsunternehmen nachzuprüfen
Om na te gaan of met een engineering adviesbureau
A verificare vicino ad un ufficio di studio
Verificar com uma engenharia empresa consultora



- Crochets tôles ondulées



30 $\leq A \leq$ **125**



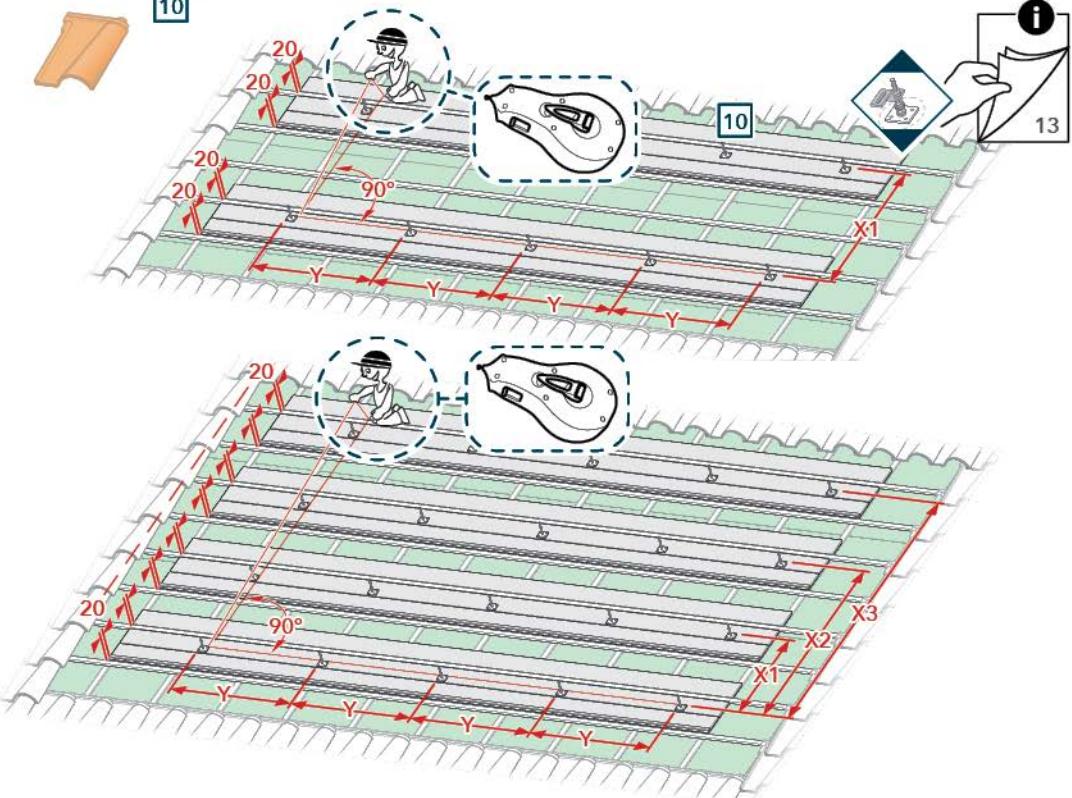
1

– Pose des crochets : Tuiles galbes

10

13

i



X1	X2	X3	Y
$1156 \leq X1 \leq 1546$	$1772 \leq X2 \leq 1982$	$2803 \leq X3 \leq 3253$	$Y \leq 1250$

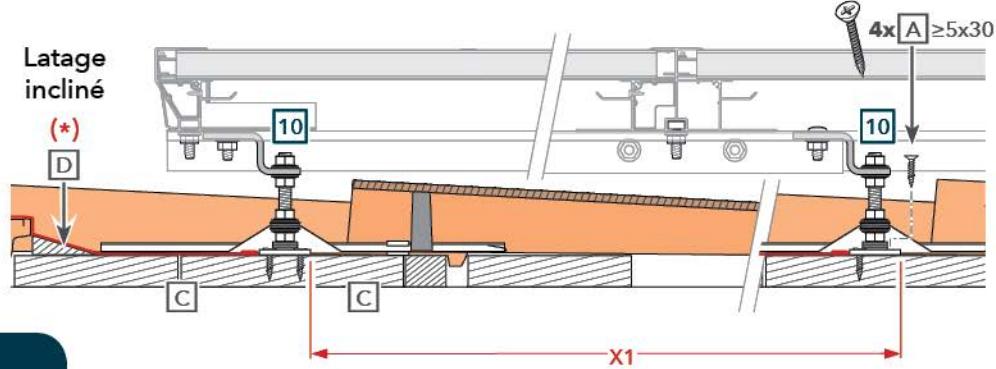
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i

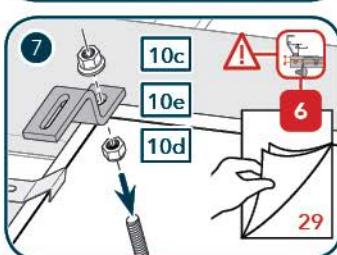
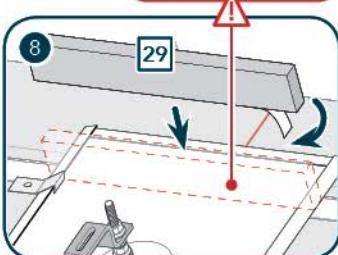
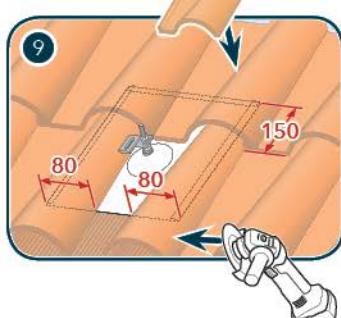
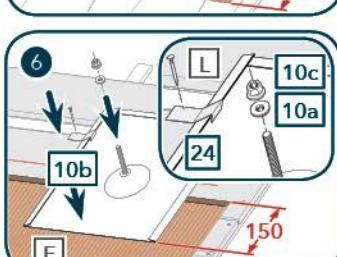
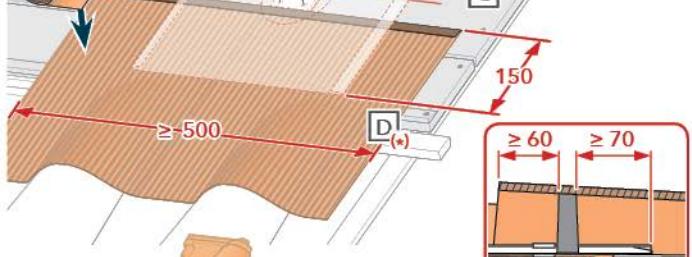
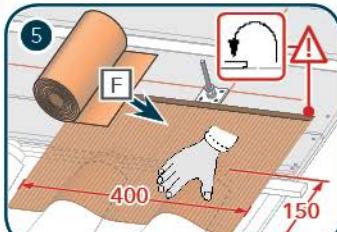
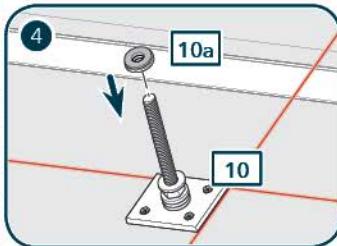
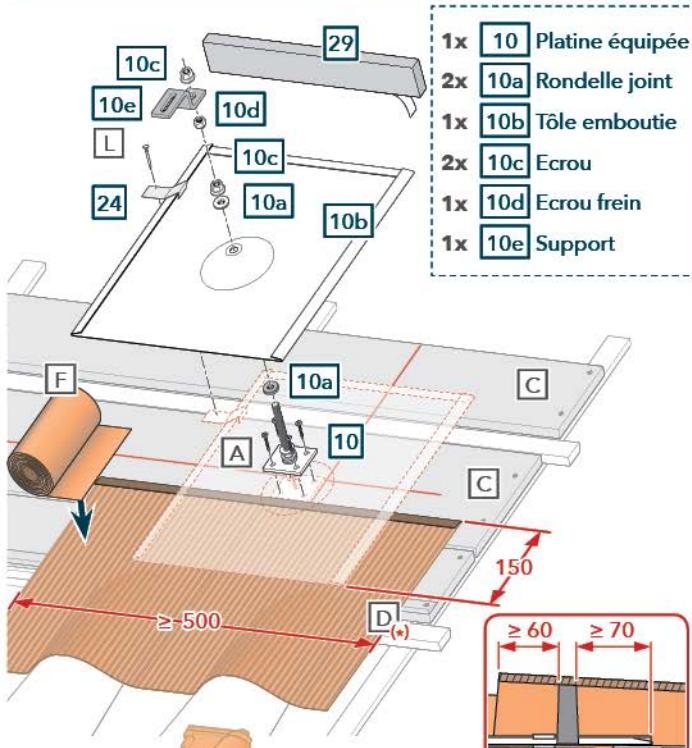
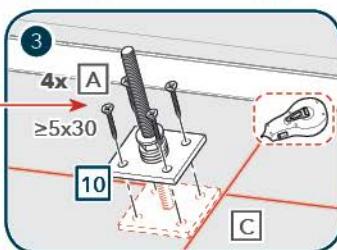
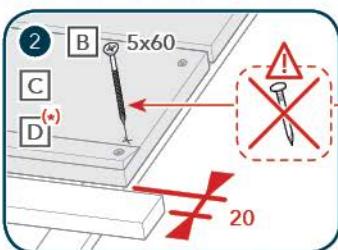
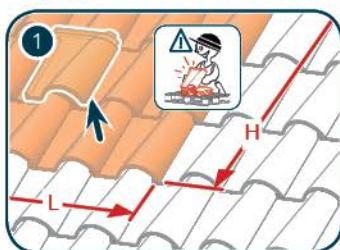
Latage incliné

(*)

D



ATTENTION : respecter le sens de montage et les distances de recouvrement



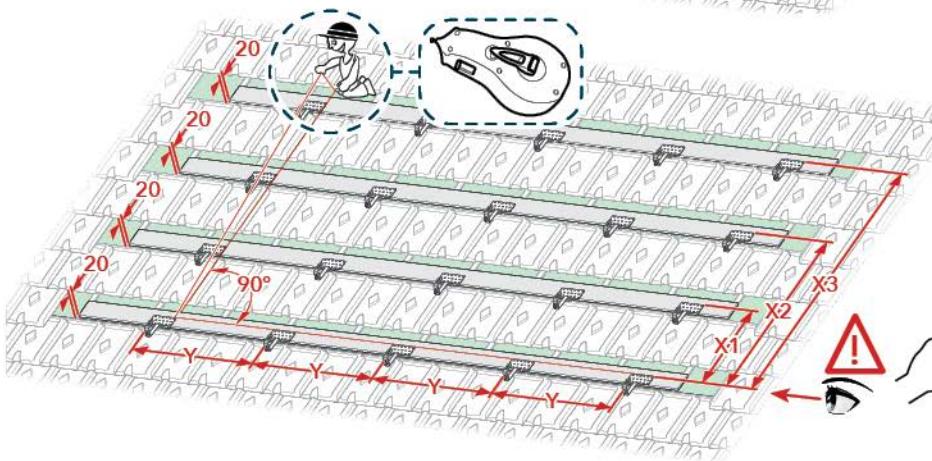
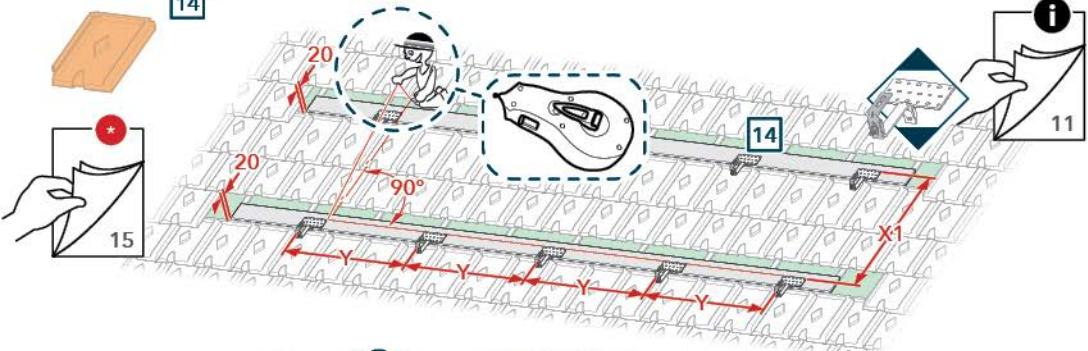
1

– Pose des crochets : Tuiles plates –

14

i

11



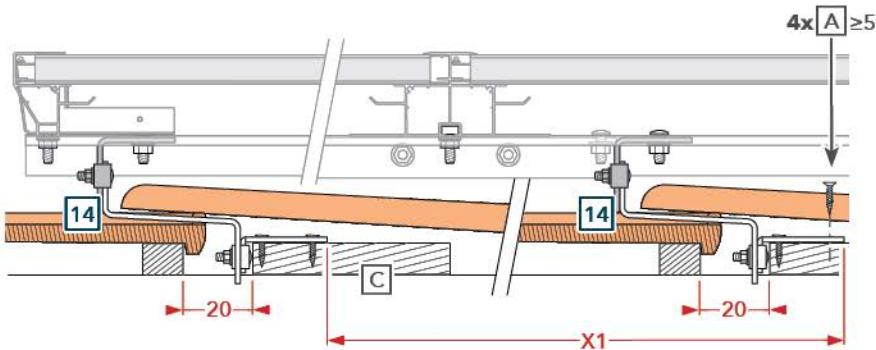
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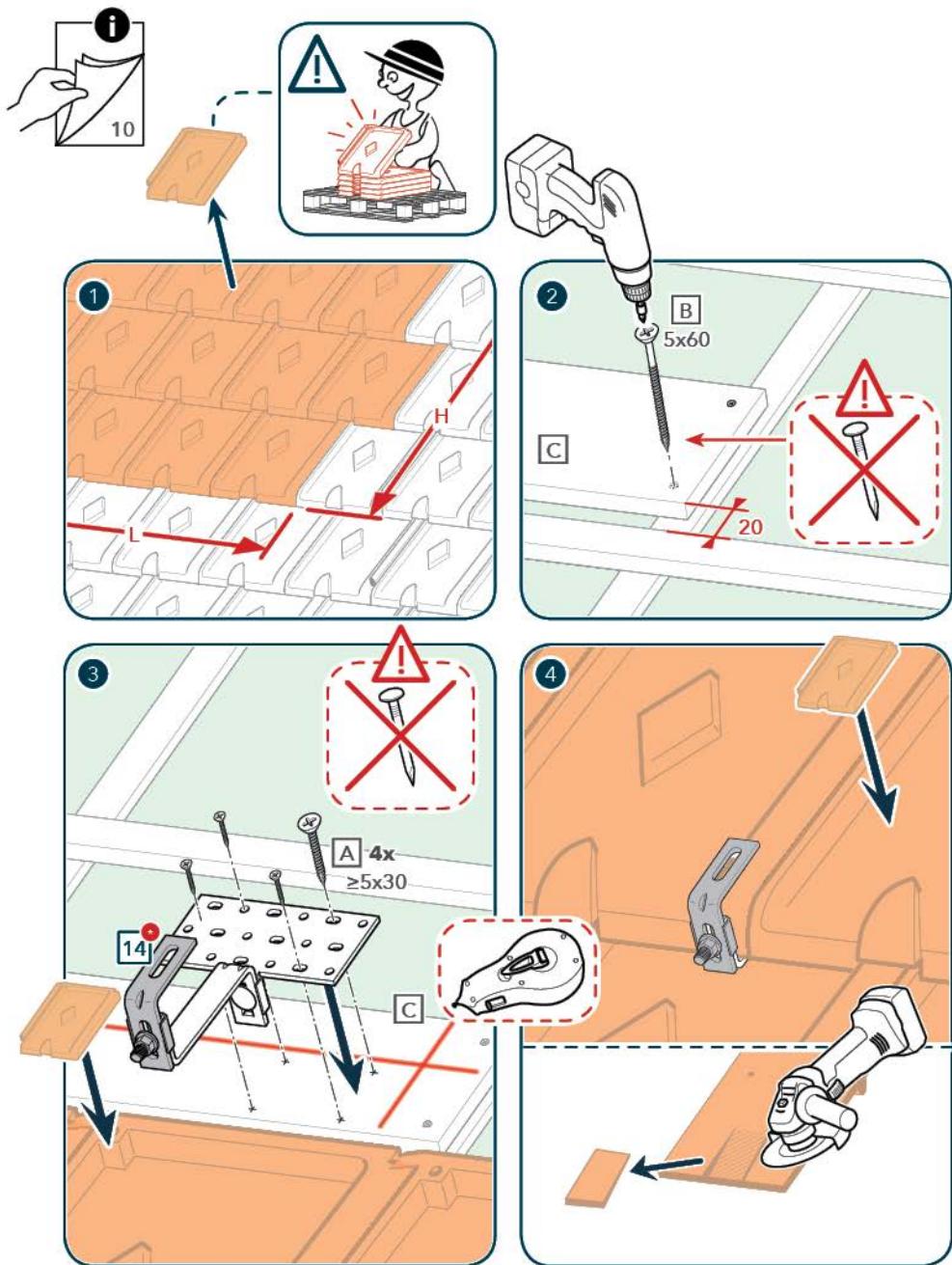
6

X1	X2	X3	Y
$1156 \leq X1 \leq 1546$	$1772 \leq X2 \leq 1982$	$2803 \leq X3 \leq 3253$	$Y \leq 1250$

10

i







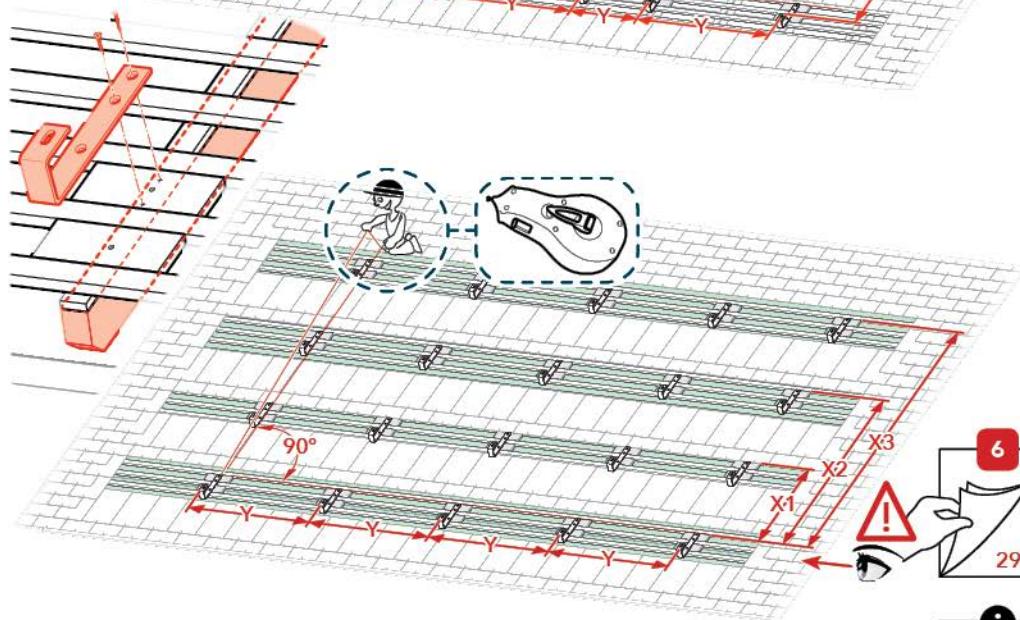
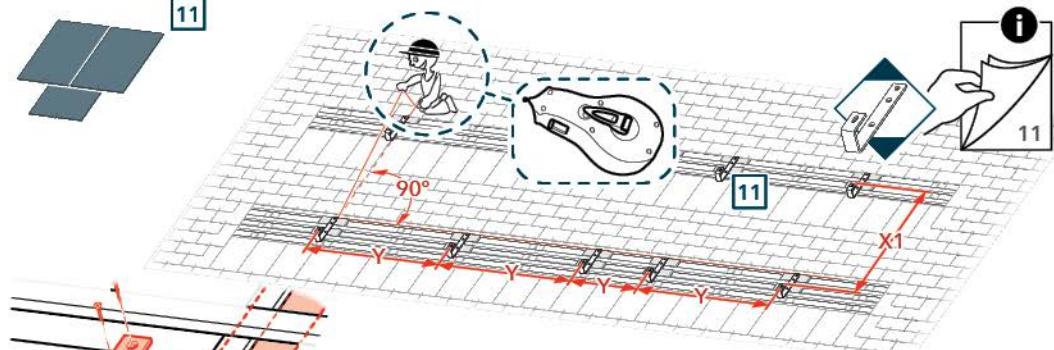
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- Pose des crochets : Ardoises

11

i

11

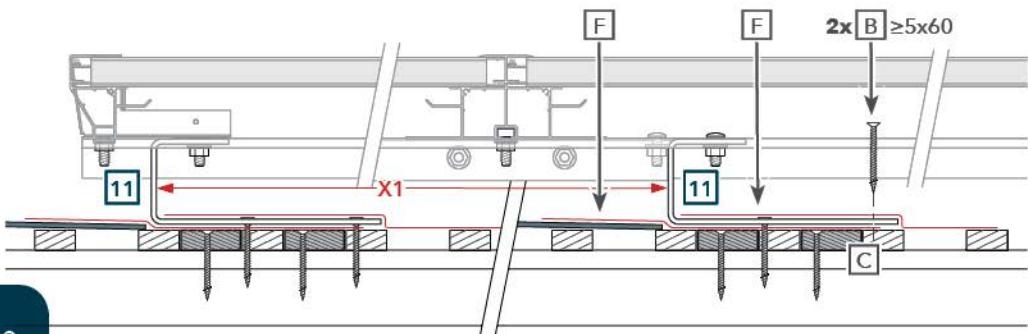


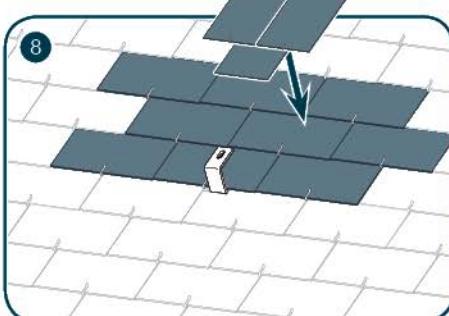
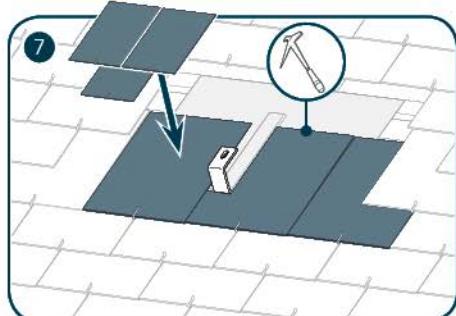
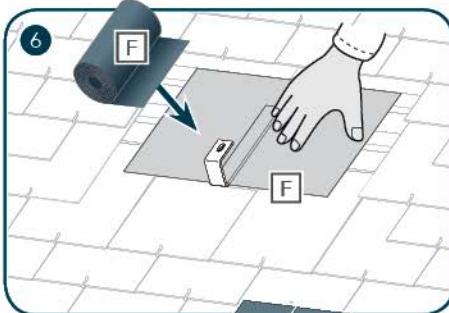
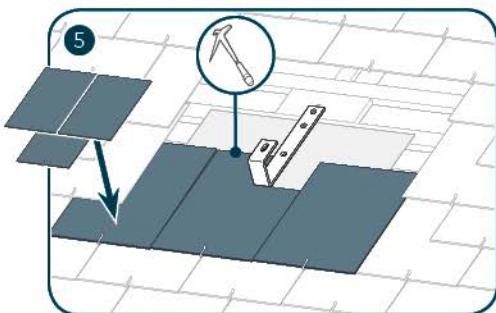
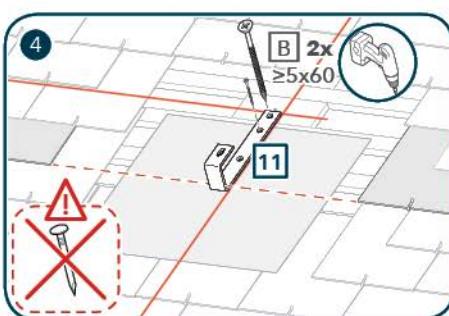
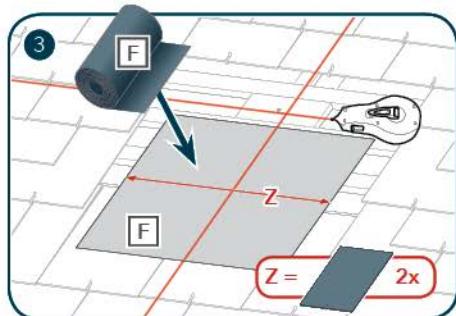
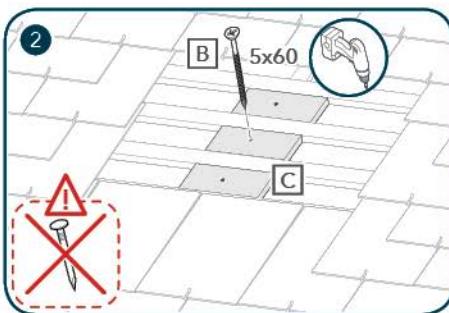
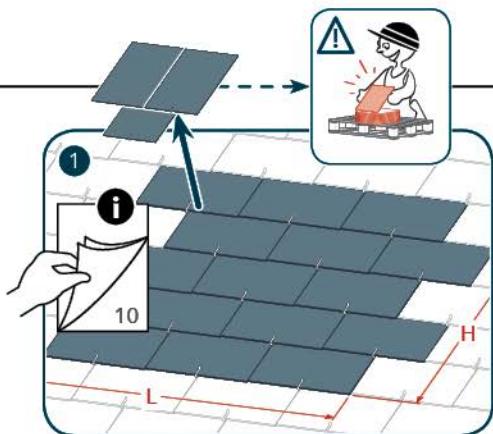
29

i

10

X1	X2	X3	Y
$1156 \leq X1 \leq 1546$	$1772 \leq X2 \leq 1982$	$2803 \leq X3 \leq 3253$	$Y \leq 1250$



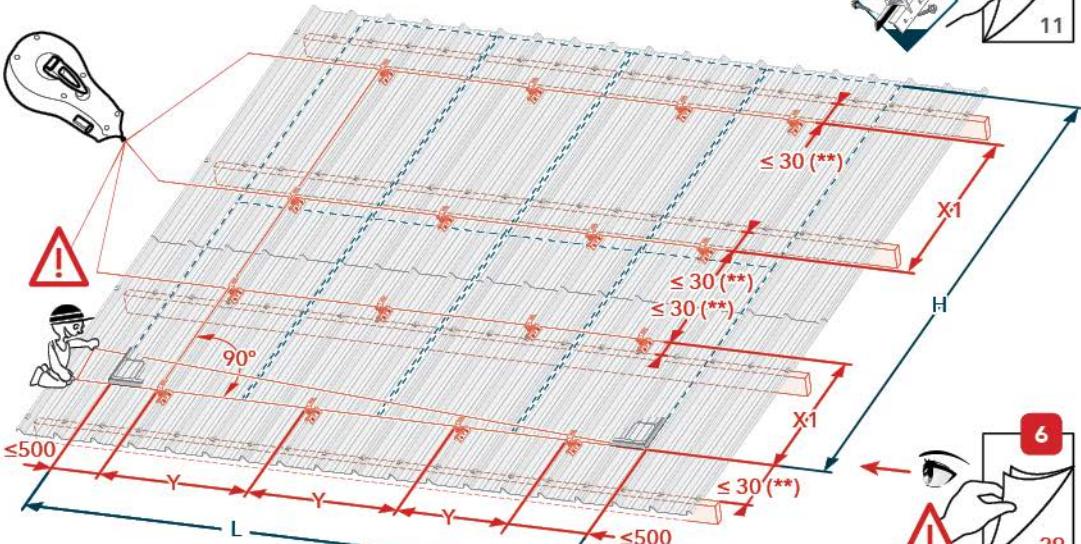
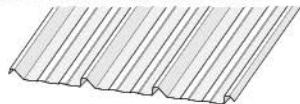




1



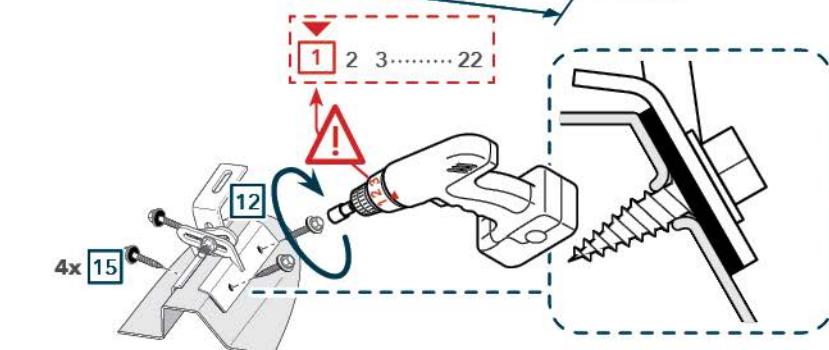
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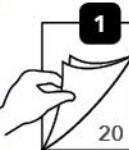
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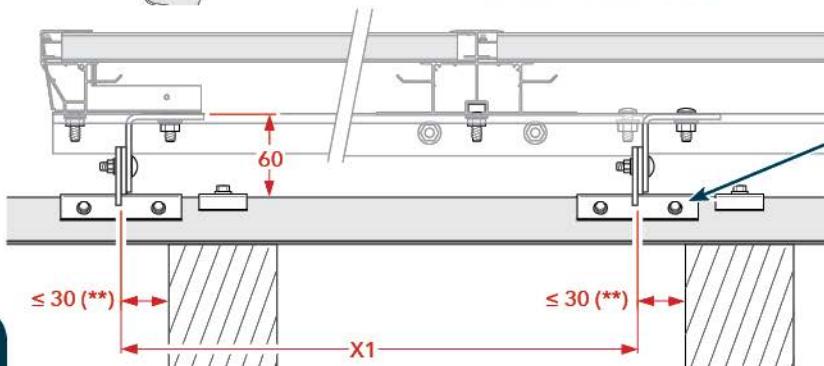
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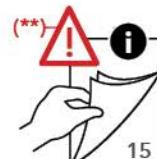
$H =$
 $L =$



$X_1 =$
 $Y =$



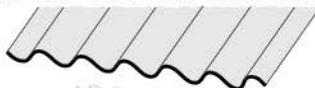
15×4



1



13



– Pose des crochets : Tôles ondulées –

i

11



90°

≤ 500

L

X1

H

X1

X1

L

H =

$L =$

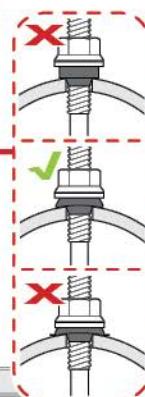
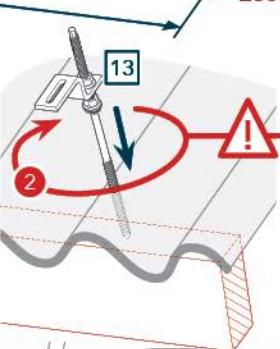
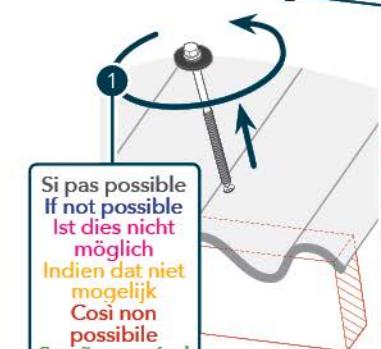
X1 =

Y =

20

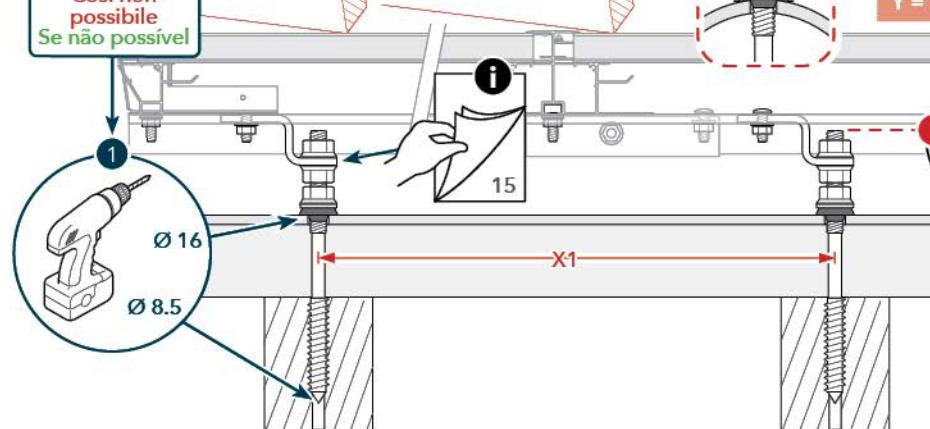


Si pas possible
If not possible
Ist dies nicht
möglich¹
Indien dat niet
mogelijk
Così non
possibile
Se não possível

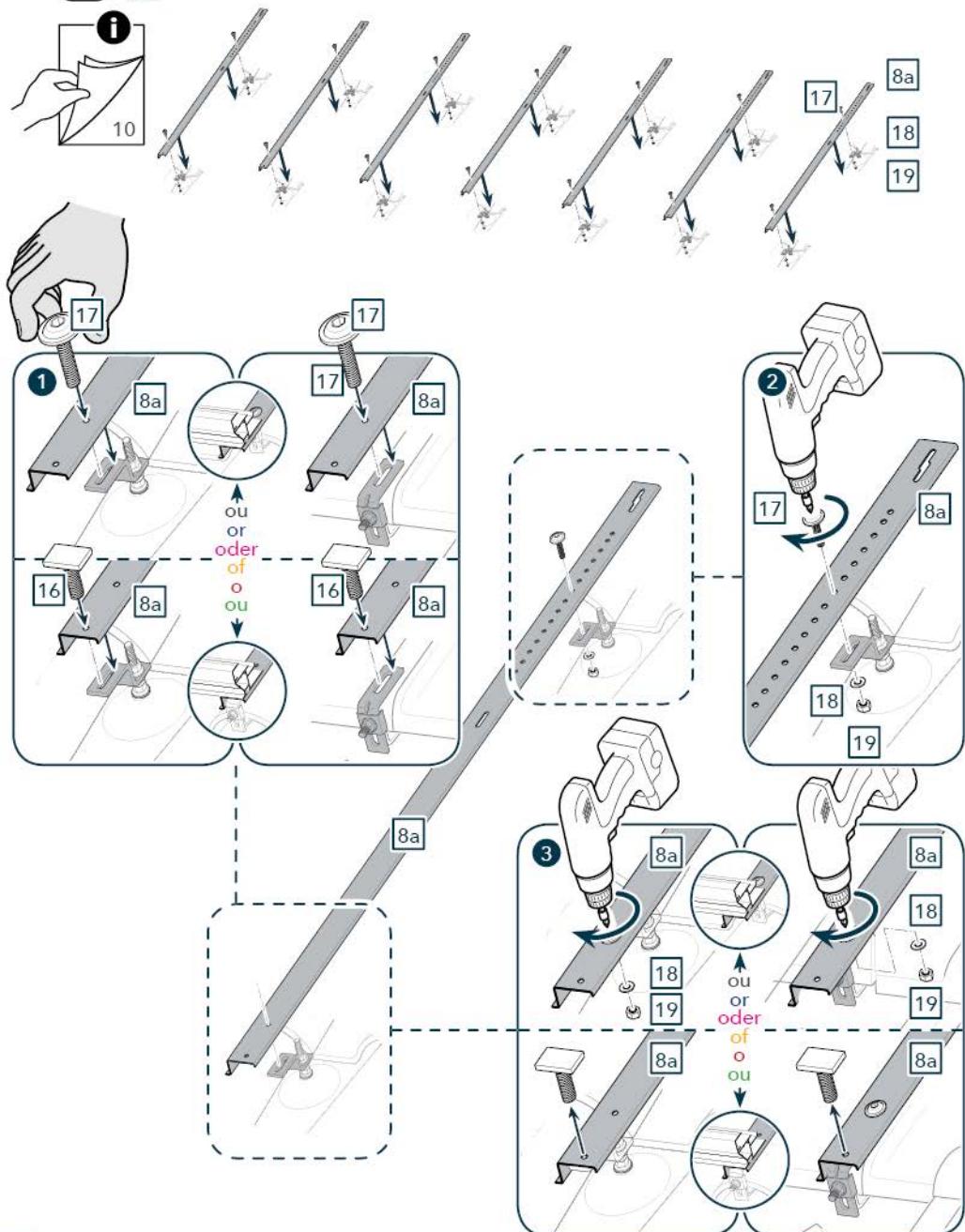


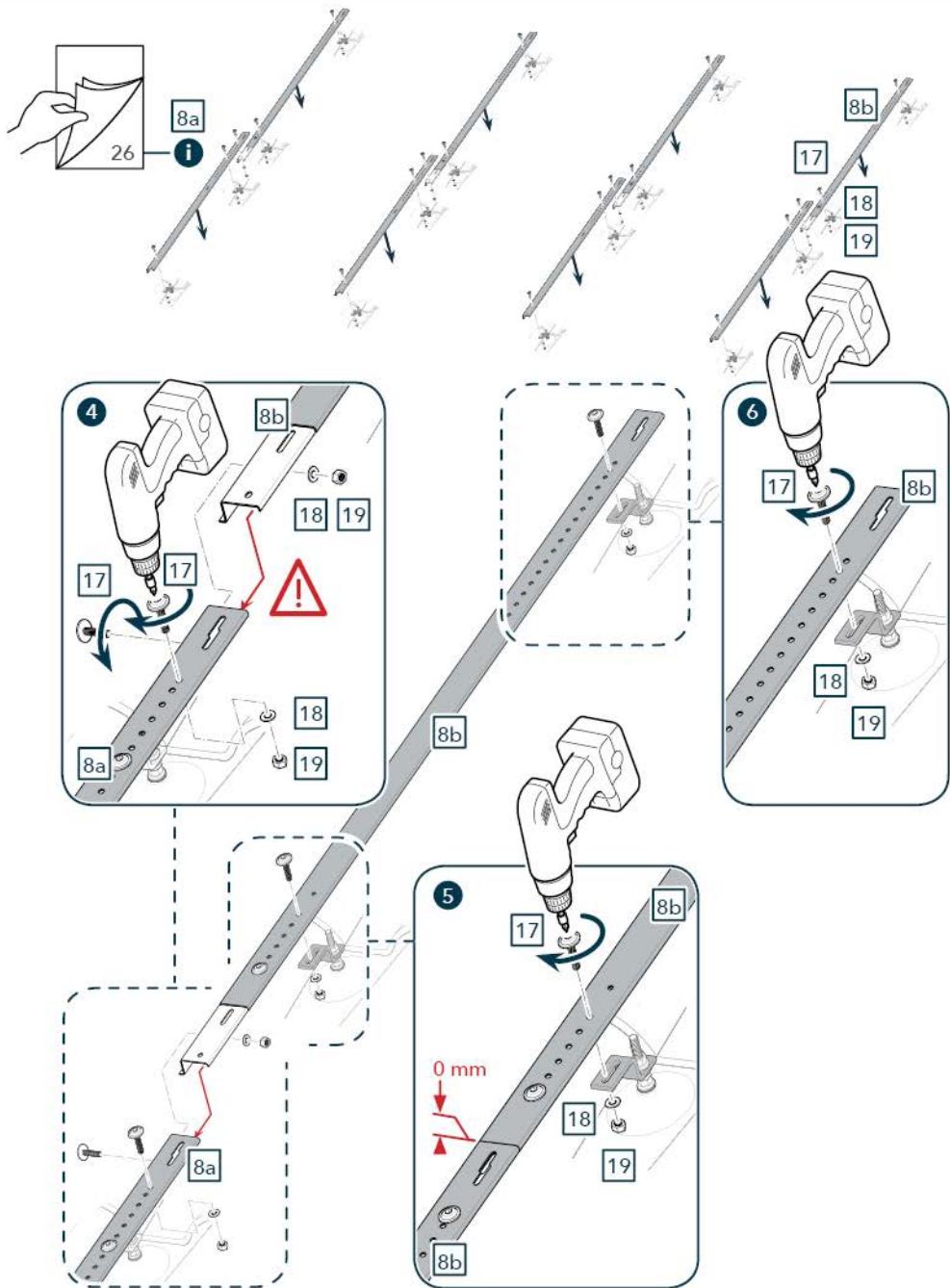
i

15

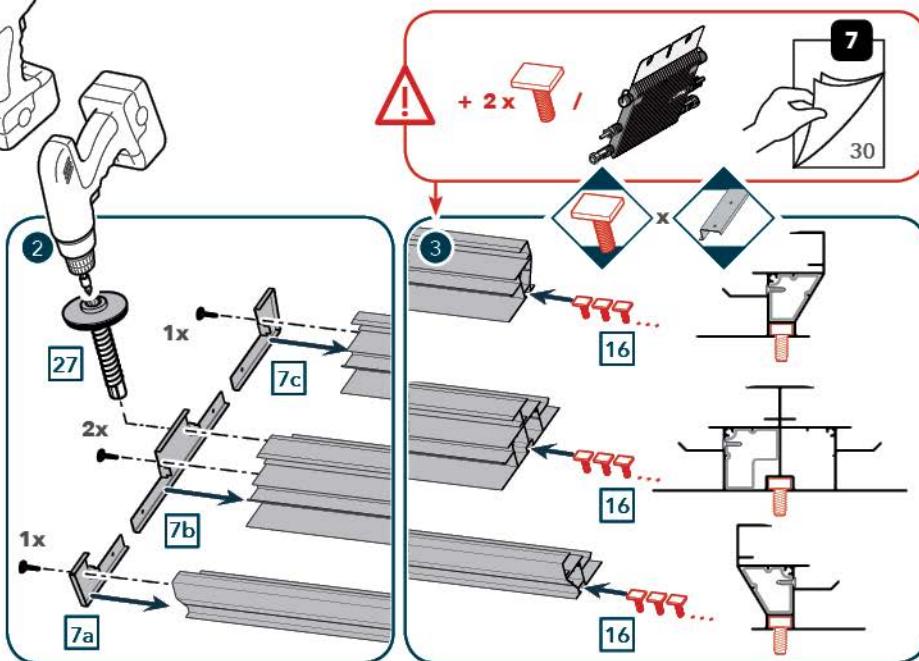
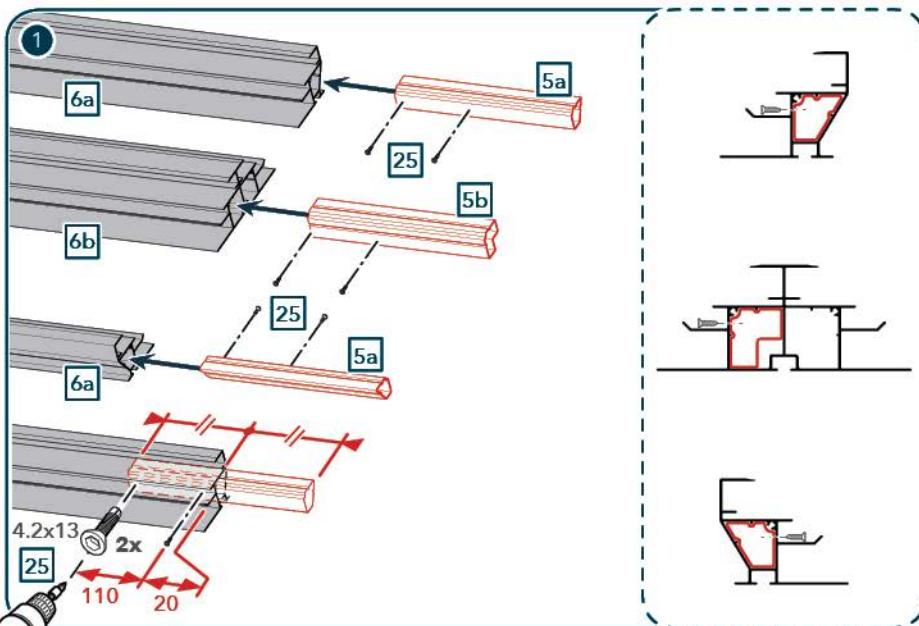


2 - Pose des traverses





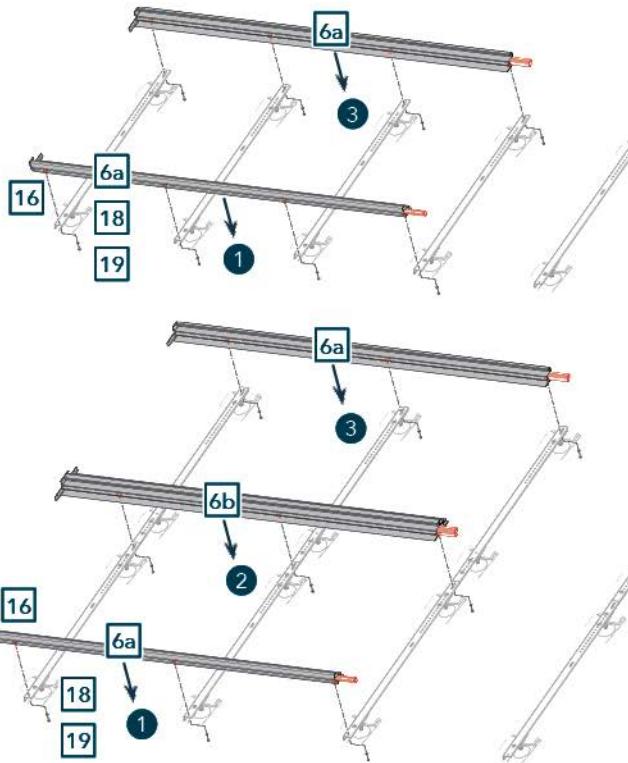
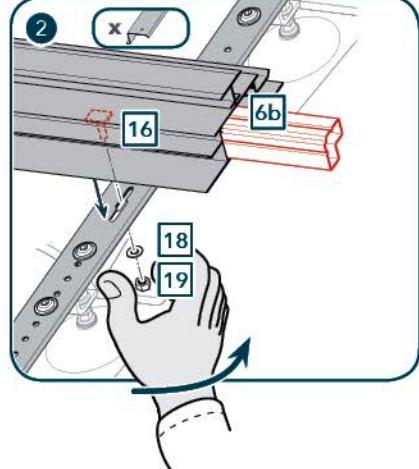
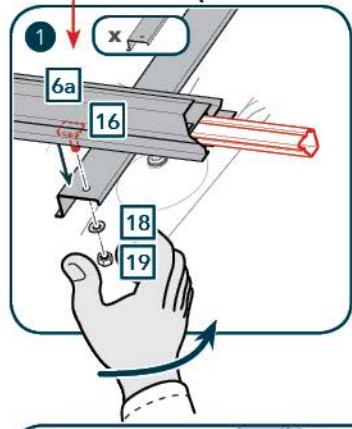
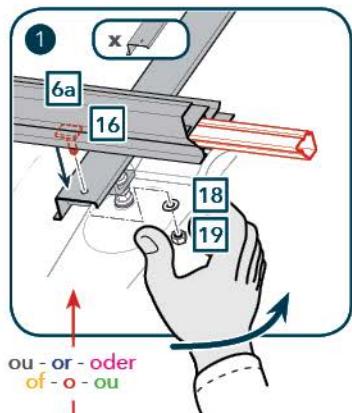
3 – Eclissage des rails





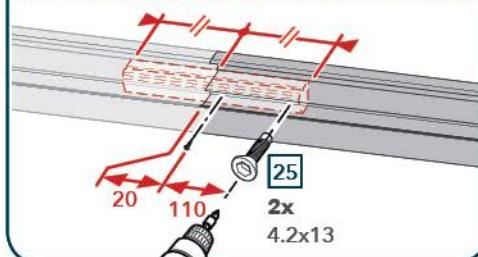
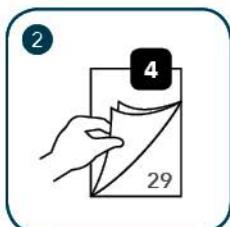
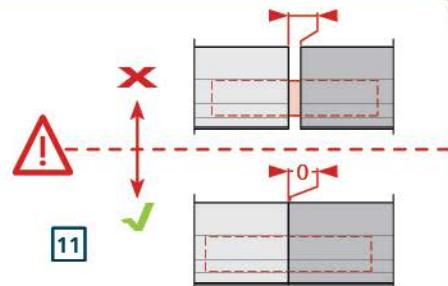
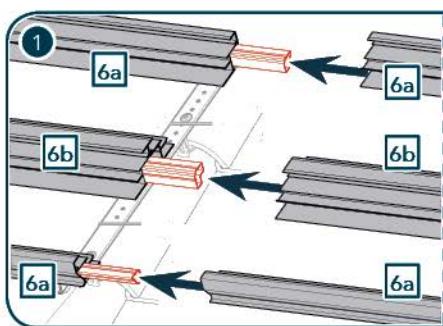
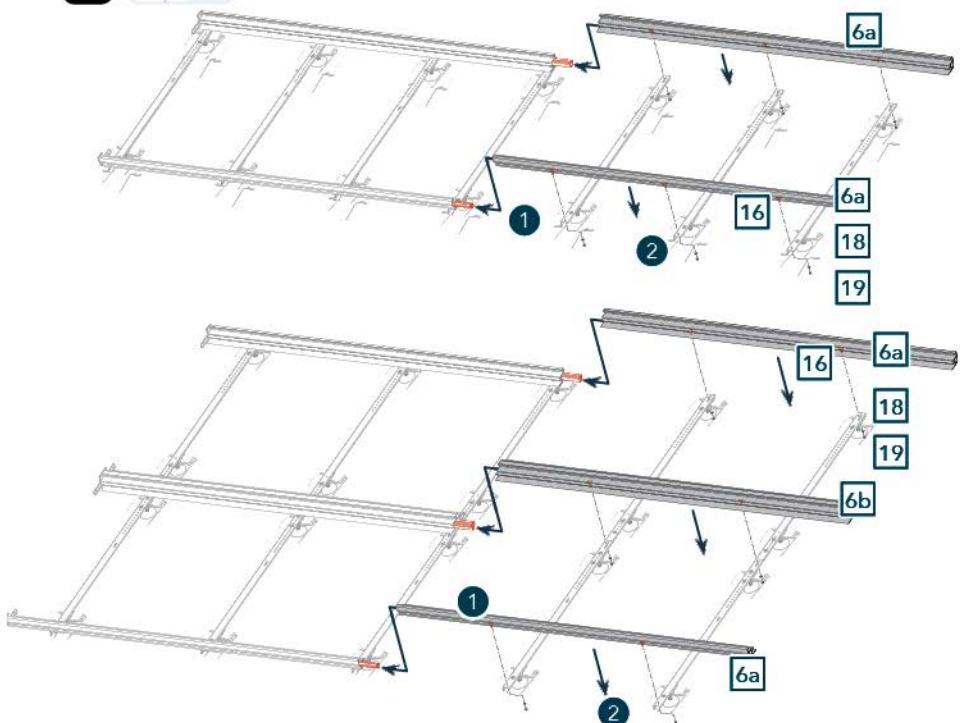
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– Pose des rails –





5 Assemblage des rails

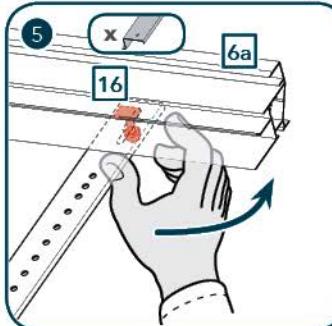
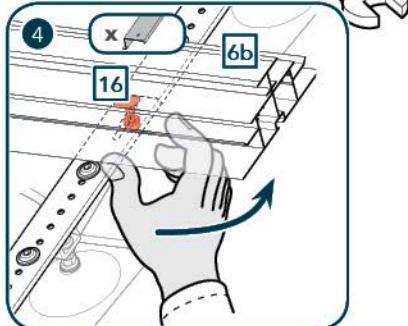
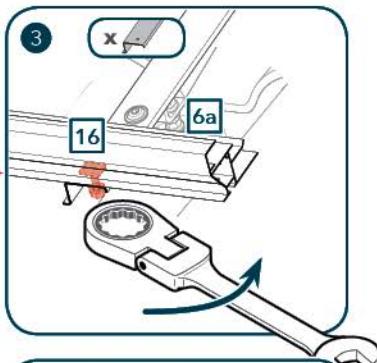
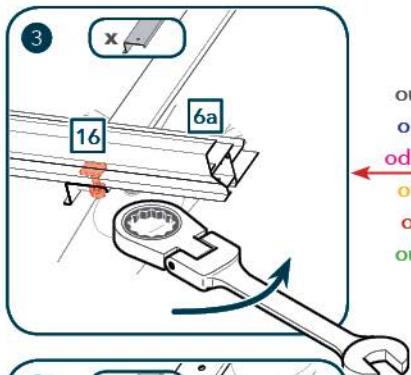
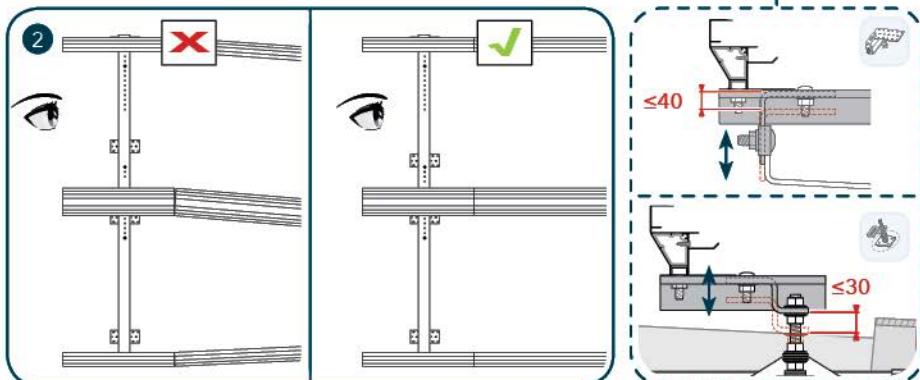
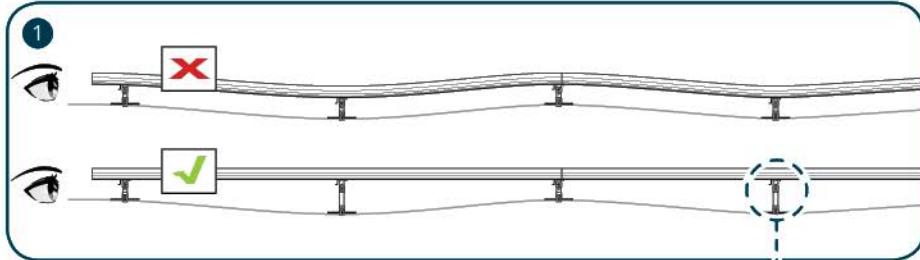




6



Réglage des fixations

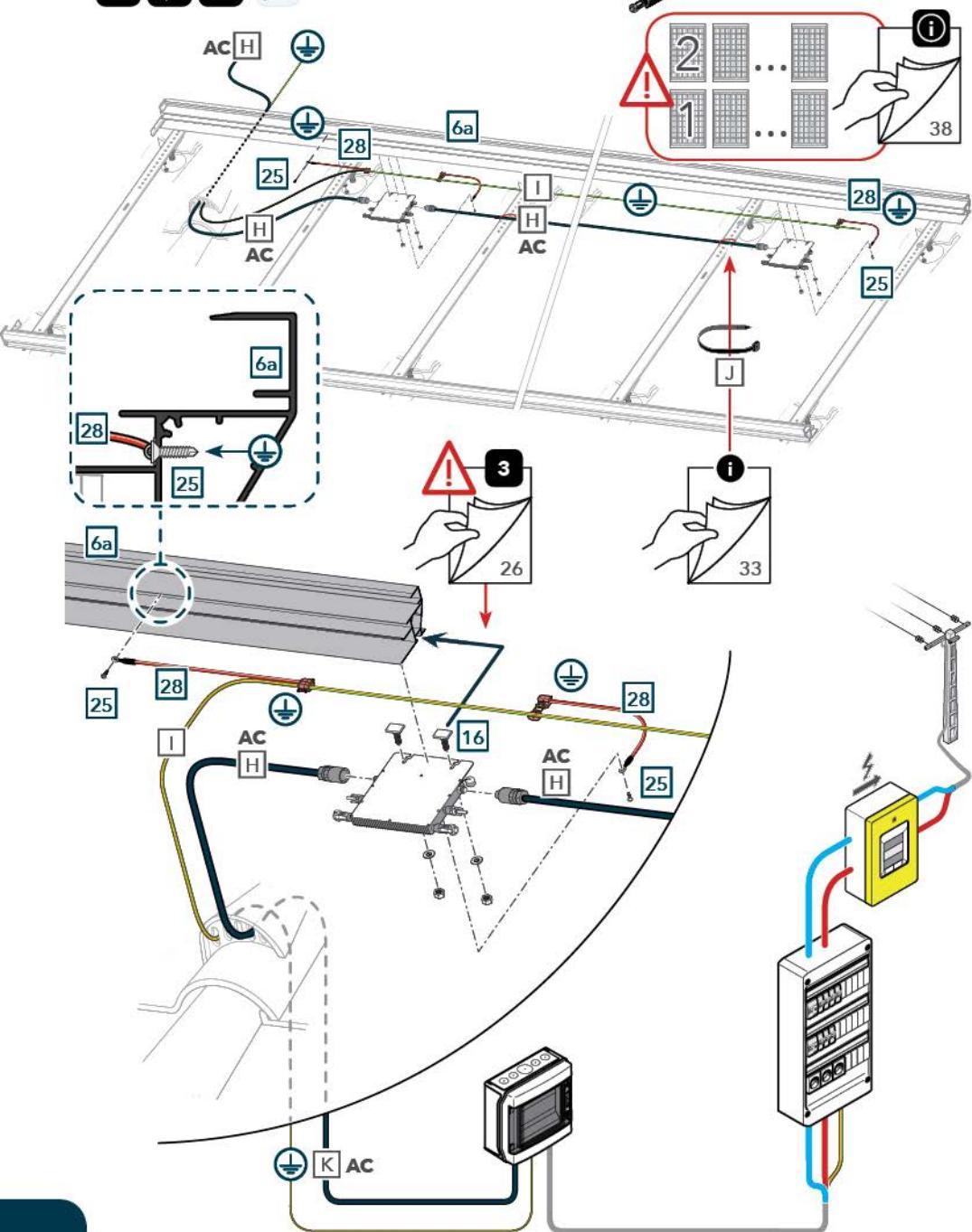




Câblage Micro-Onduleur

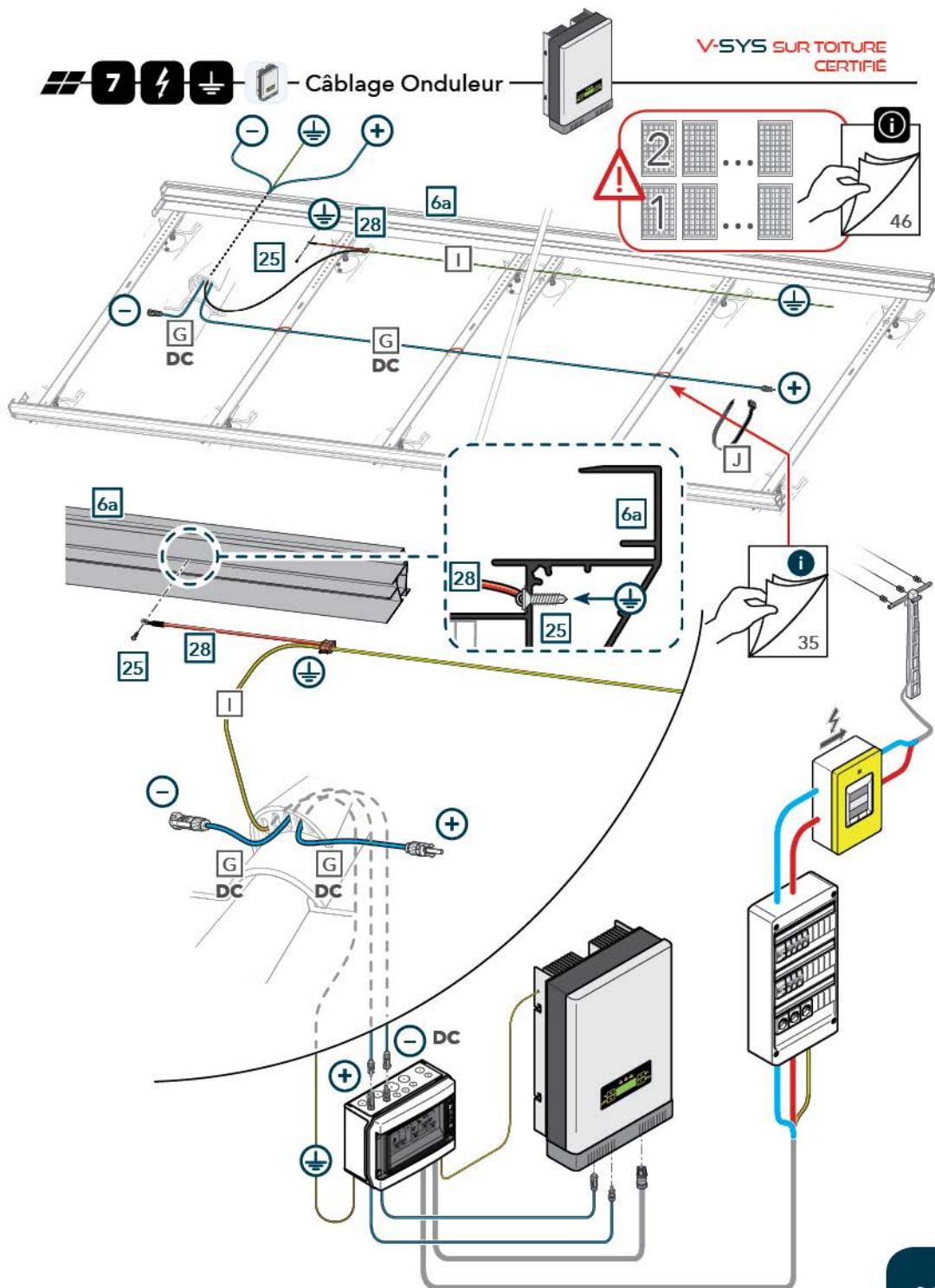


V-SYS SUR TOITURE
CERTIFIÉ



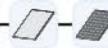


- Câblage Onduleur -

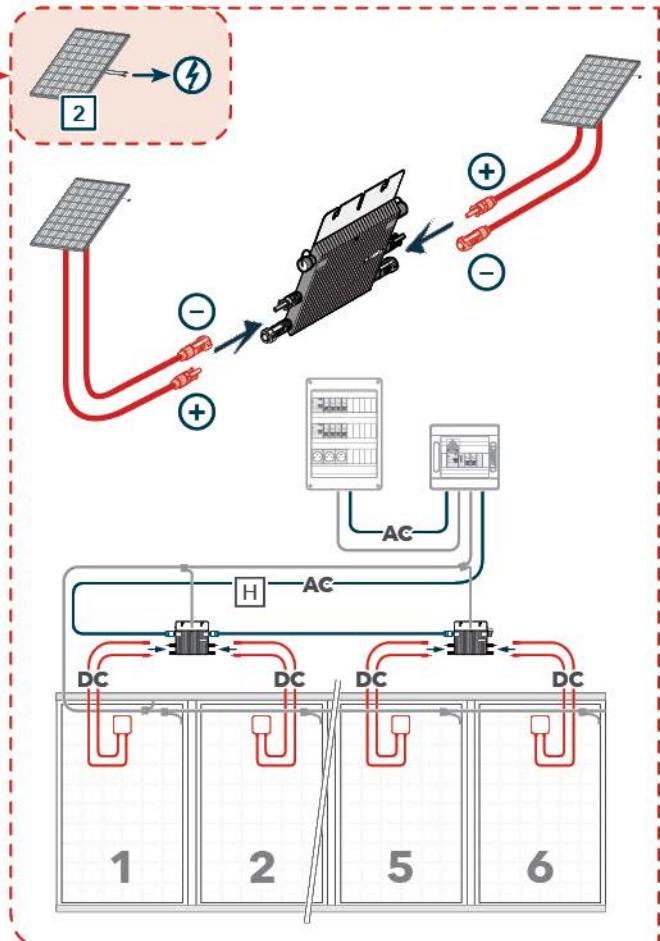
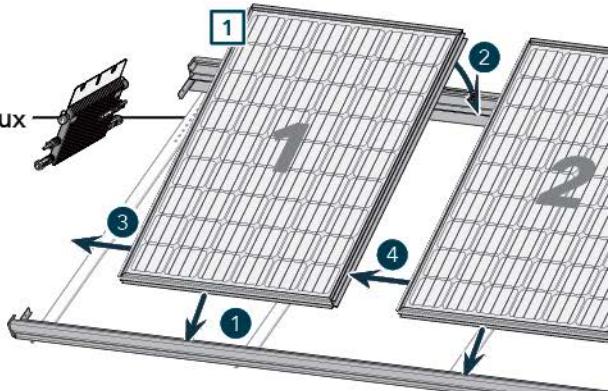
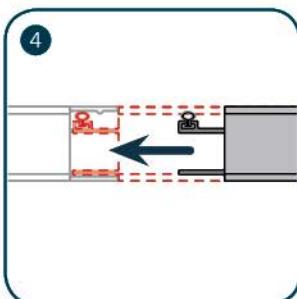
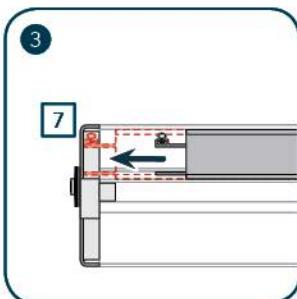
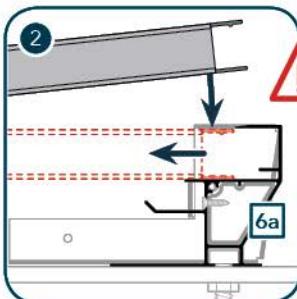
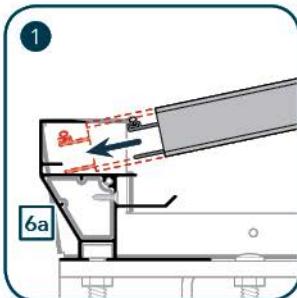


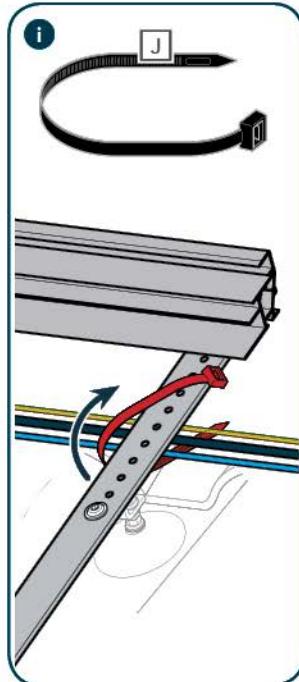
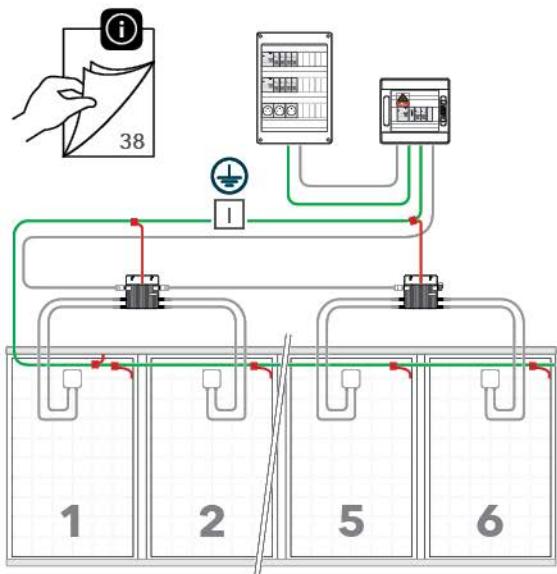
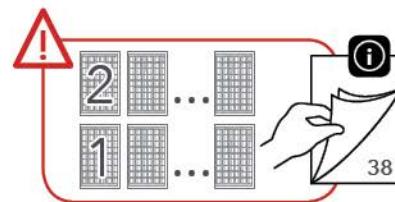
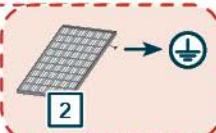
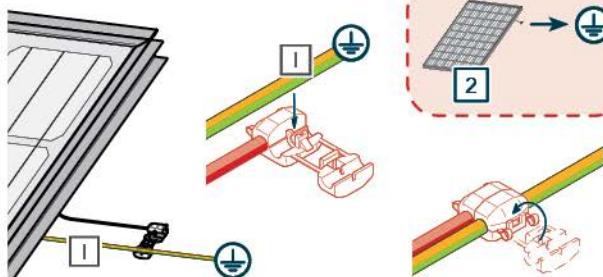
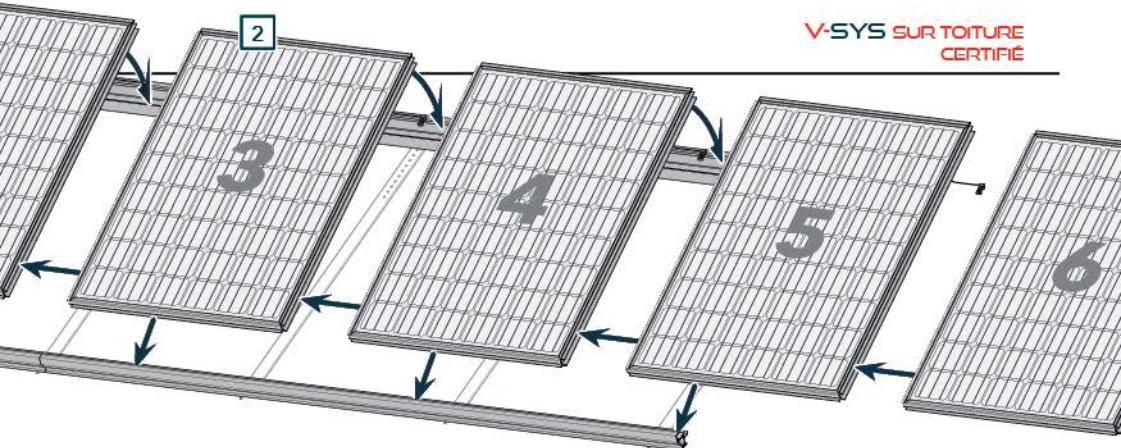


8



Pose des panneaux



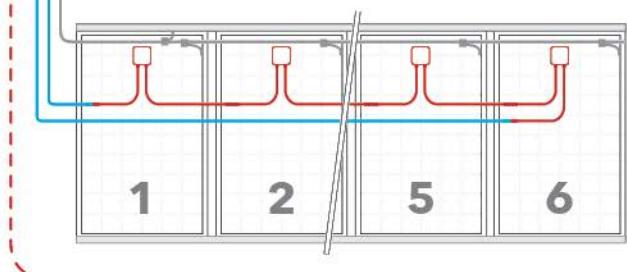
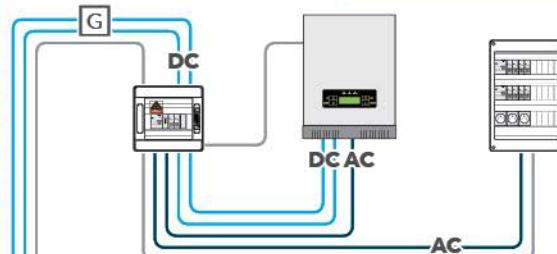
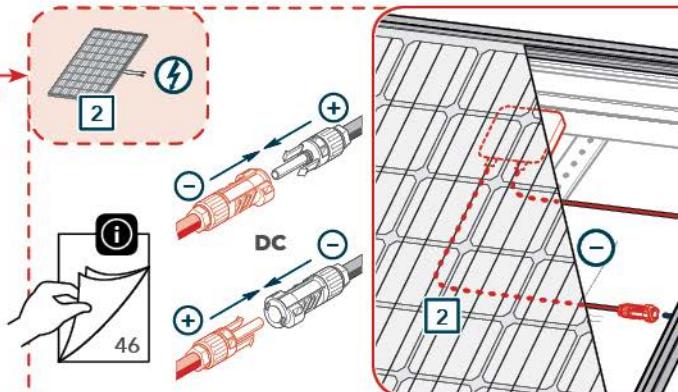
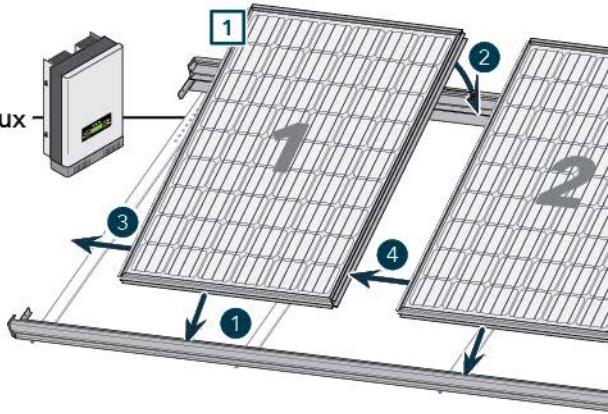
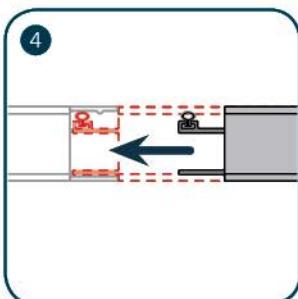
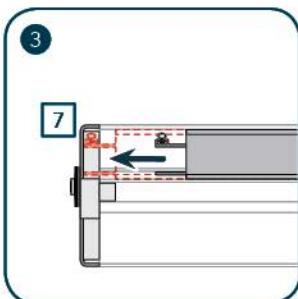
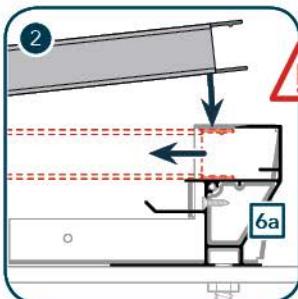
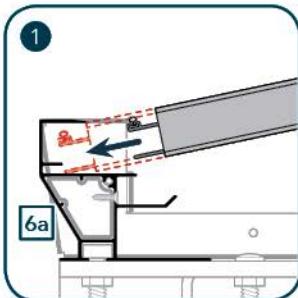


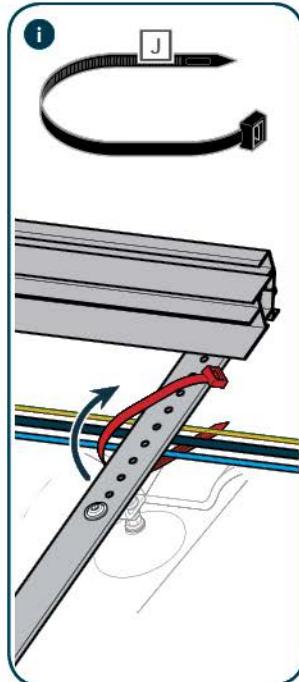
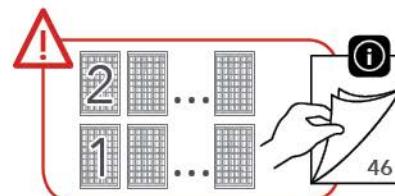
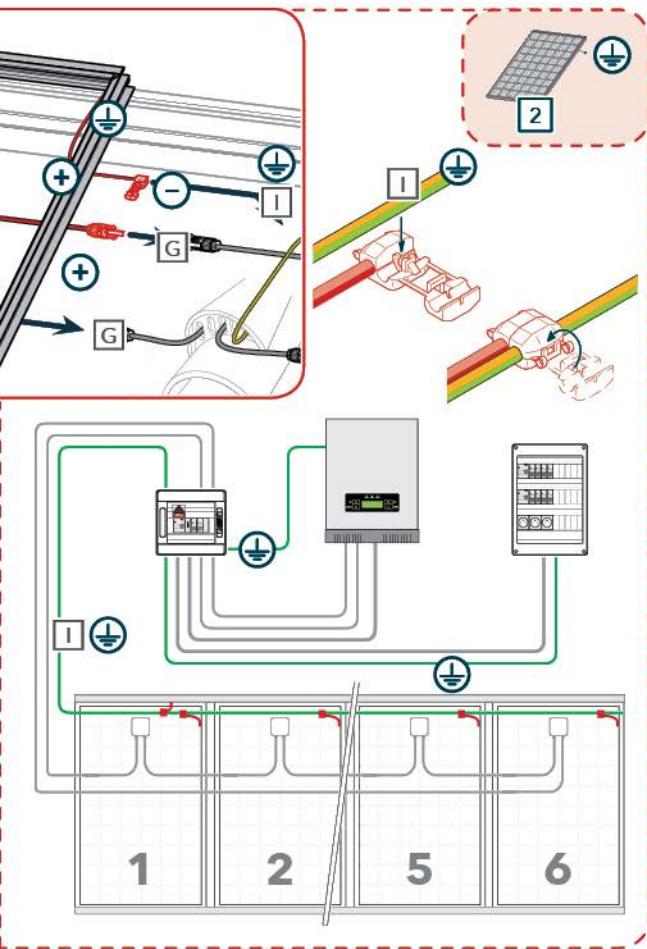
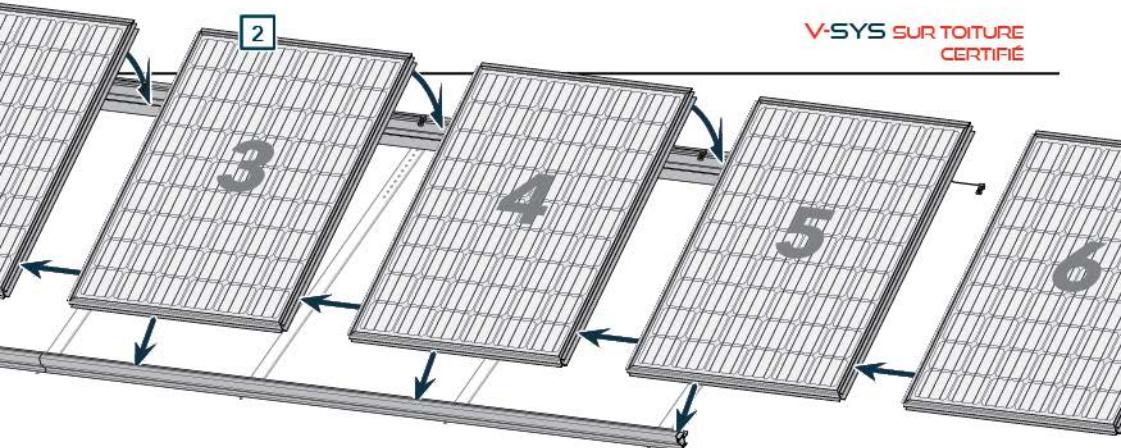


8



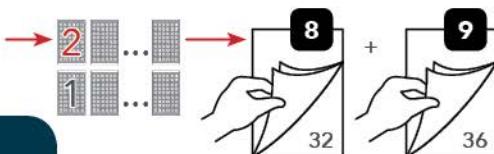
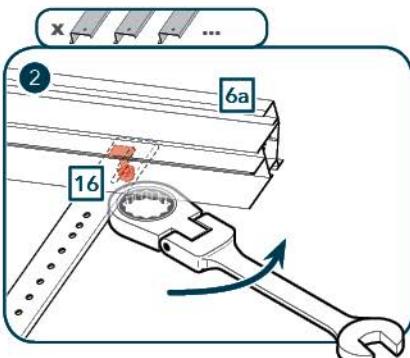
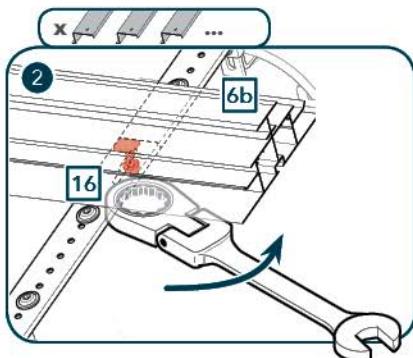
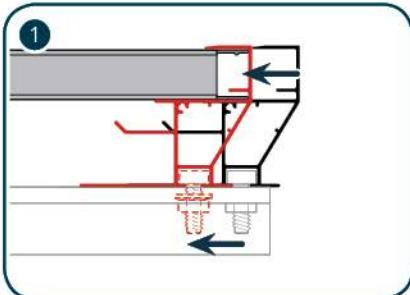
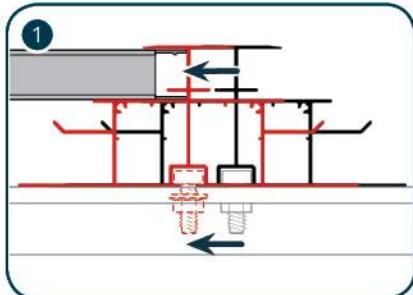
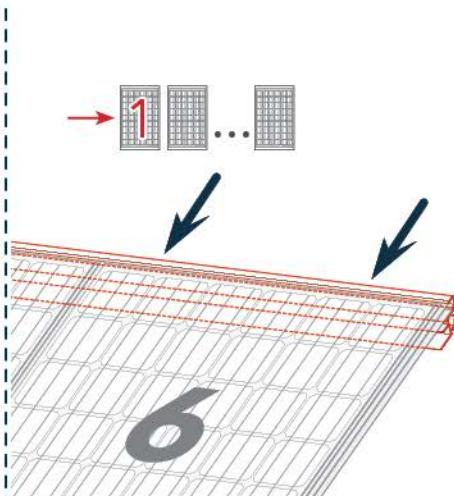
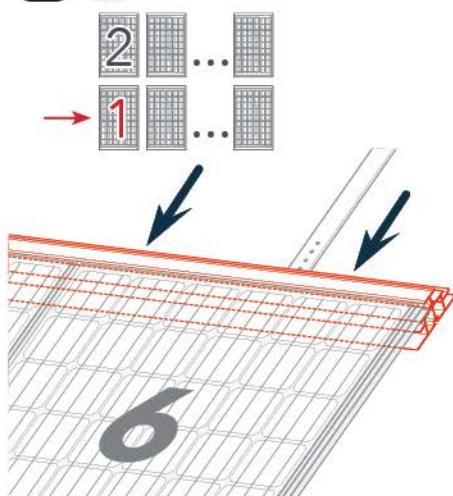
Pose des panneaux







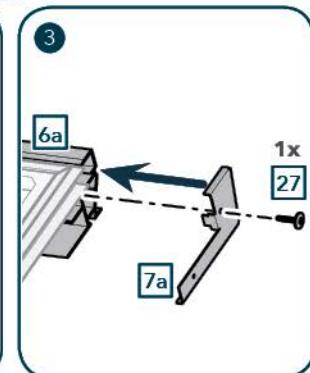
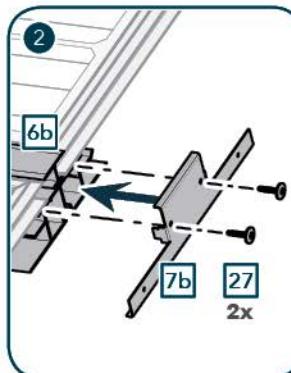
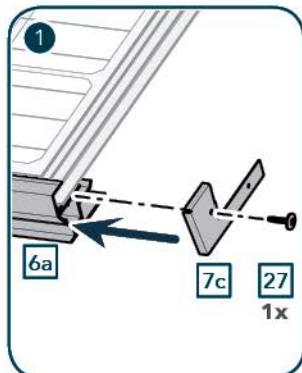
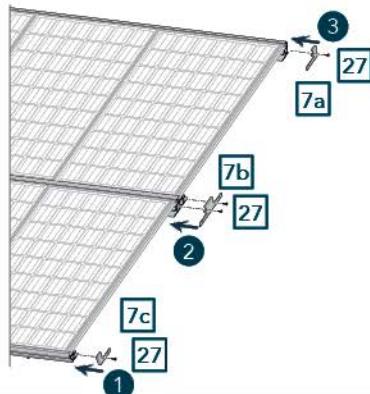
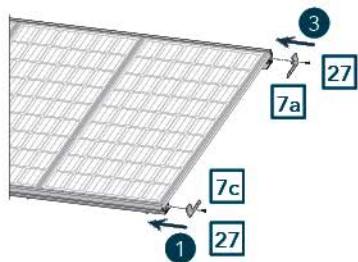
9 – Verrouillage des panneaux

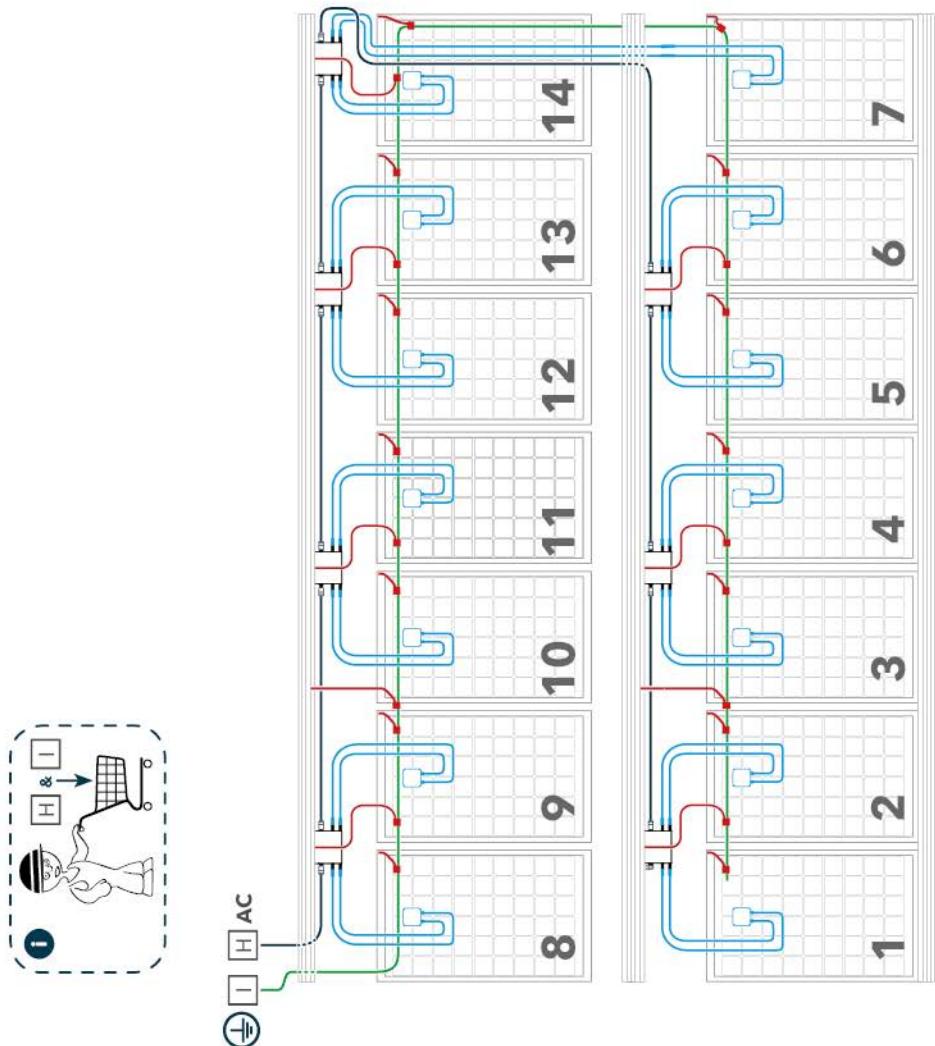


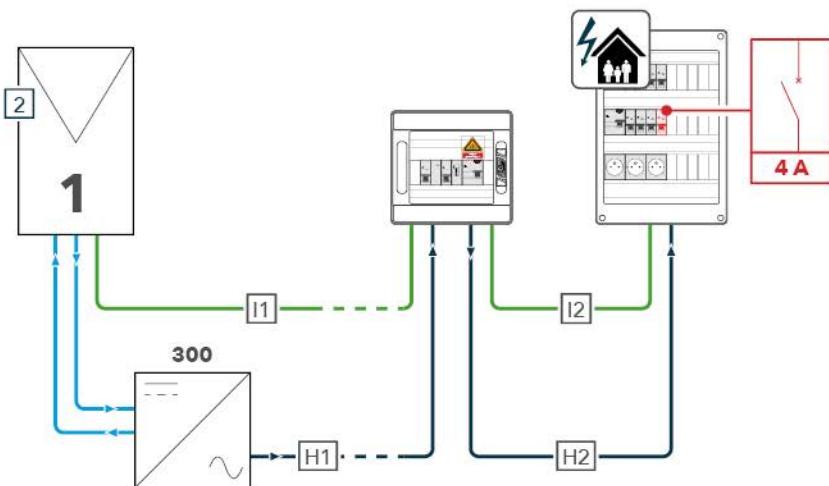
10



– Pose des bouchons –



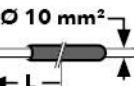
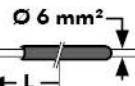
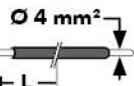




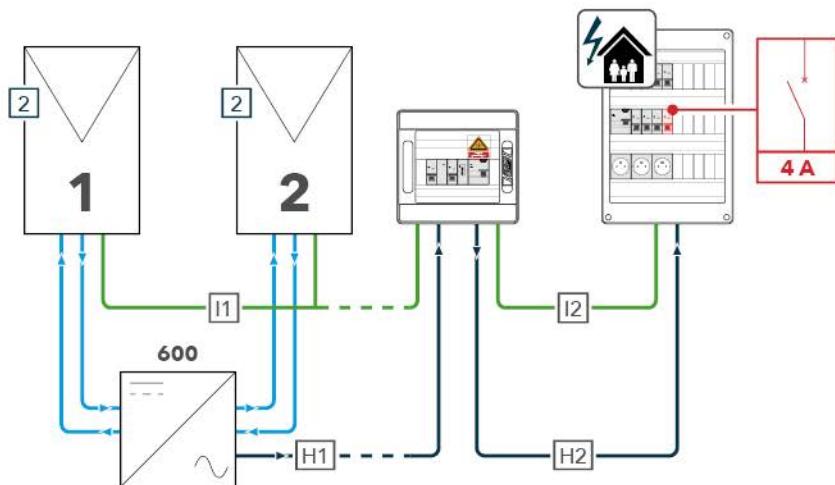








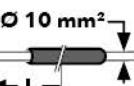
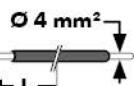
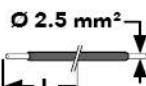
I1 & I2				
H1 + H2	$\leq 166 \text{ m}$	$3G2.5^2$	$\leq 267 \text{ m}$	$3G4^2$



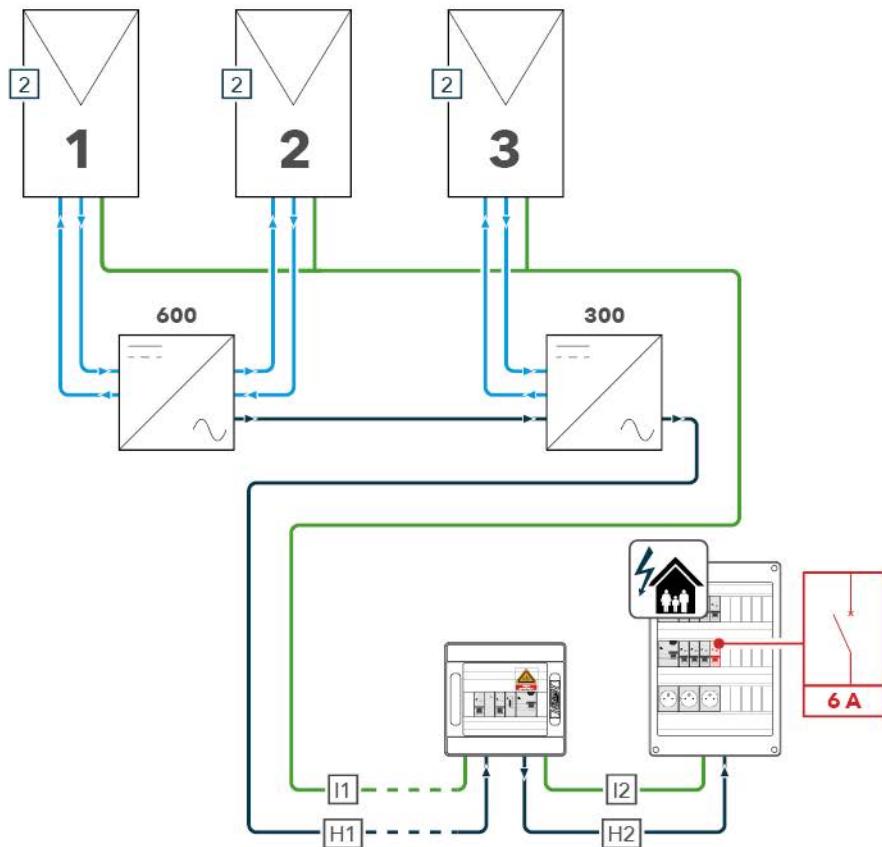
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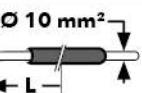
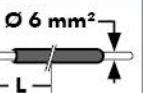
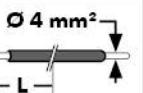
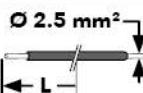


I1 & I2				
H1 + H2	$\leq 83 \text{ m}$	$3G2.5^2$	$\leq 133 \text{ m}$	$3G4^2$









[I1] & [I2]

X

[H1] + [H2]

$\leq 55 \text{ m}$

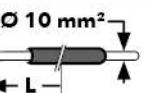
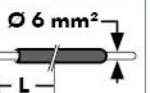
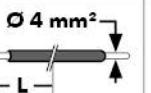
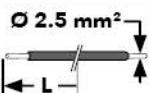
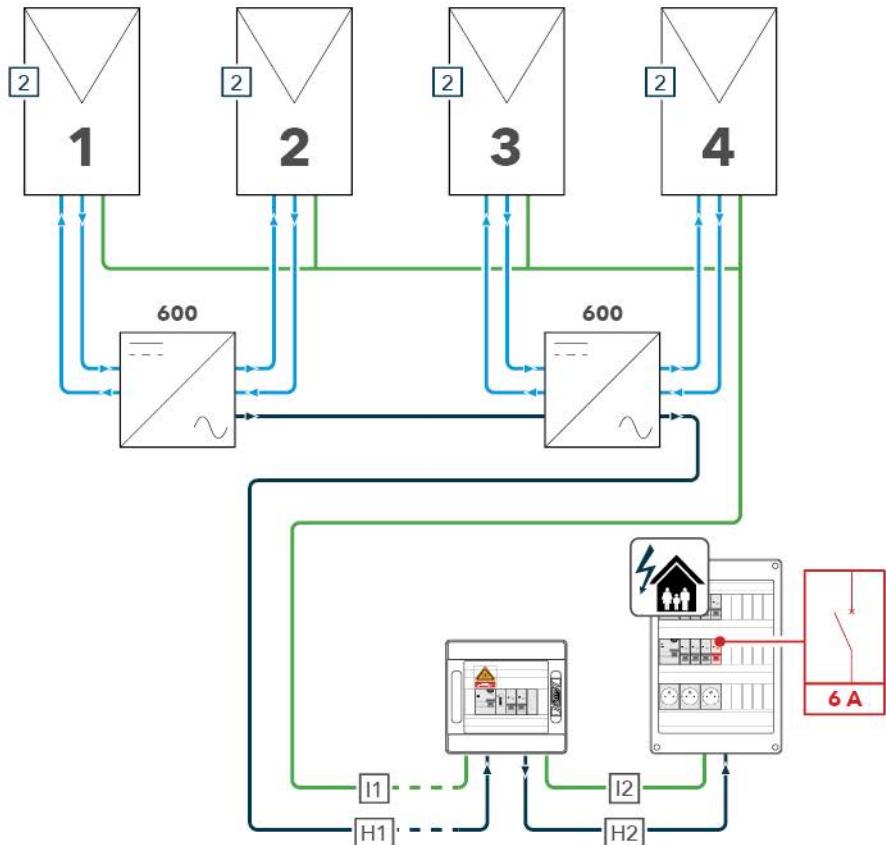
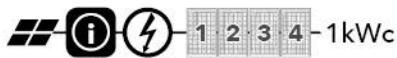
$3G2.5^2$

$\leq 89 \text{ m}$

$3G4^2$

✓

✓



[I1] & [I2]

X

[H1] + [H2]

$\leq 41 \text{ m}$

$3G2.5^2$

$\leq 66 \text{ m}$

$3G4^2$

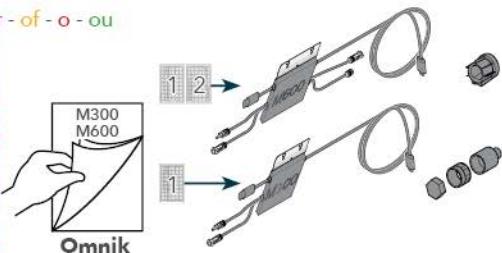
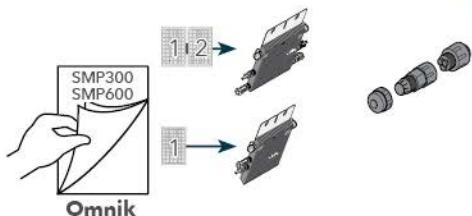
✓

✓

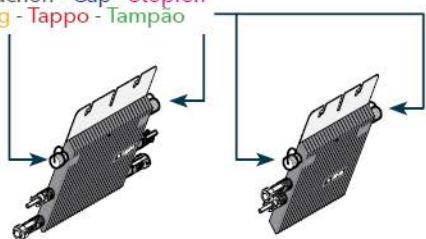


Infos Micro-Onduleur

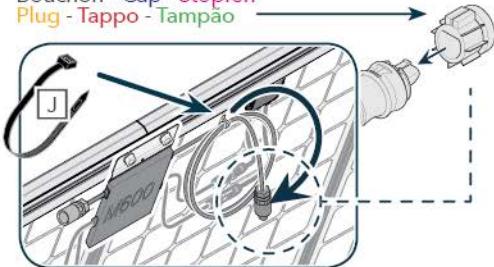
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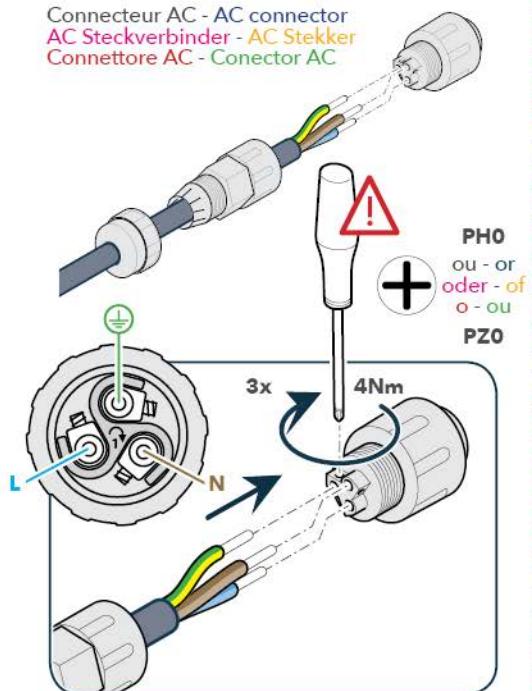
Bouchon - Cap - Stopfen
Plug - Tappo - Tampão



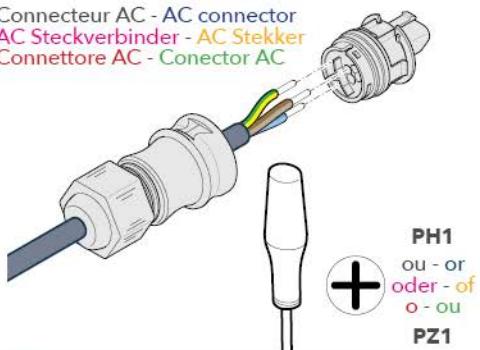
Bouchon - Cap - Stopfen
Plug - Tappo - Tampão



Connecteur AC - AC connector
AC Steckverbinder - AC Stekker
Connettore AC - Conector AC

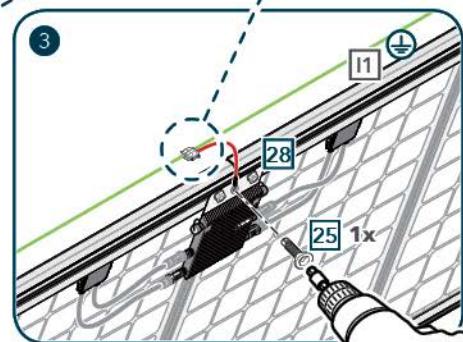
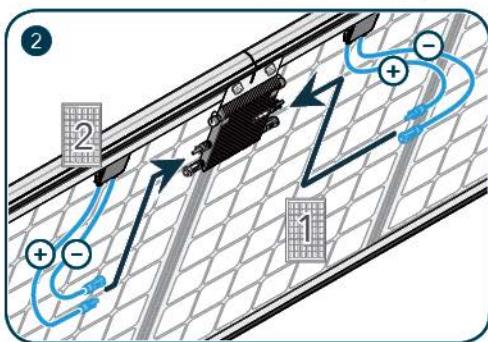
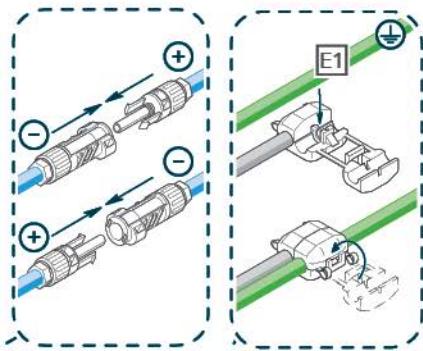
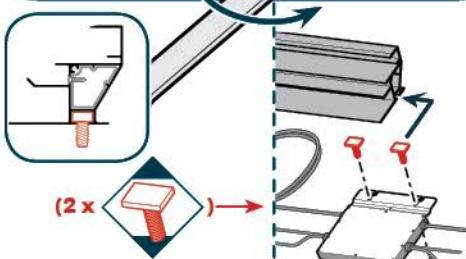
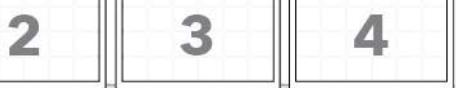
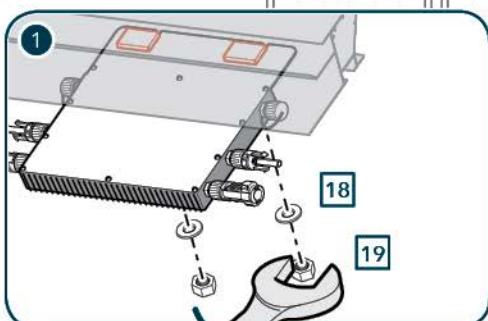
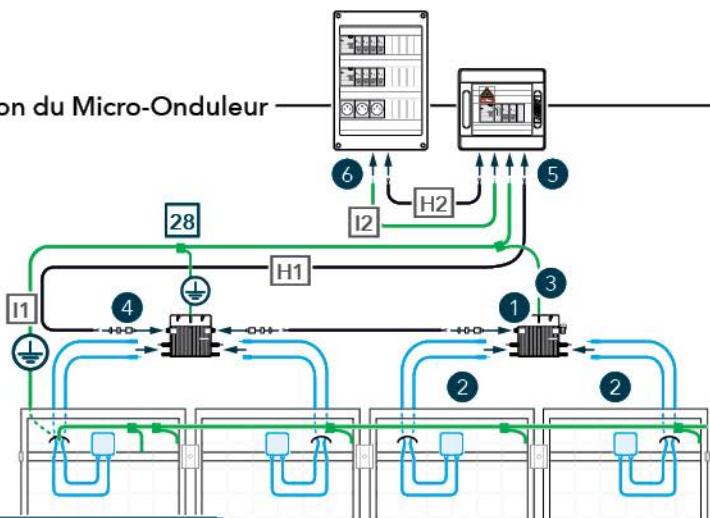
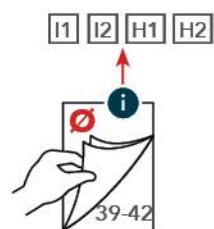


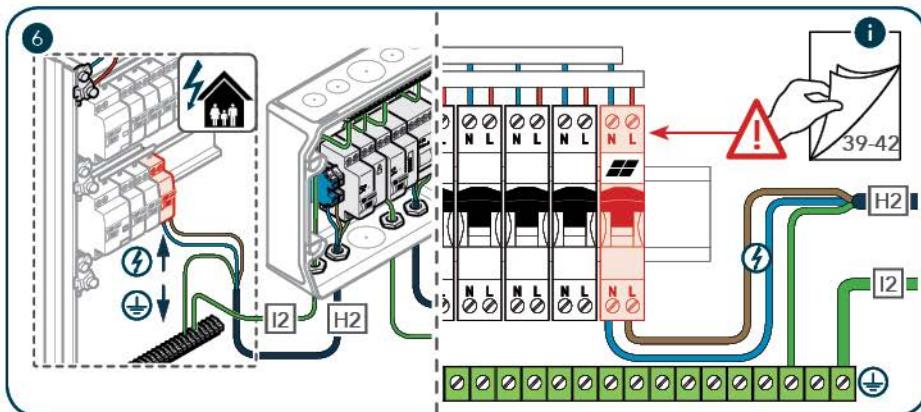
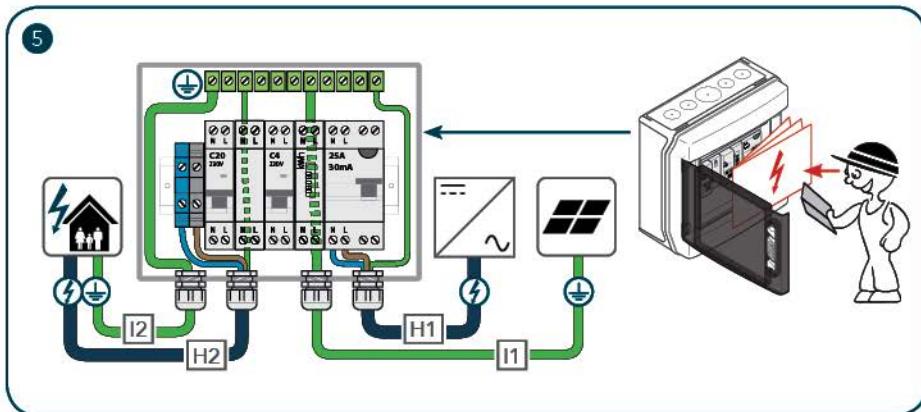
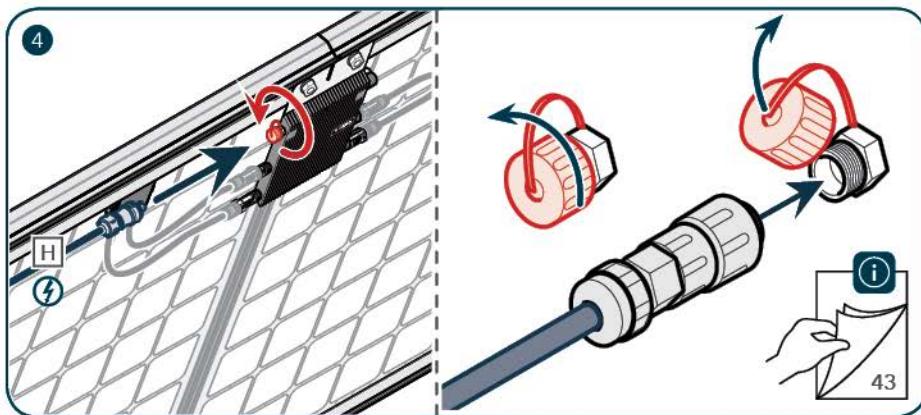
Connecteur AC - AC connector
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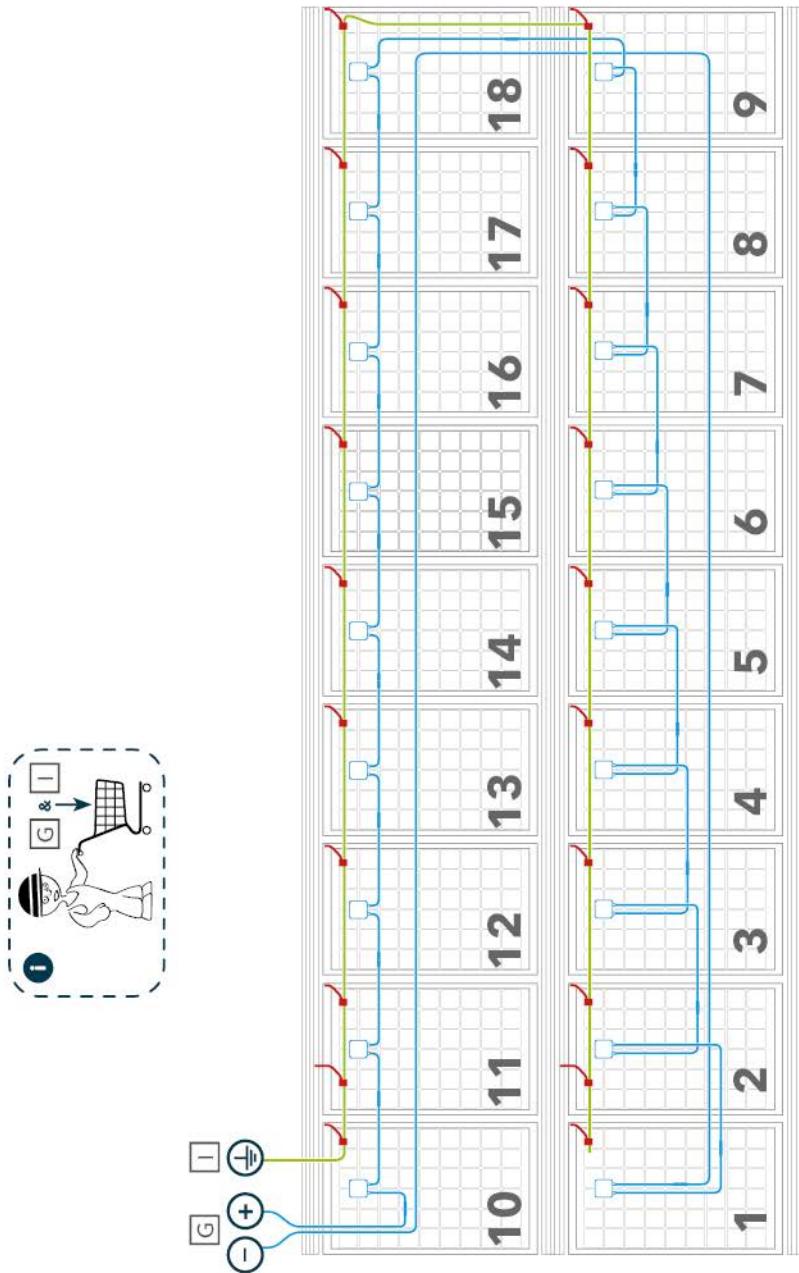




Installation du Micro-Onduleur









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