

Assembly

- Assembly overview and video tutorials
- Assembly manuals
- Maintenance manual
- Common mistakes (check list)
- Contact





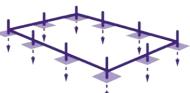
1. Identify appropriate location and ground conditions

Better Shelter assembly overview



7 / 8 h the first RHU 4 / 6 h on speed





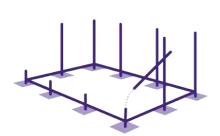
2. Install anchors and foundation (video 1)(video 2)(video 3)(video 4) (video 5)



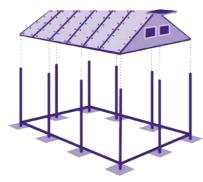
3. Assemble roof structure (video 6)(video 7)(video 8)



4. Attach panels, ventilation and solar panel (video 9)(video 10)(video 11) (video 12)(video 13)



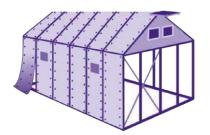
5. Install pipes on foundation (video 14)



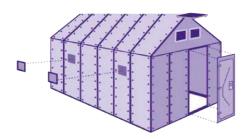
6. Mount roof on frame



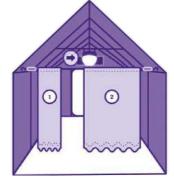
7. Add pipes and cross wires



8. Attach panels (video 15)



9. Install windows and door (video 16)(video 17)



10. Install lamp and divider (video 18)

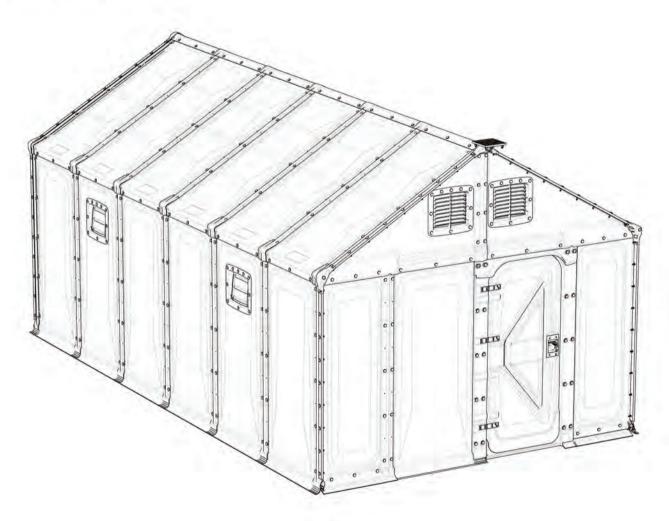


11. Install floor (video 19)

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Pre Assembly Manual

Manual de Montaje Manuel de Montage Montageanleitung Manuale di Montaggio

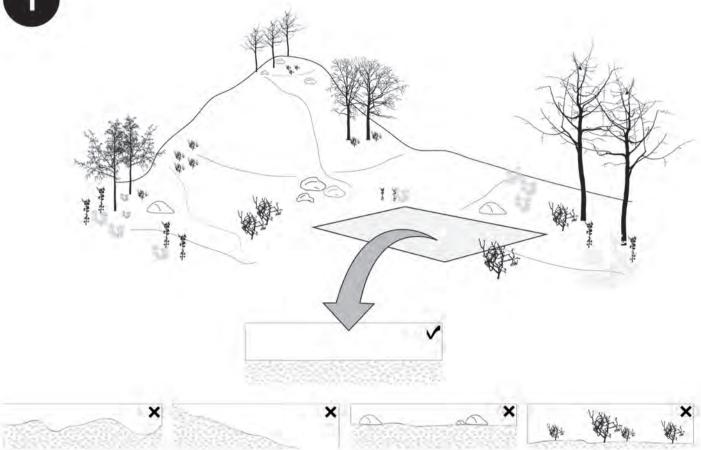


Important control steps marked in red خطوات مهمة للتحكم ملونة باللون الأحمر

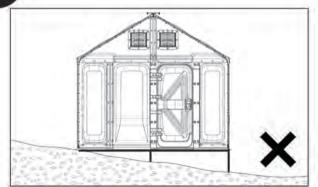
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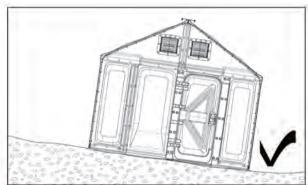
Version 3.0 201709 @ 2017 Retter Shelter RHU AR



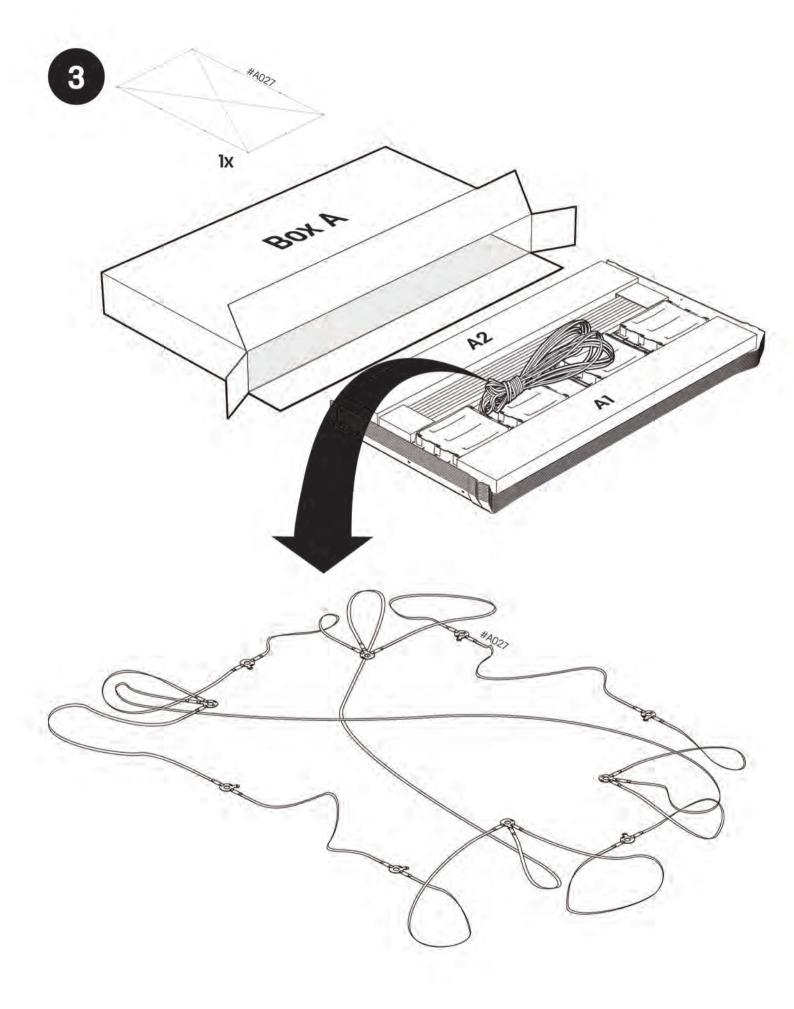


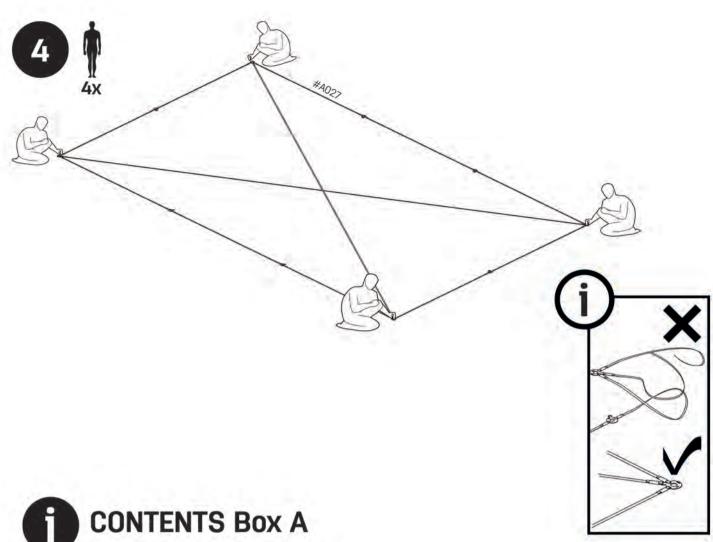
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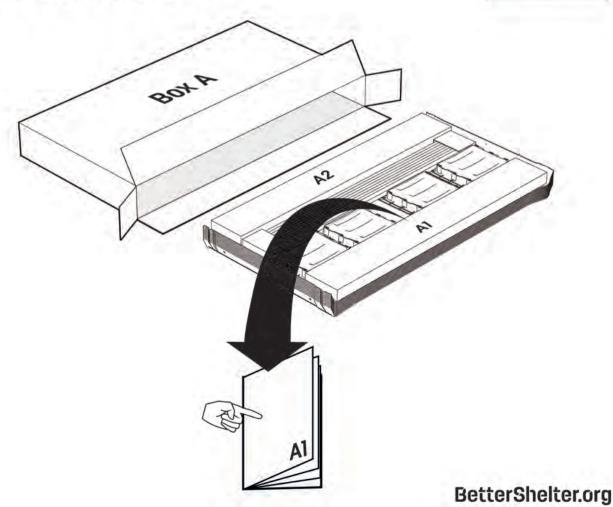




Max 6 degrees slope



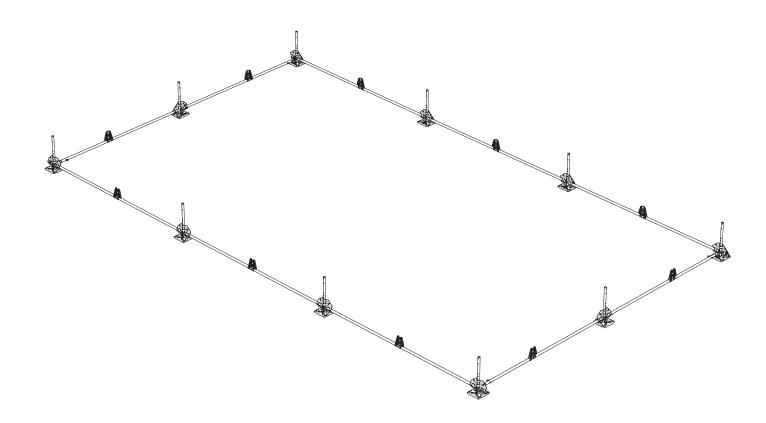




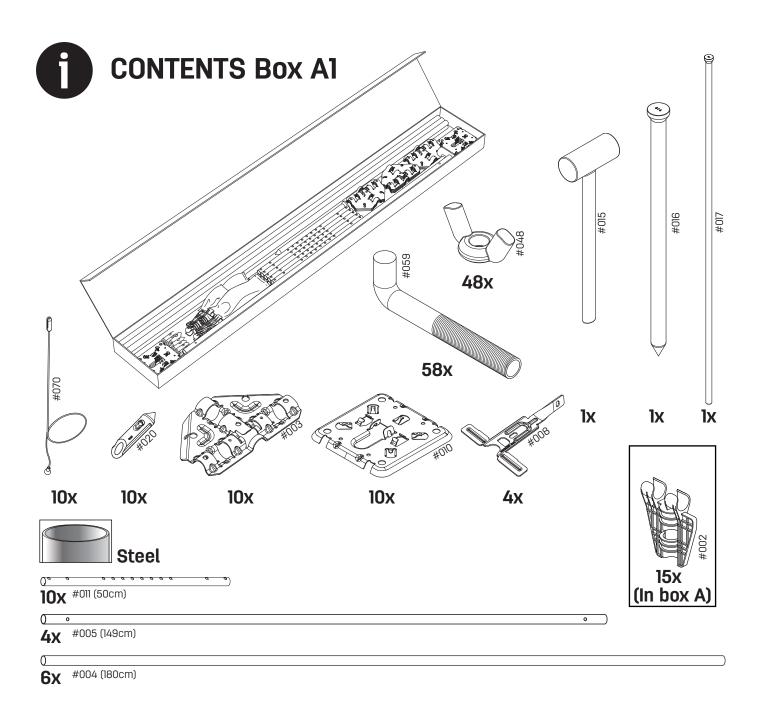
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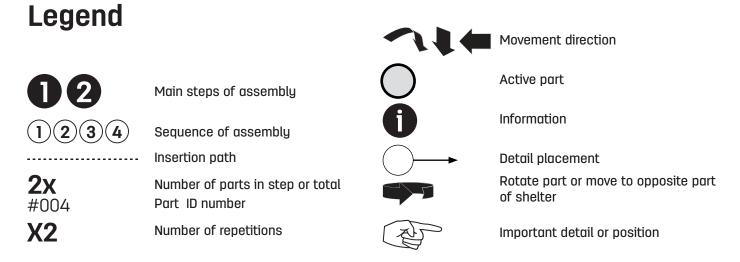
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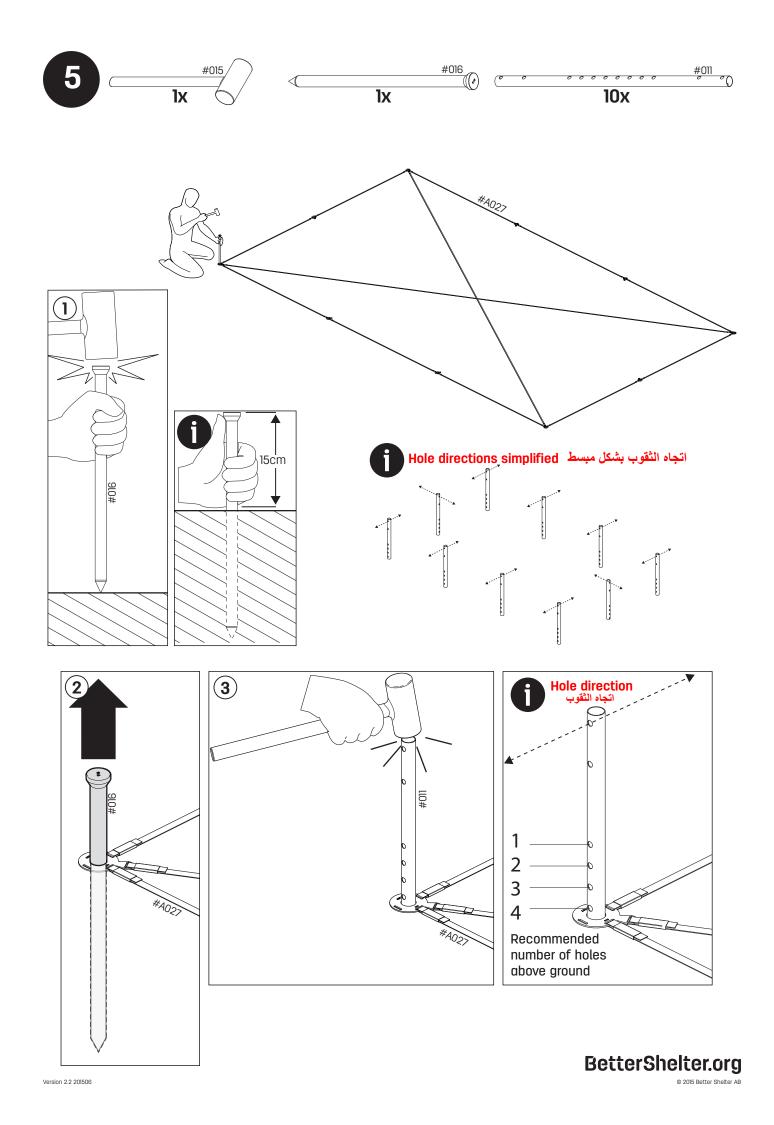
Manual de Montaje Manuel de Montage Montageanleitung Manuale di Montaggio

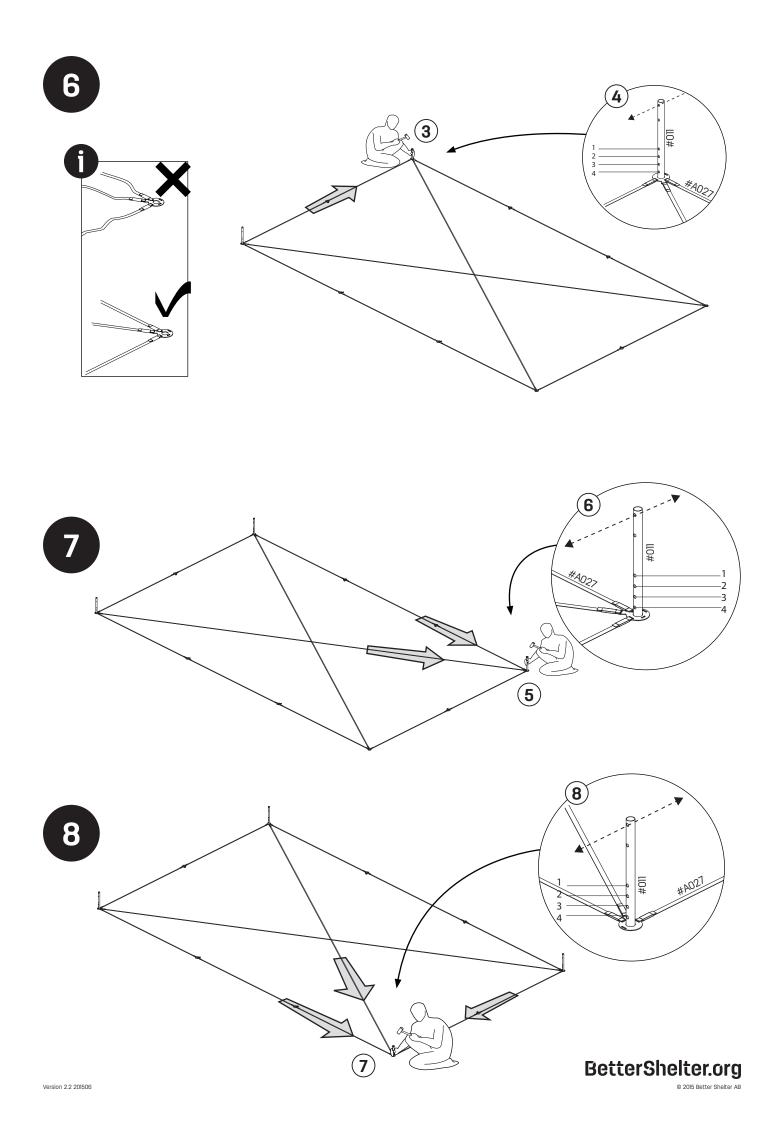


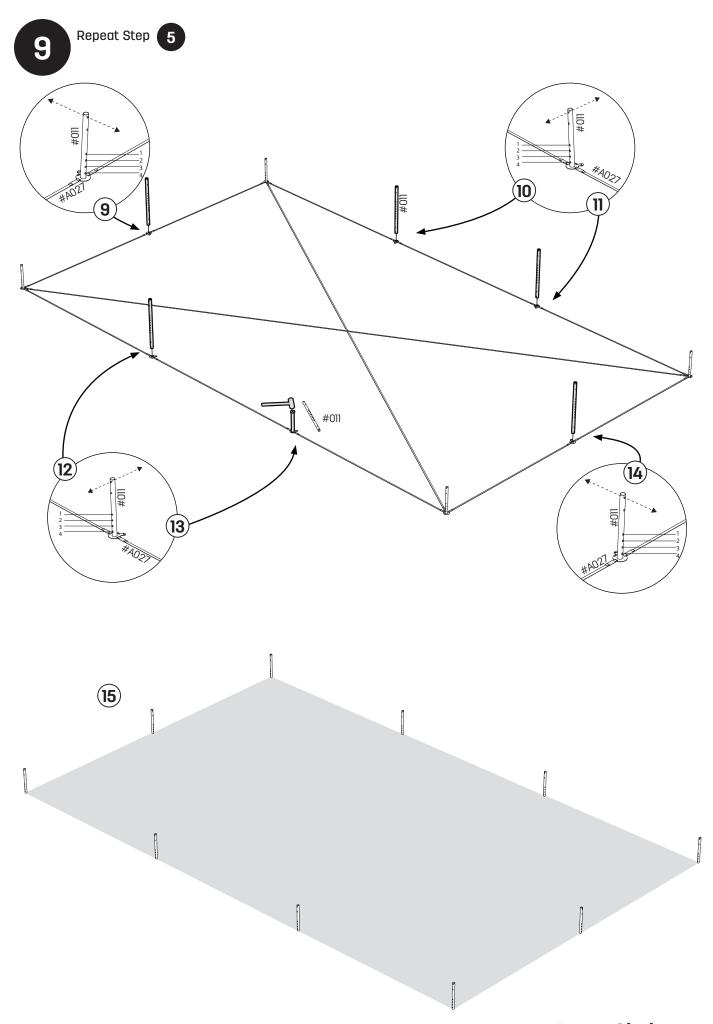
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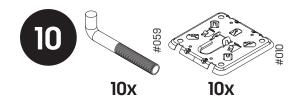


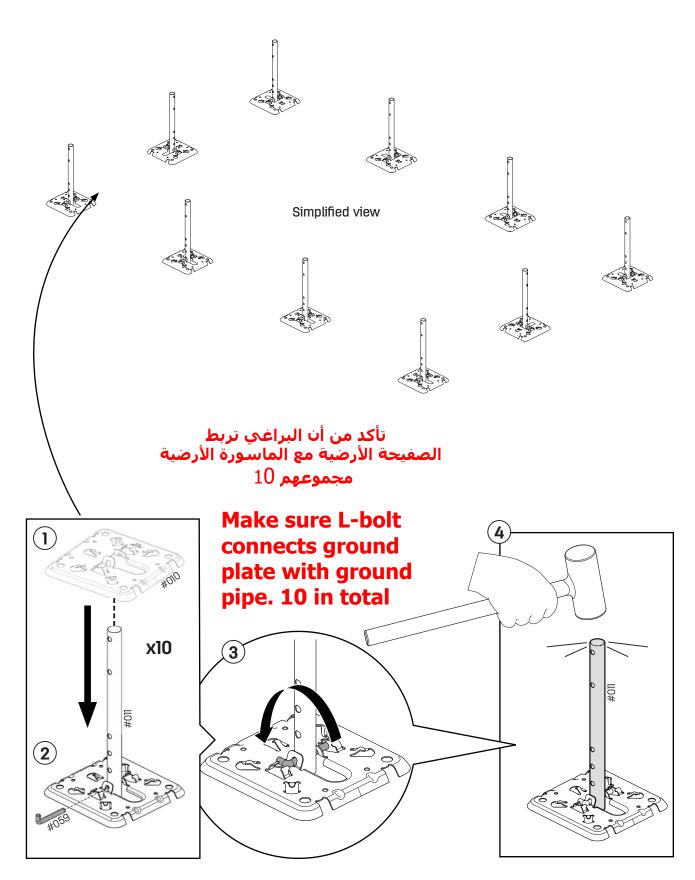


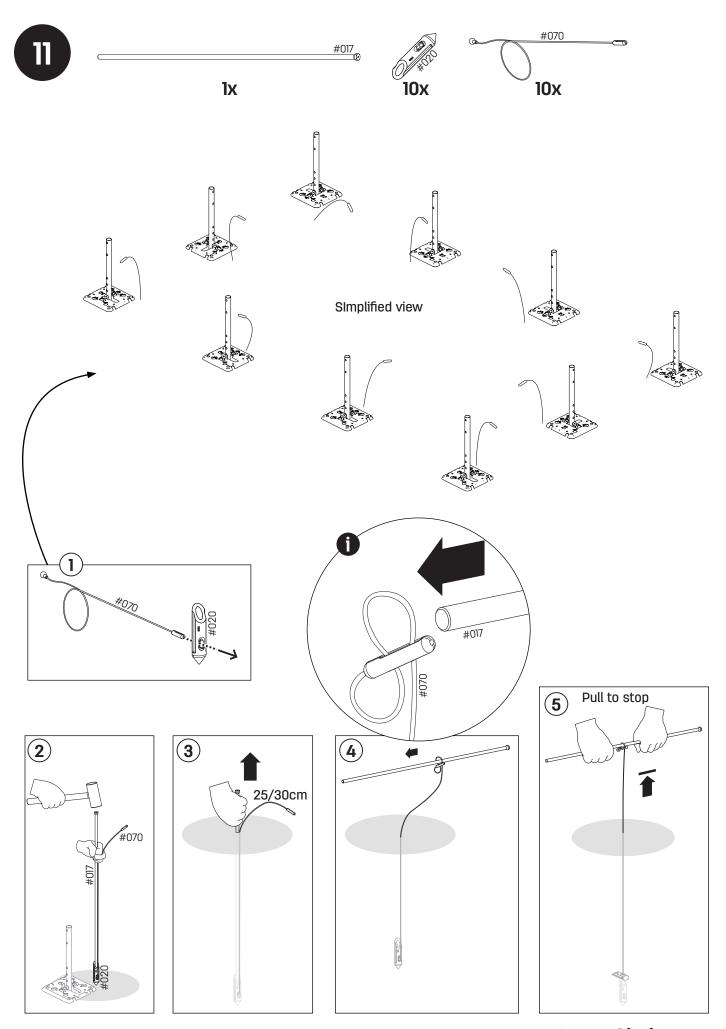


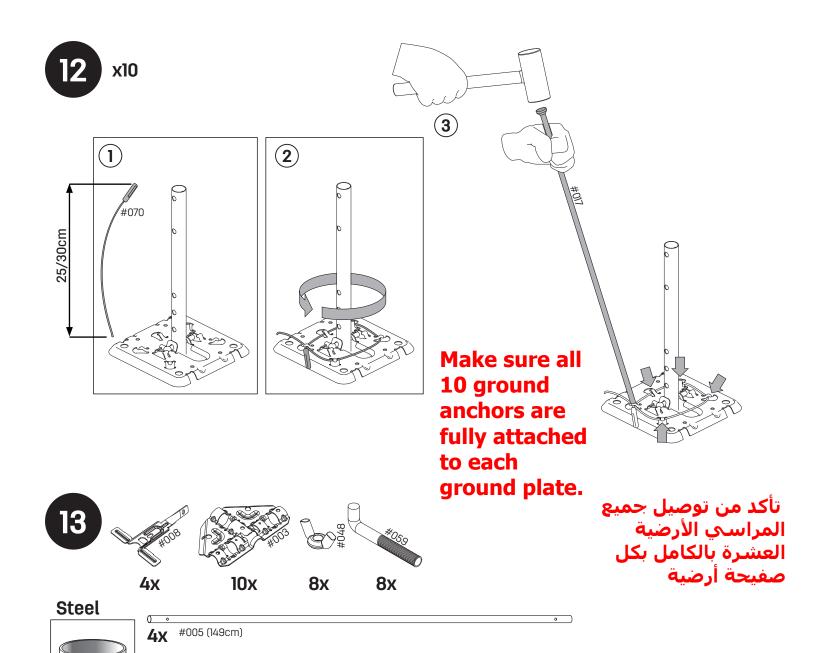


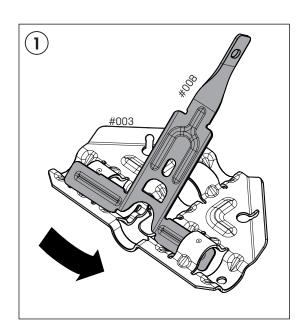




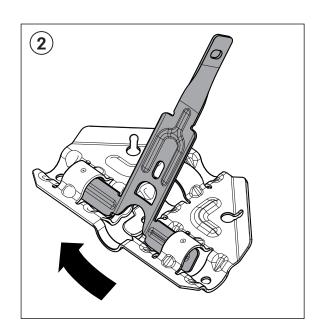


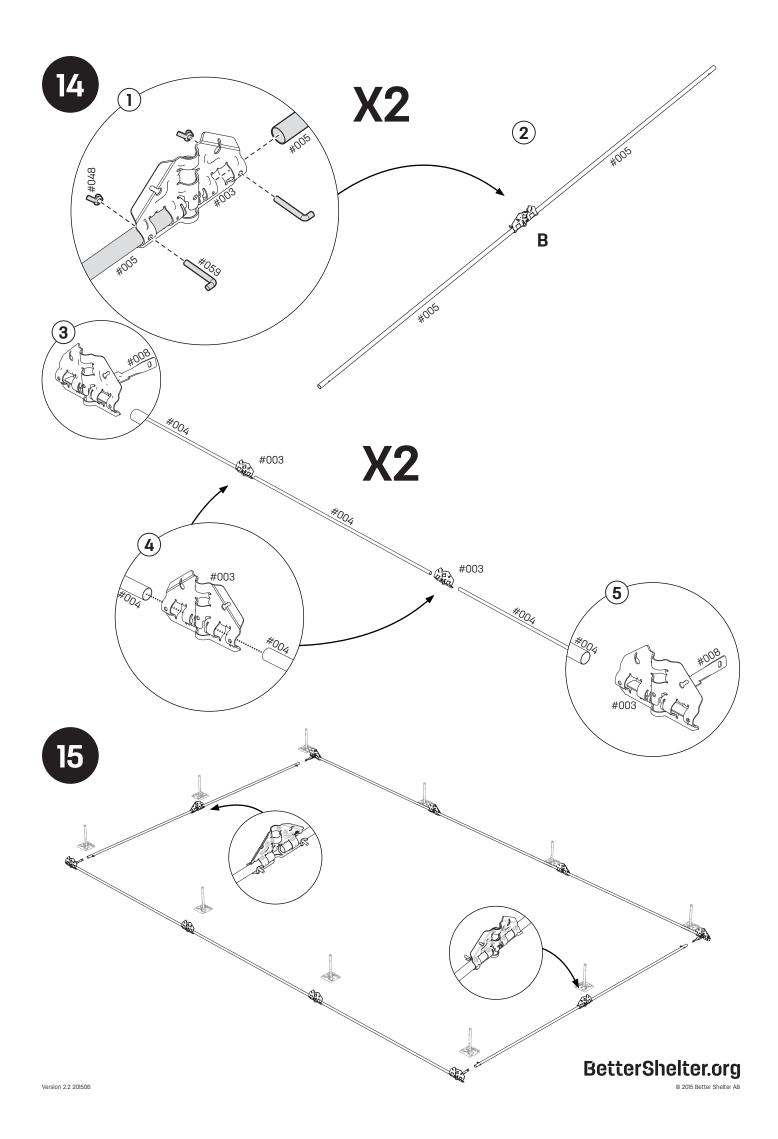


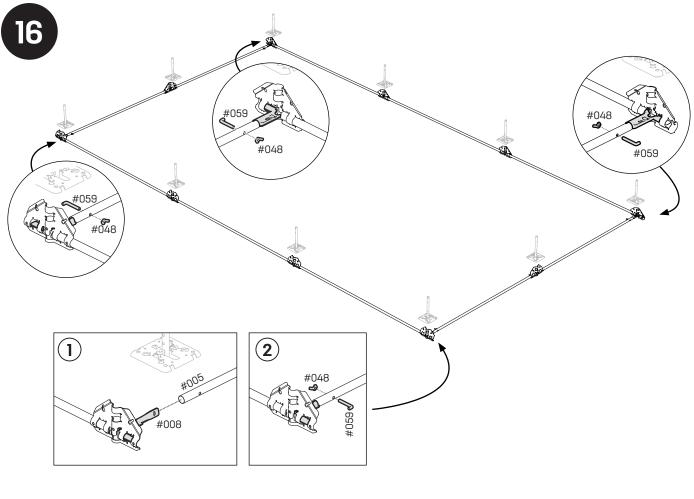


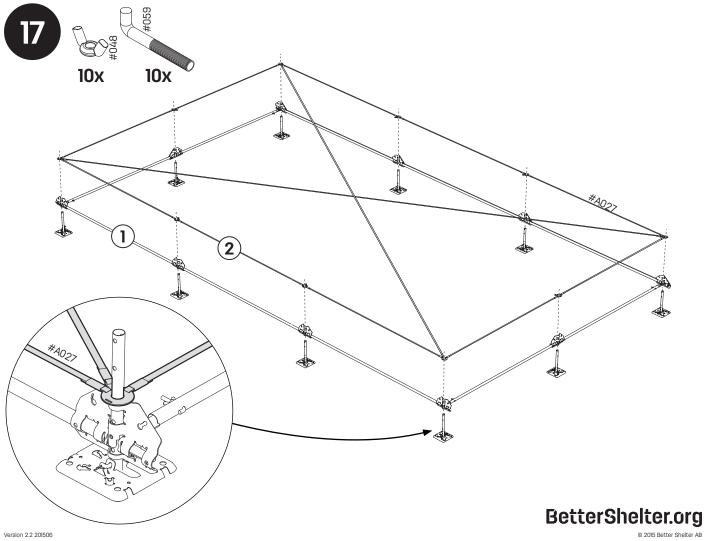


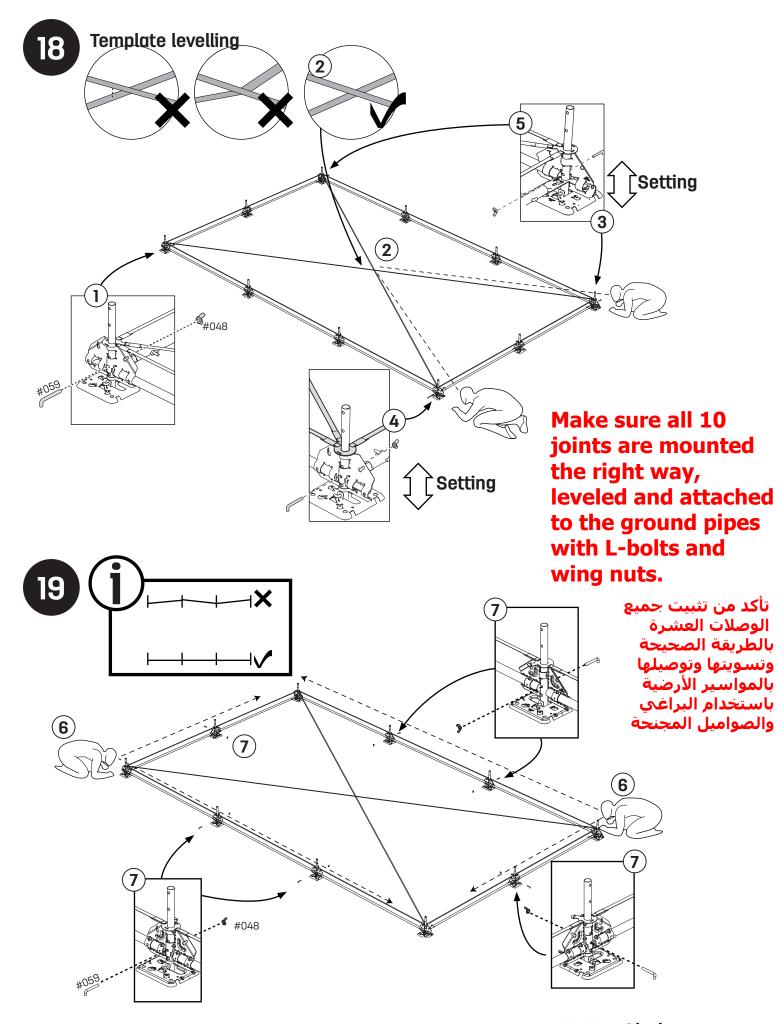
6x #004 (180cm)

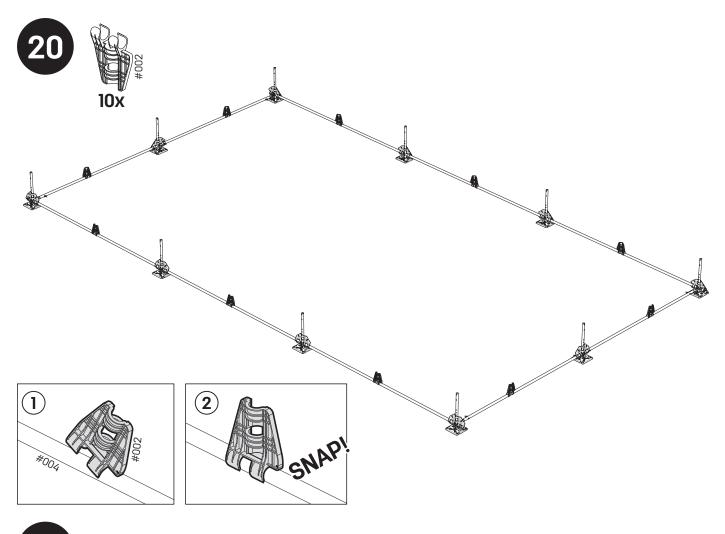


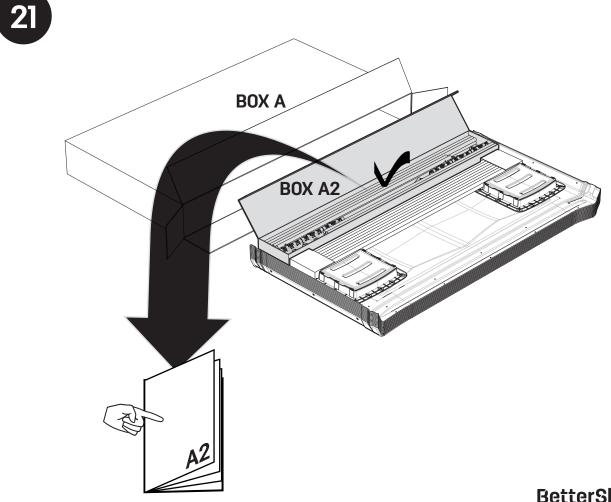






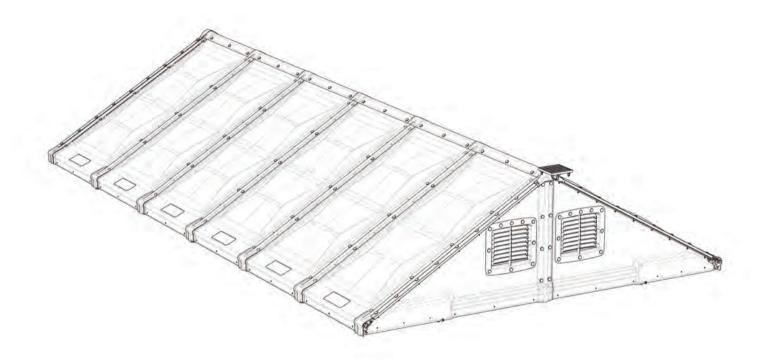




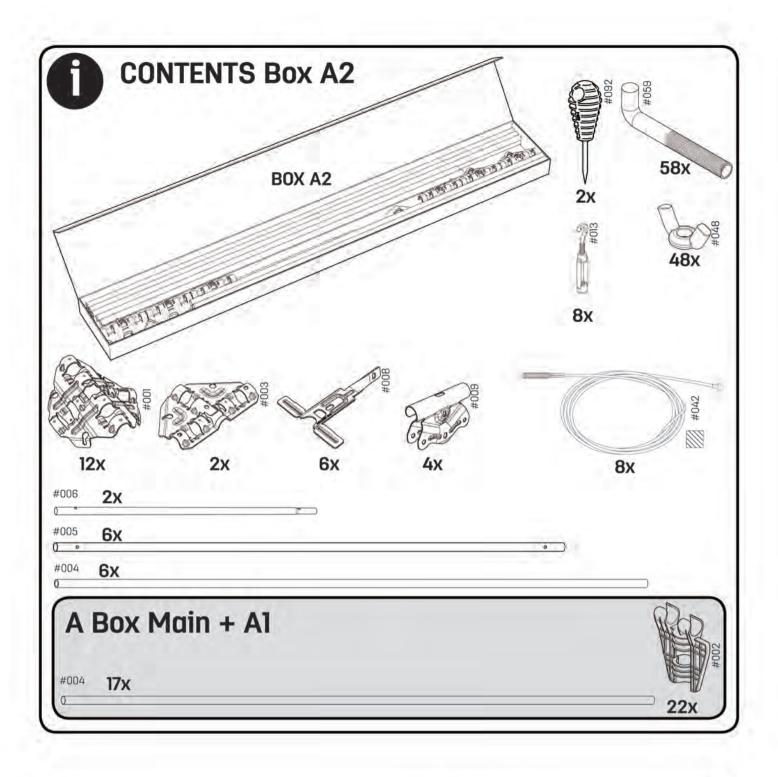


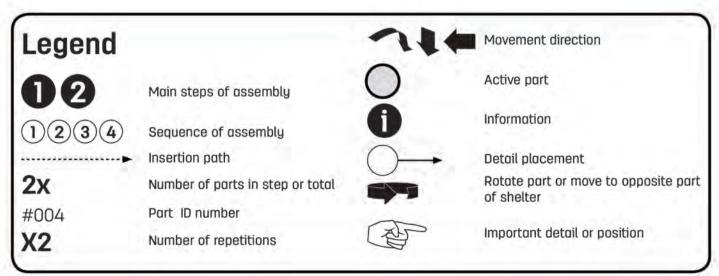
A2 _ Roof Assembly Manual

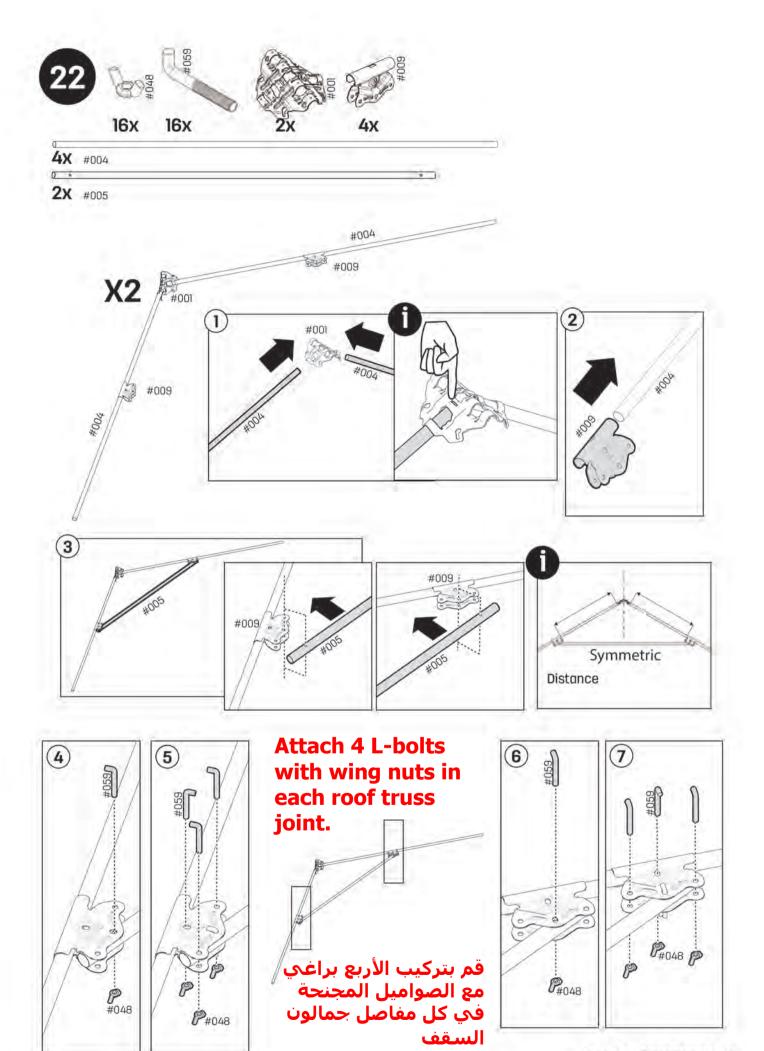
Manual de Montaje Manuel de Montage Montageanleitung Manuale di Montaggio

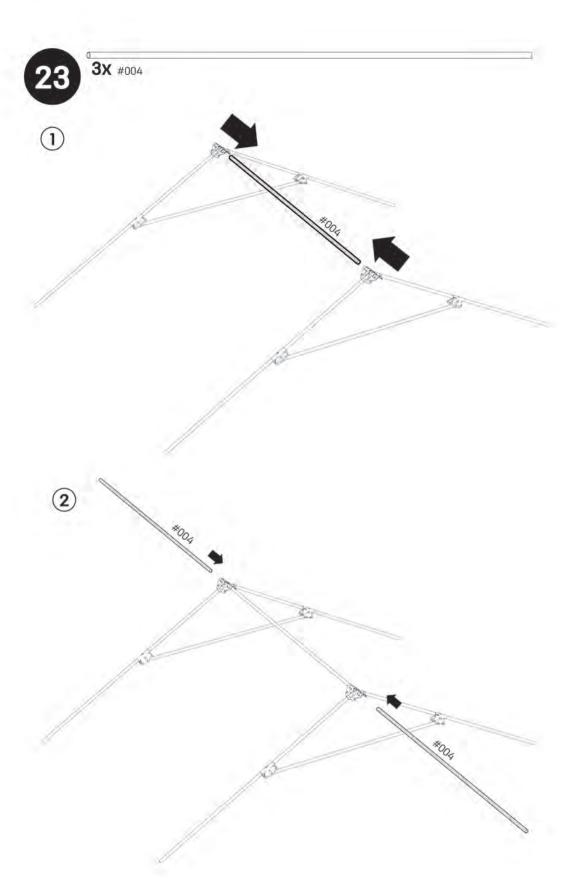


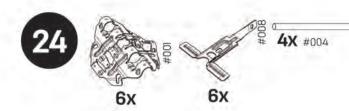
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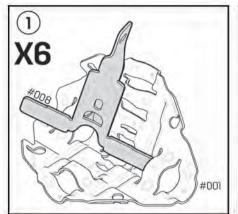


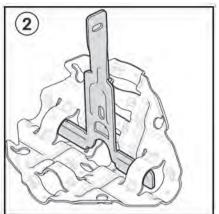


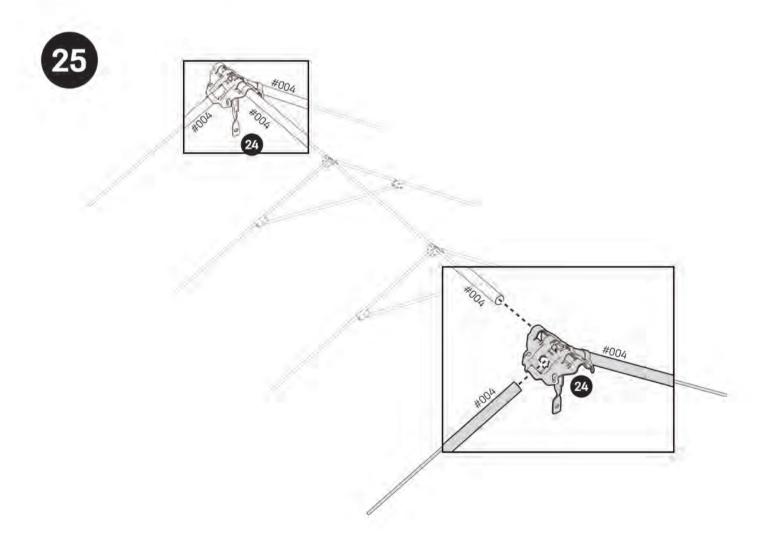


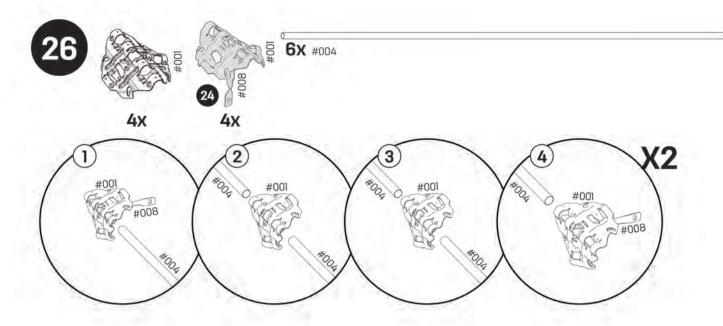


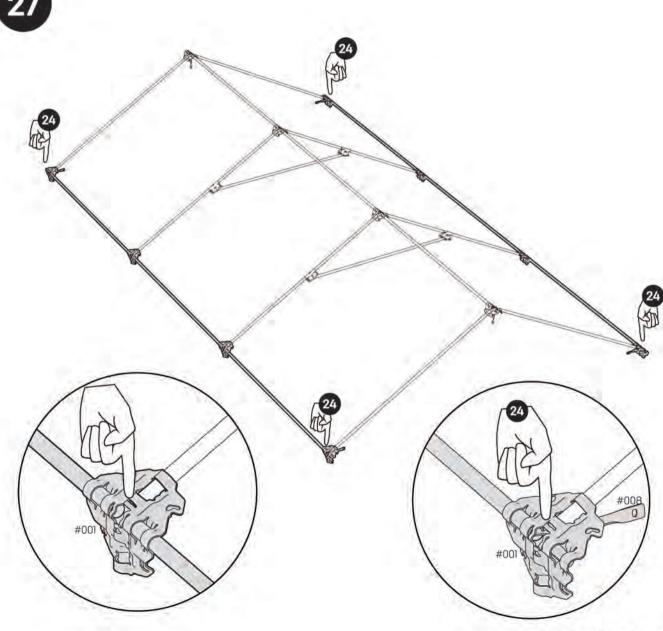


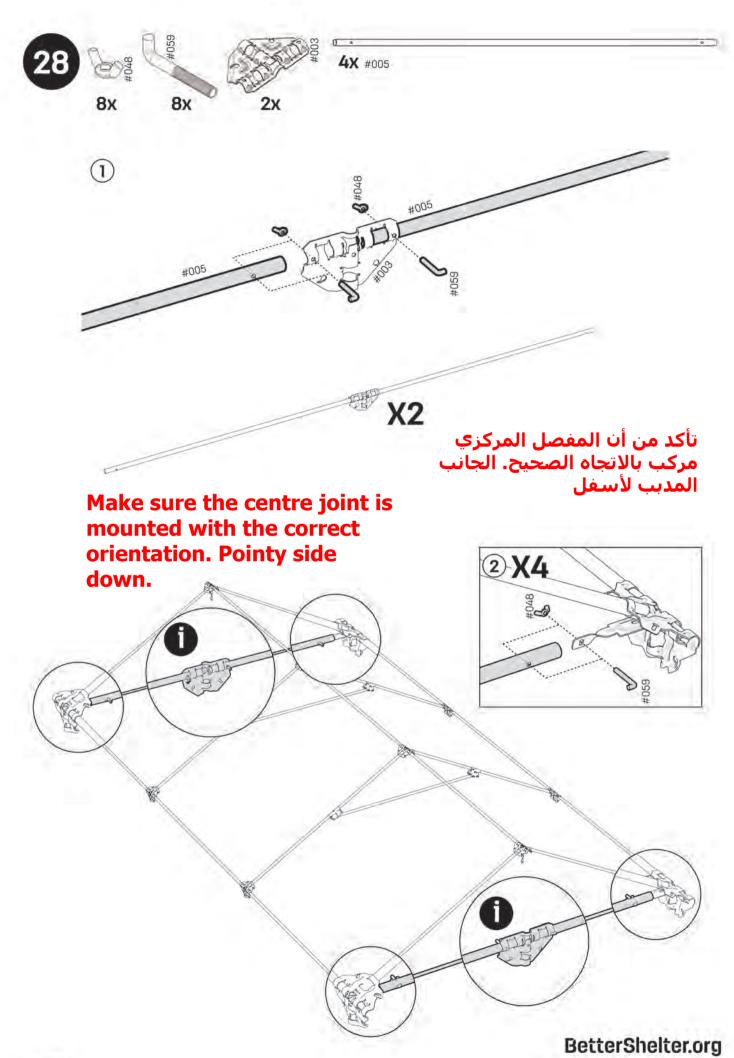


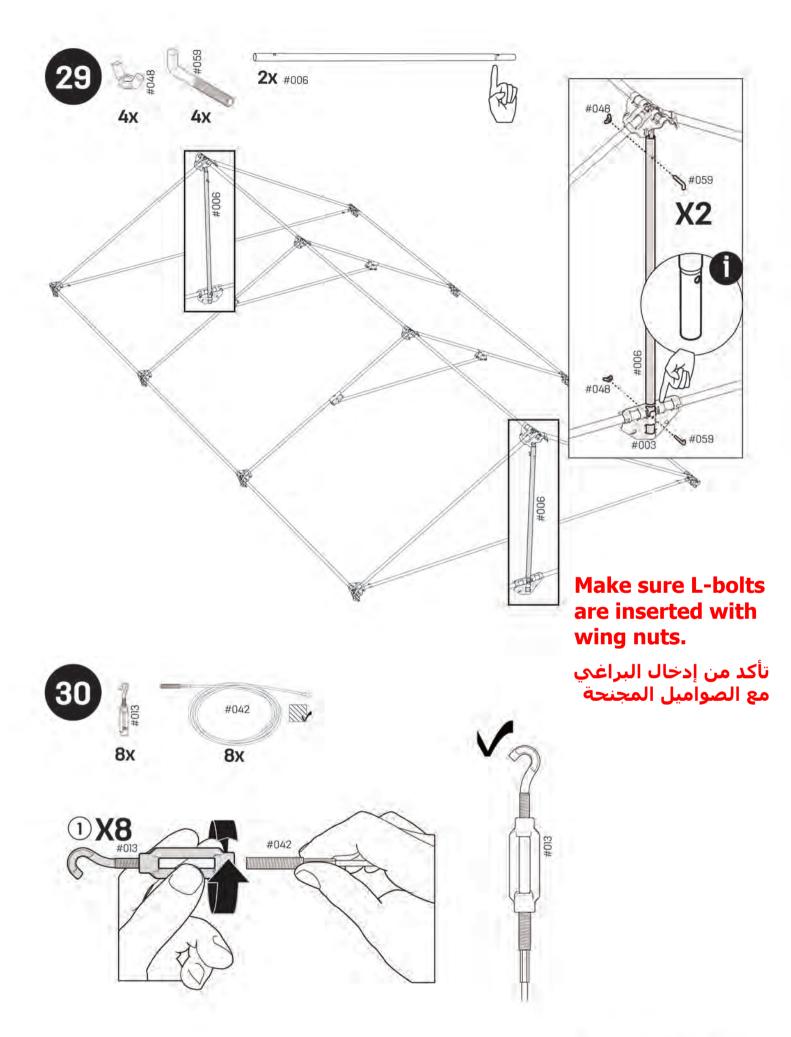


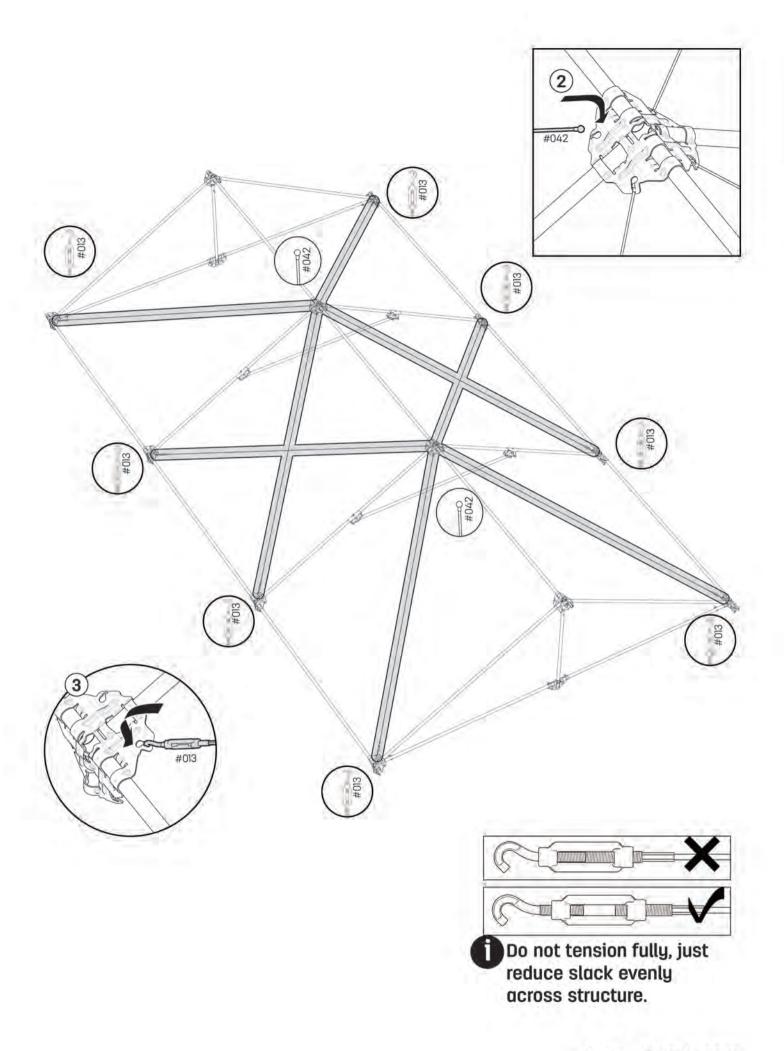


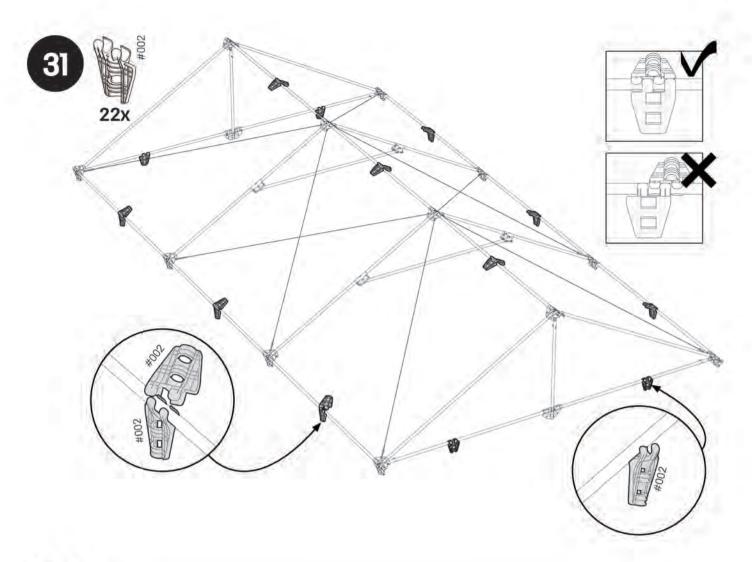


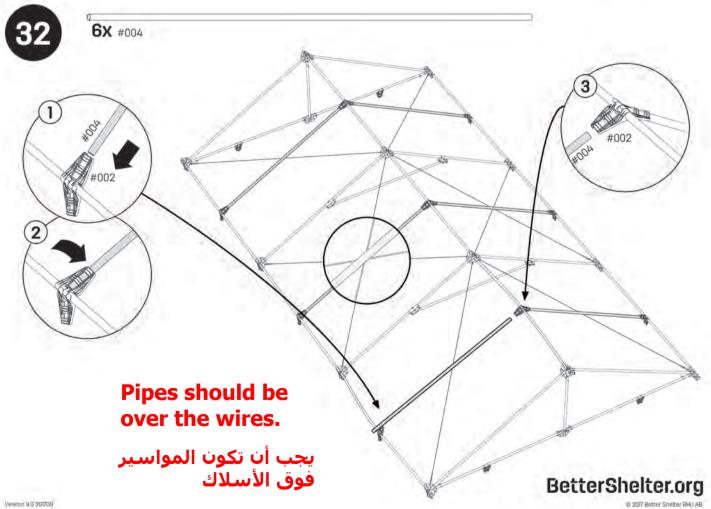


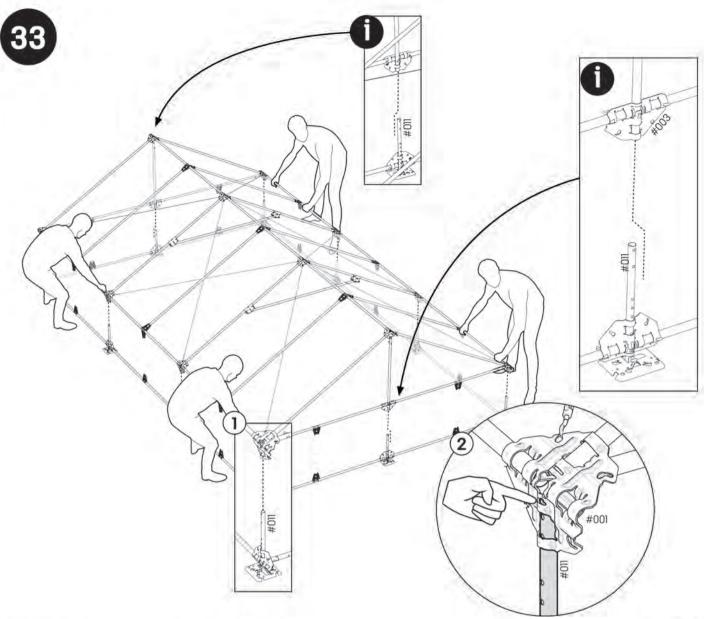


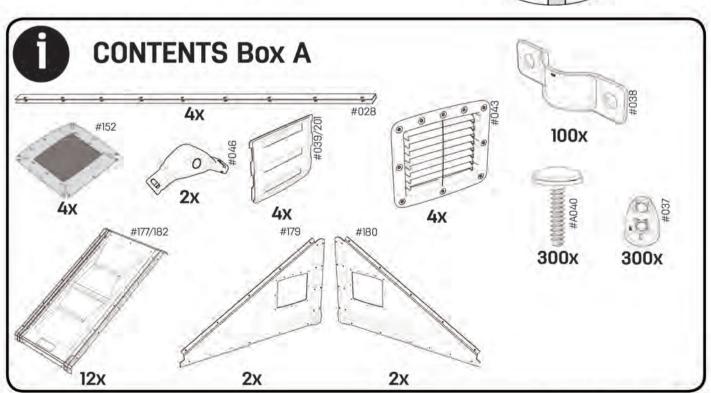


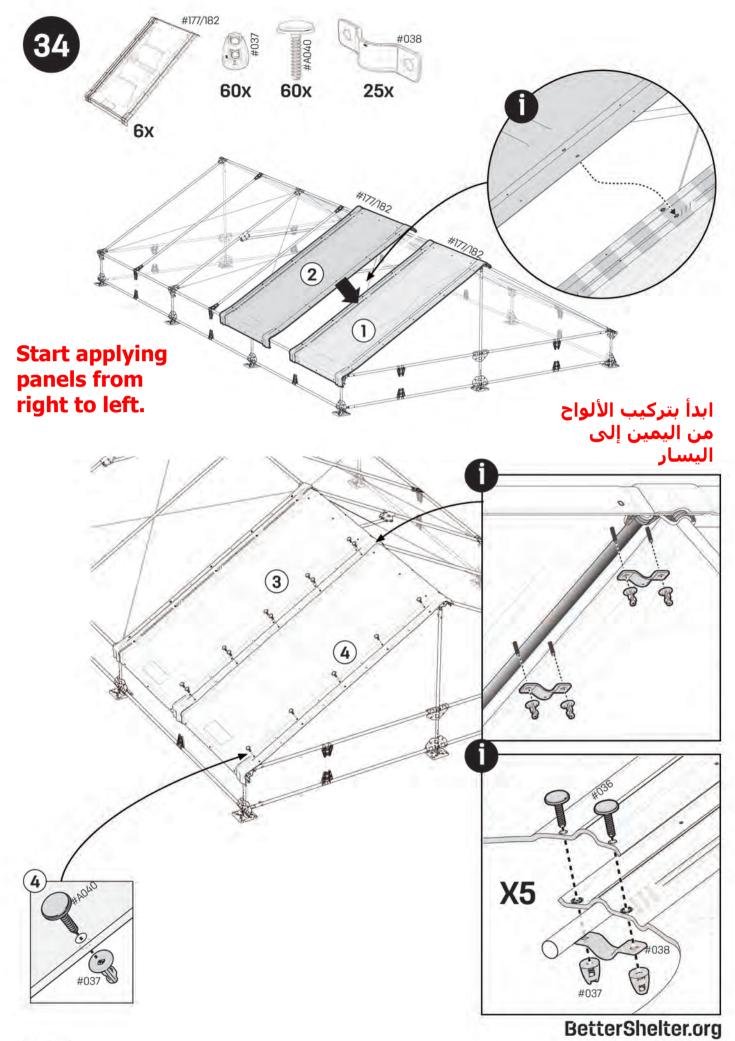


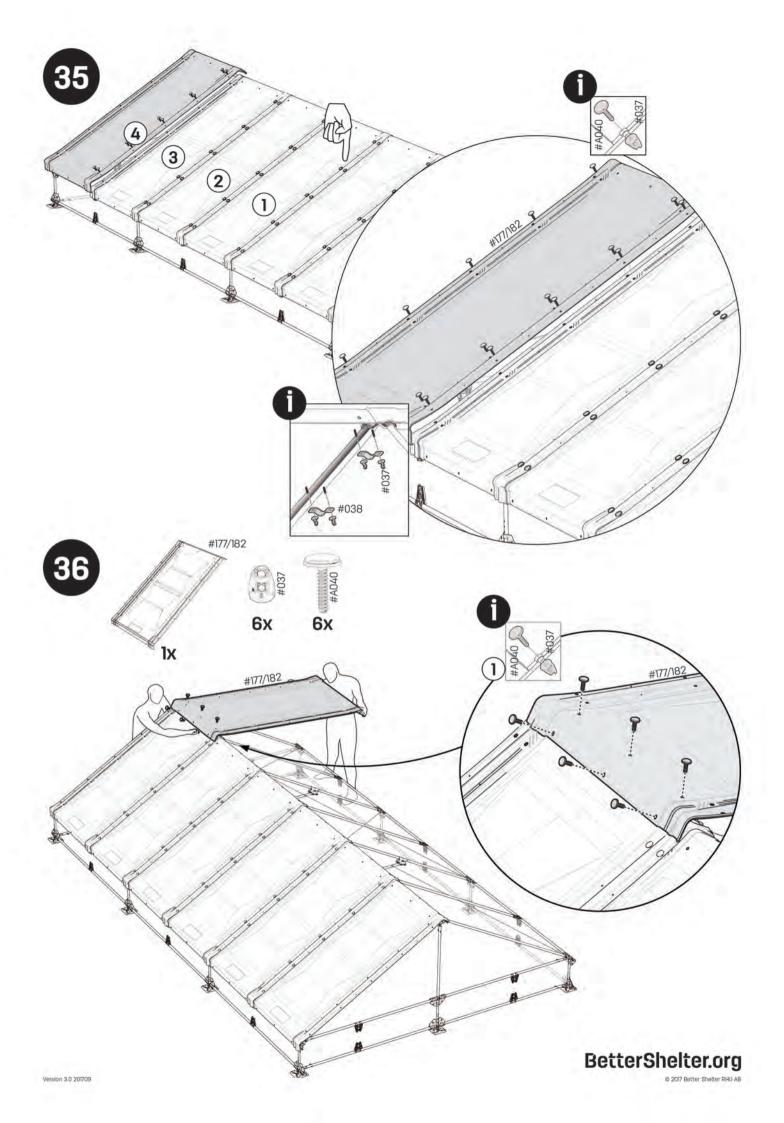


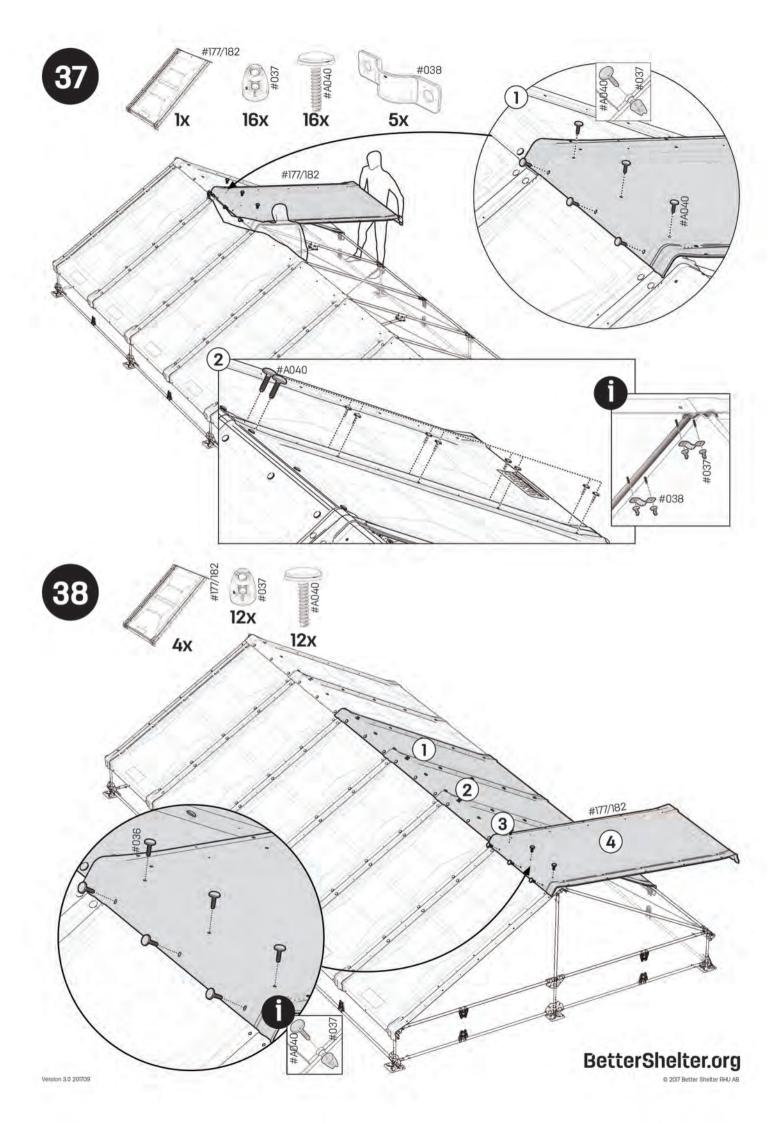


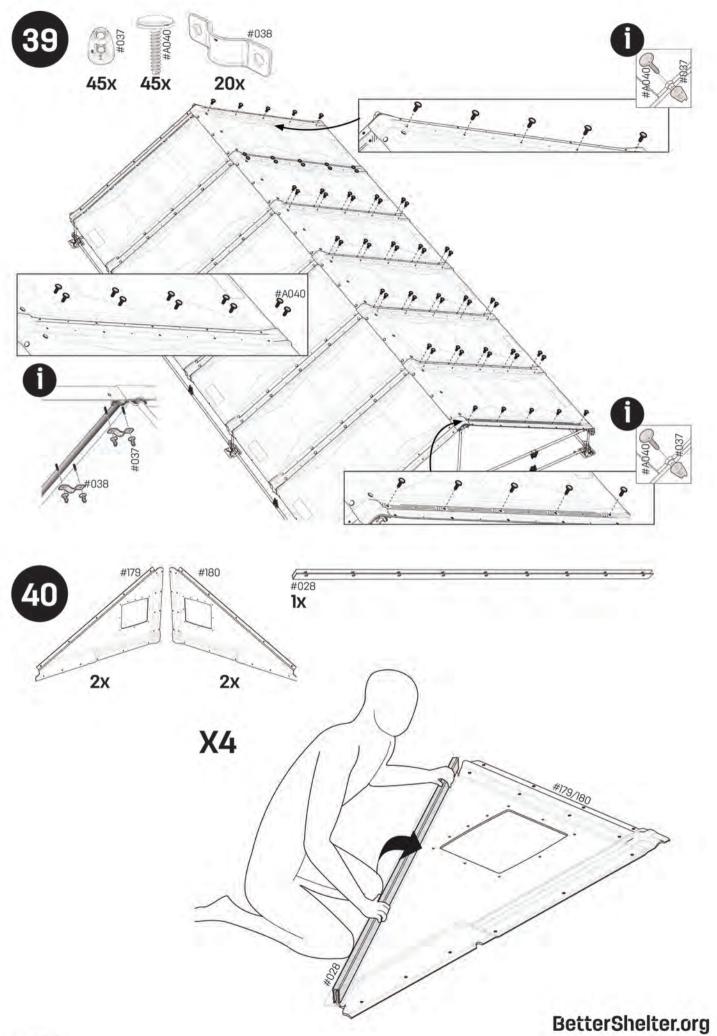


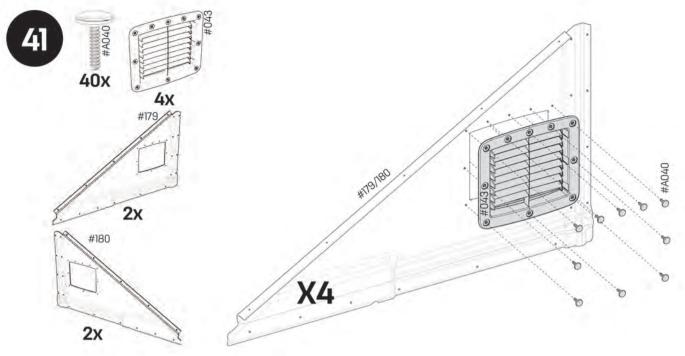




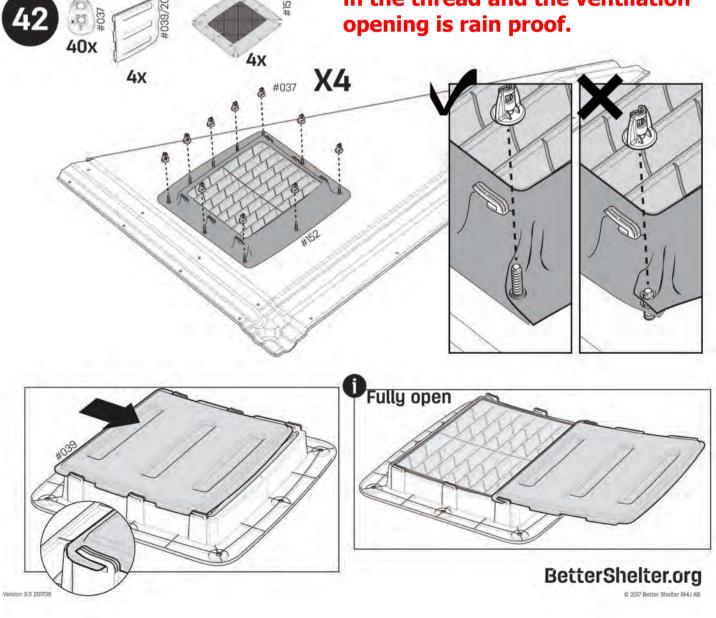


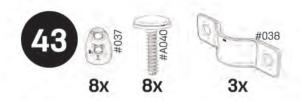


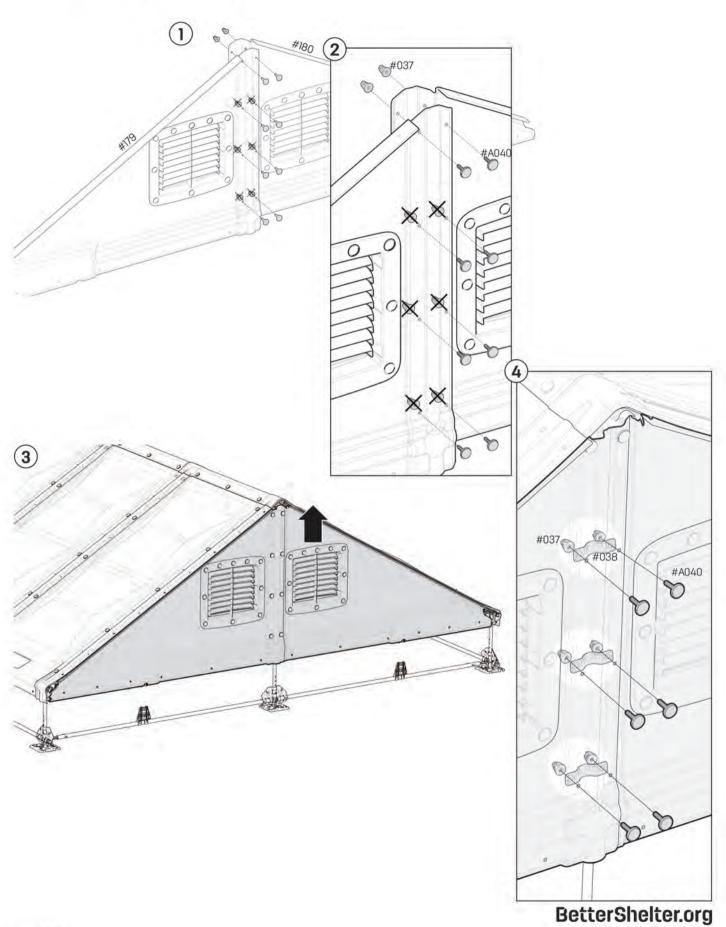


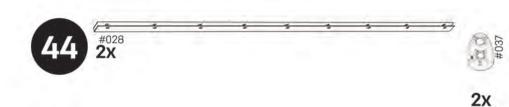


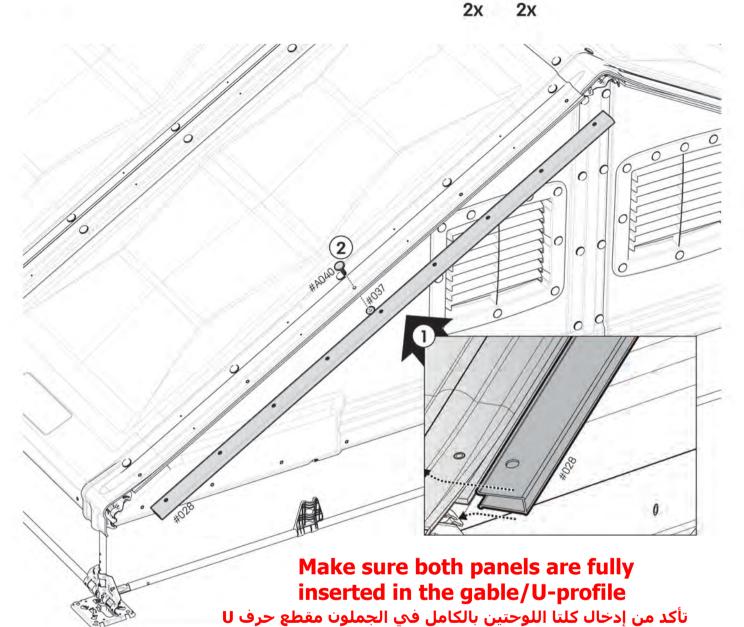
قم بدفع نسيج الناموسية بالكامل فوق البراغي حتى لا يتشابك القماش وتكون فتحة التهوية مقاومة للمطر Push the fabric of the mosquito net all the way over the bolt so that the fabric does not get tangled up in the thread and the ventilation opening is rain proof.

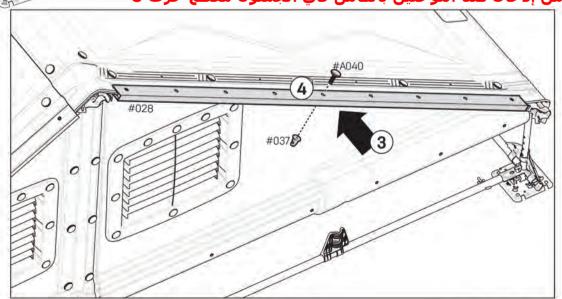


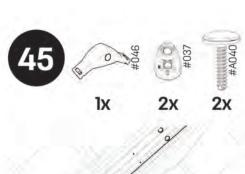


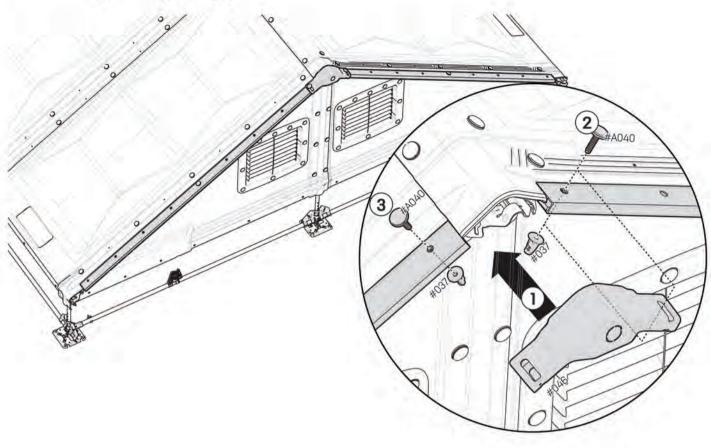


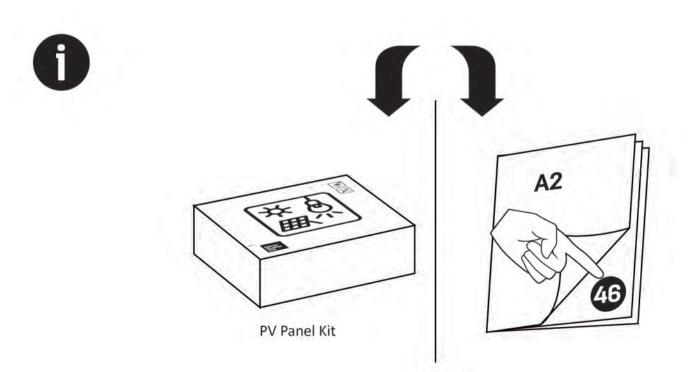


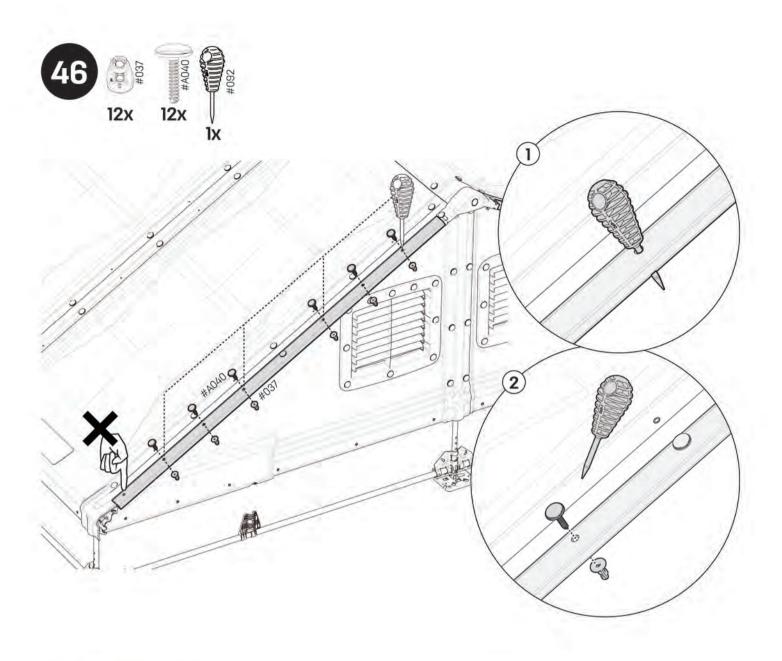


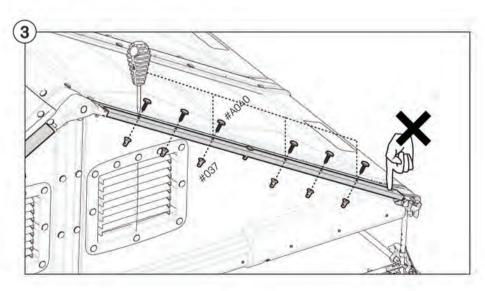


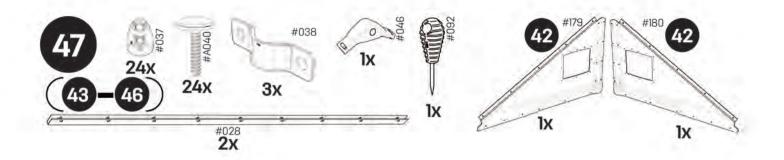


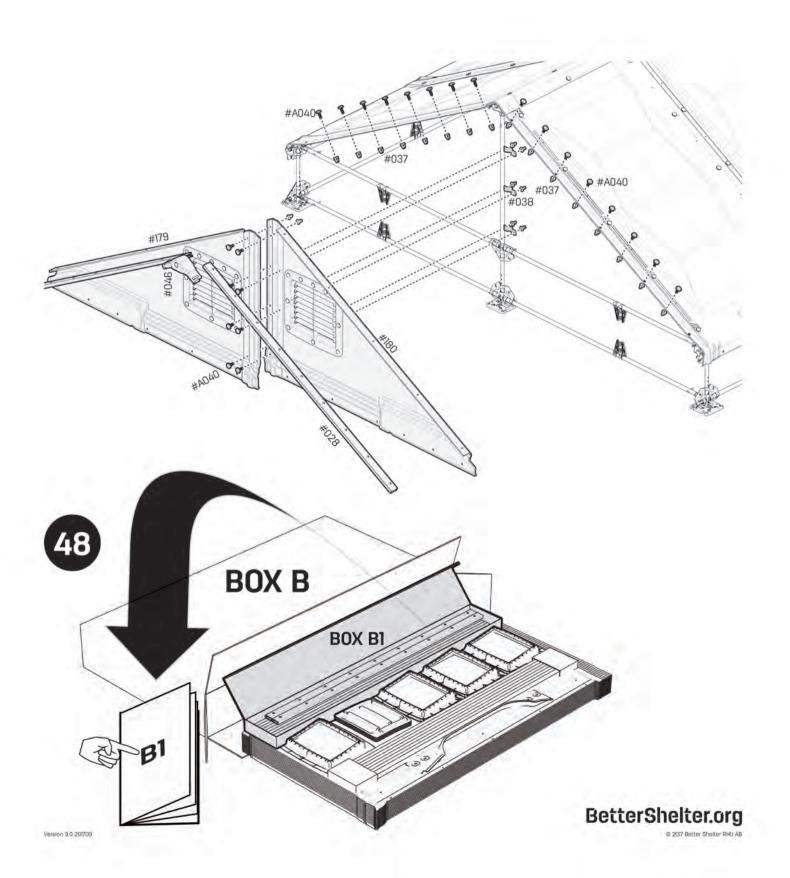








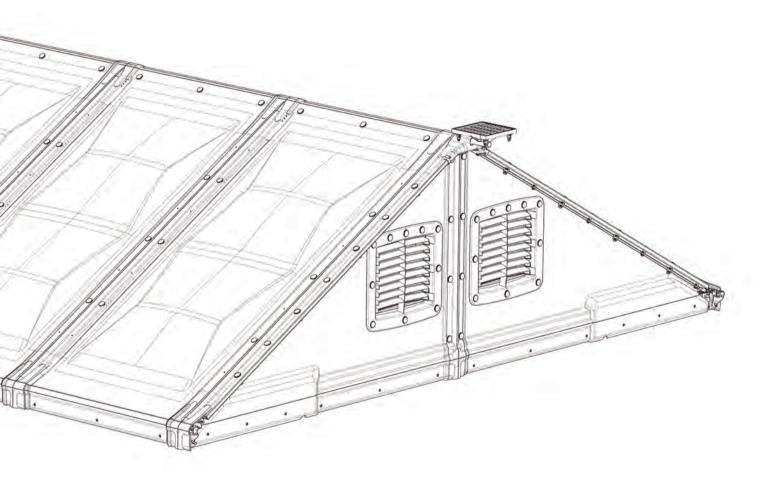




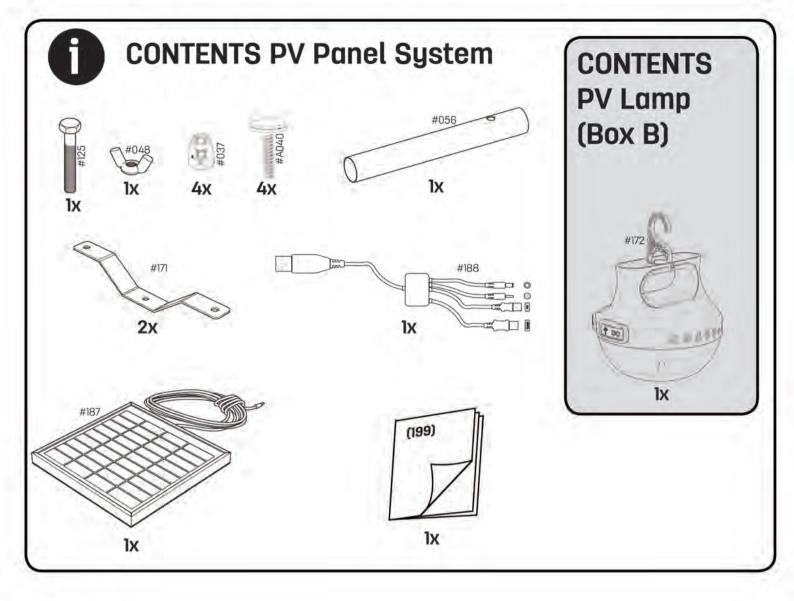
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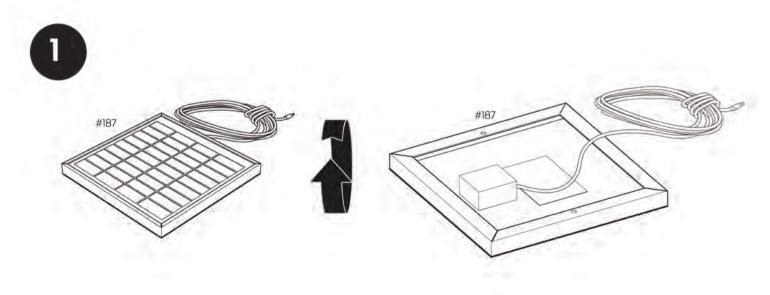
PV System Assembly Manual

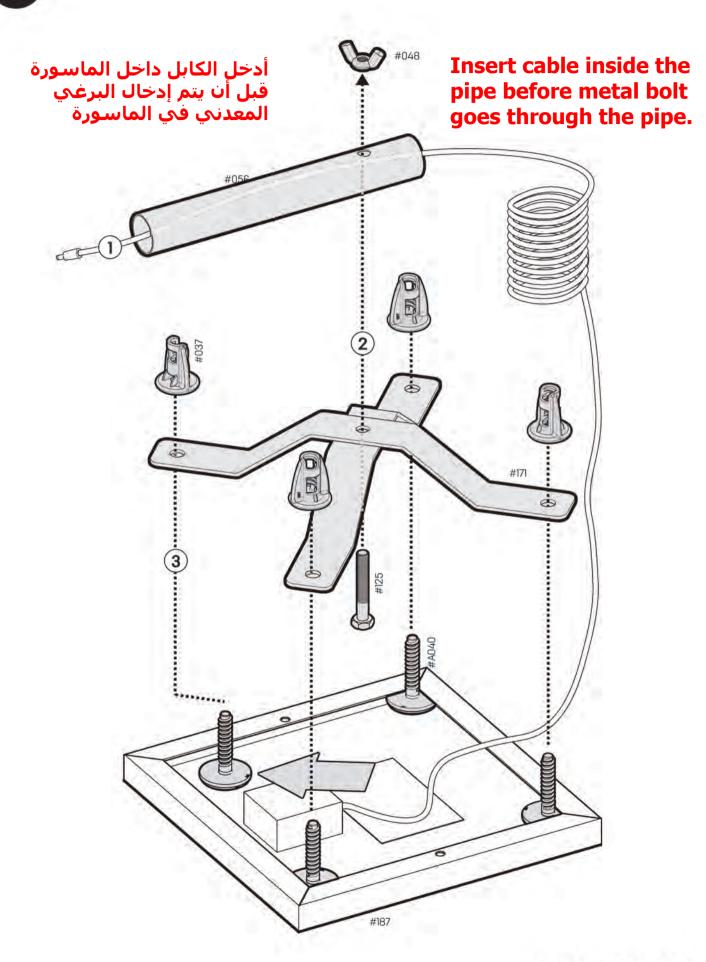
Manual de Montaje Manuel de Montage Montageanleitung Manuale di Montaggio



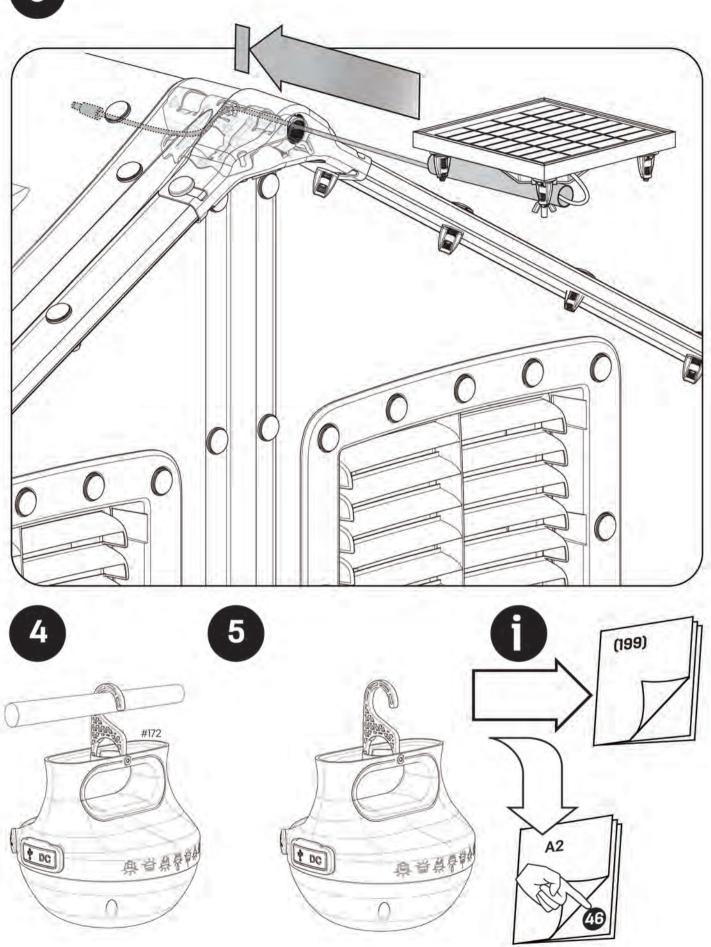
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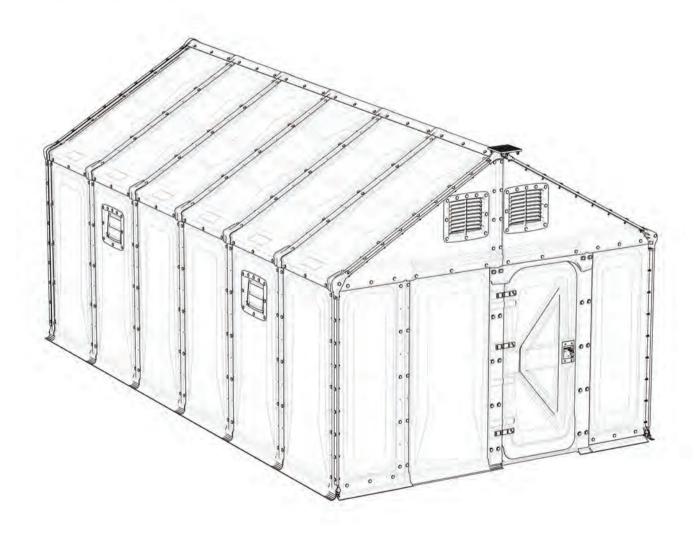


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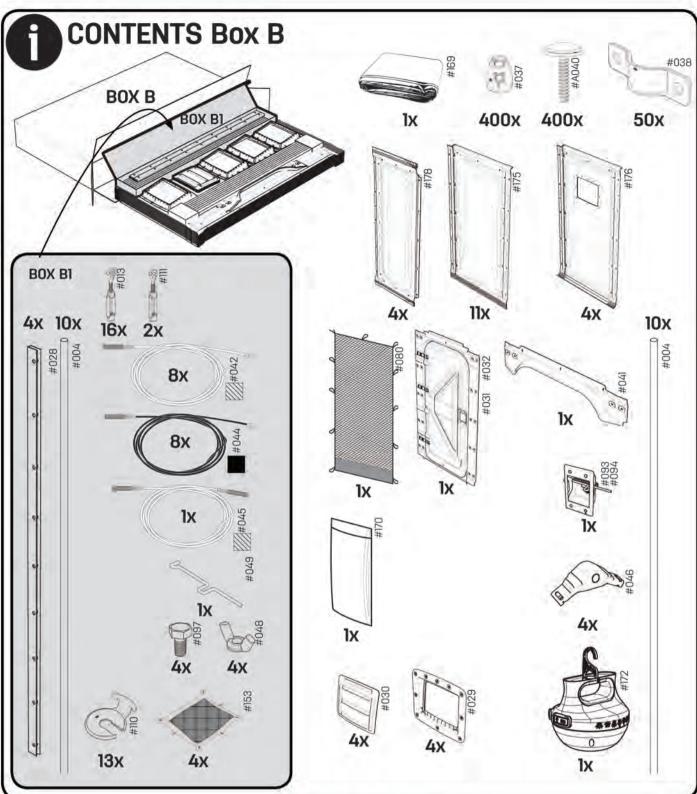
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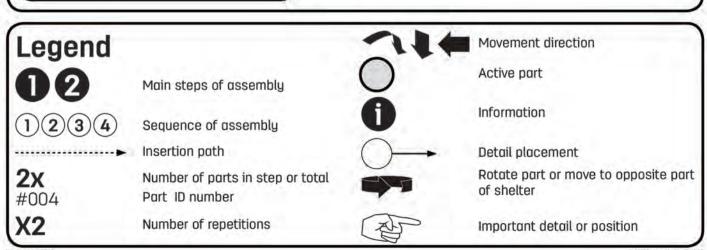
B_Walls Assembly Manual

Manual de Montaje Manuel de Montage Montageanleitung Manuale di Montaggio

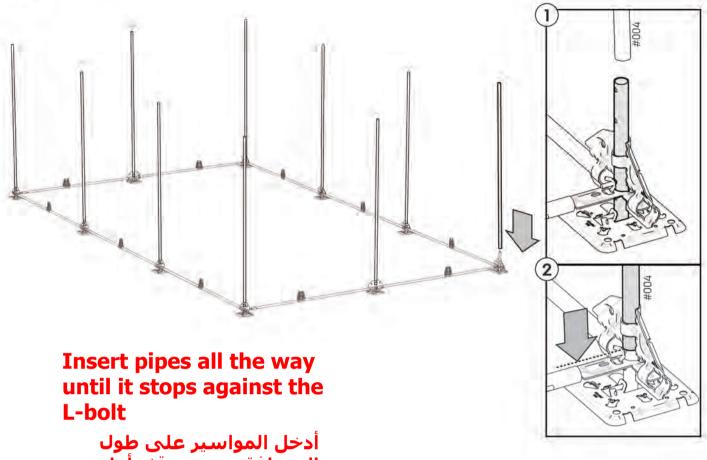


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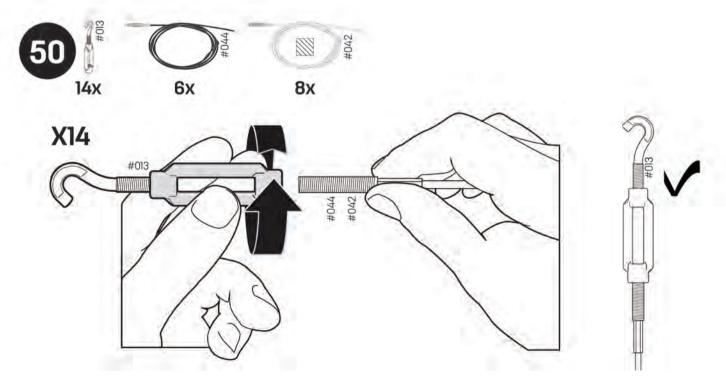


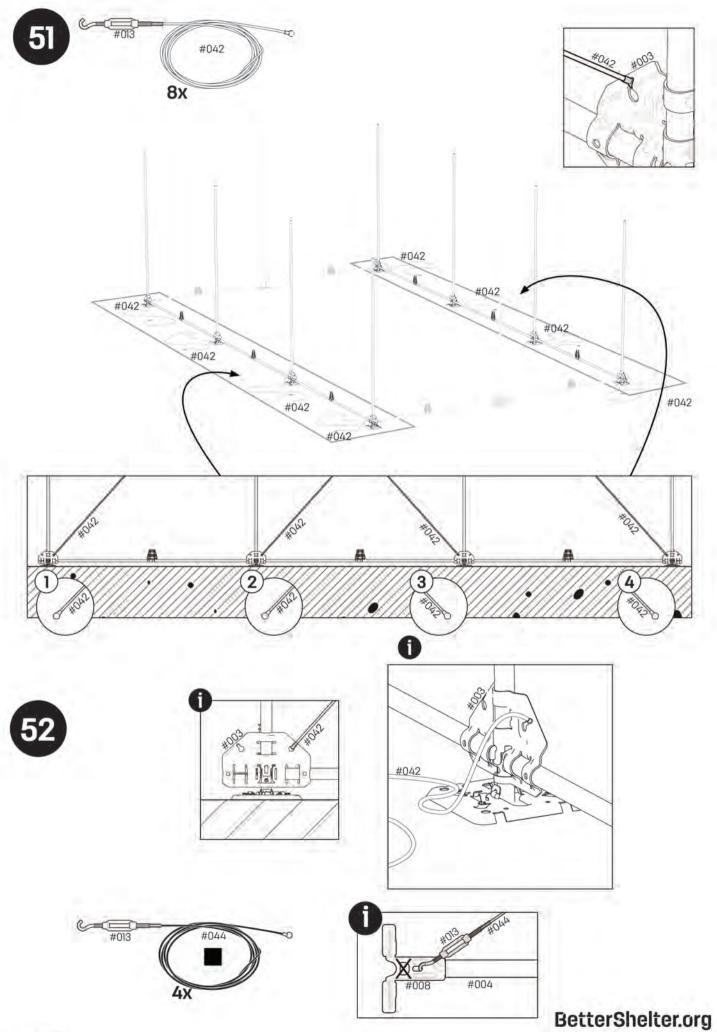


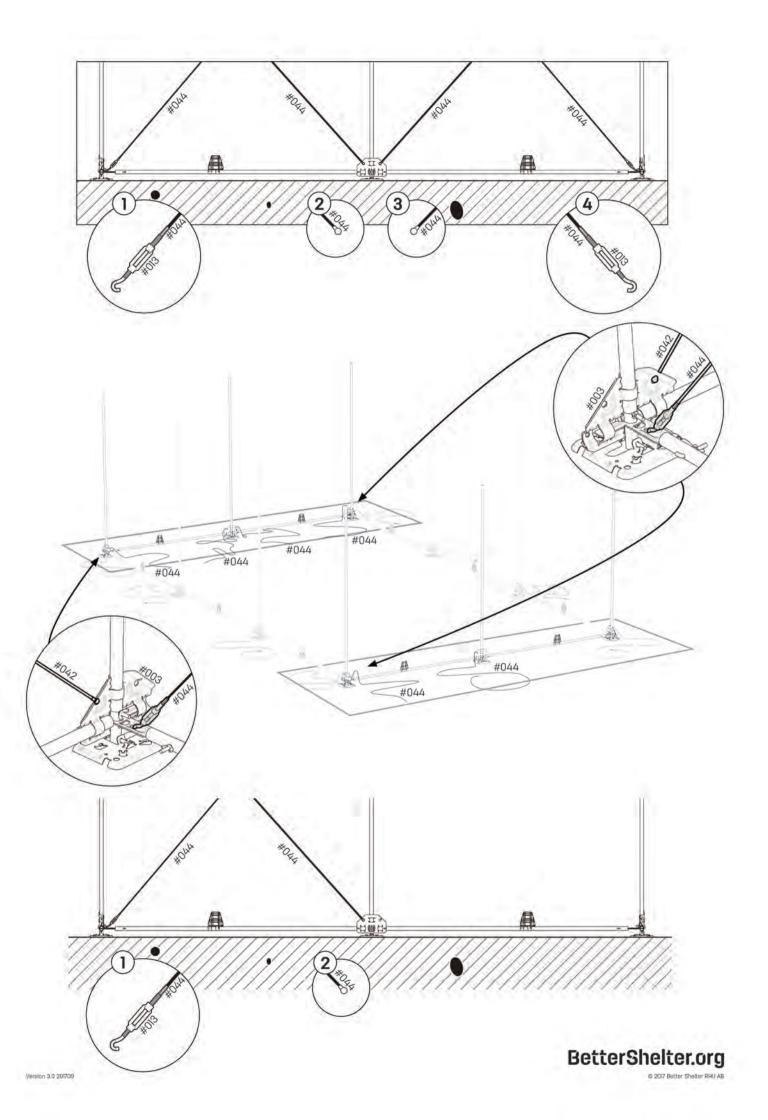


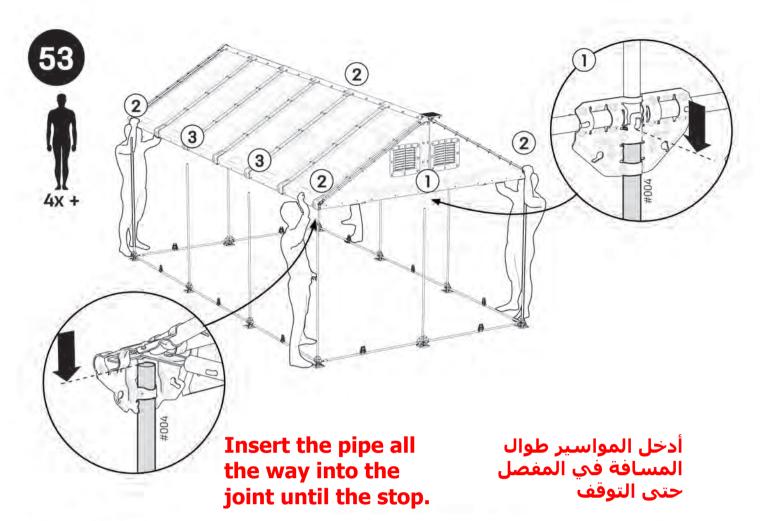


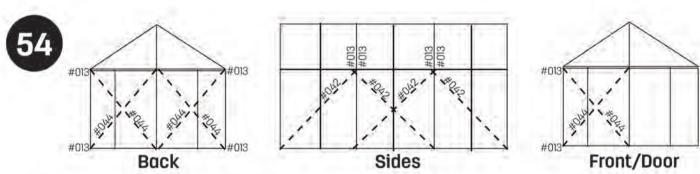
أدخل المواسير على طول المسافة حتى تتوقف أمام البرغي

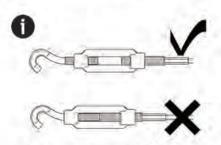




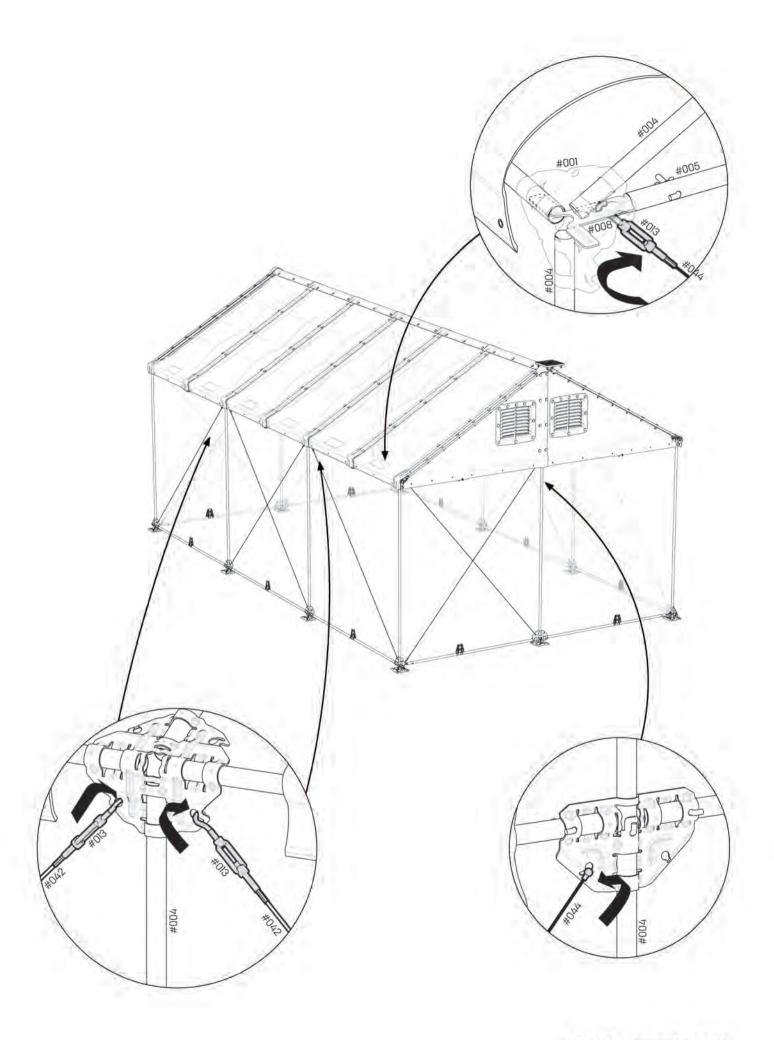


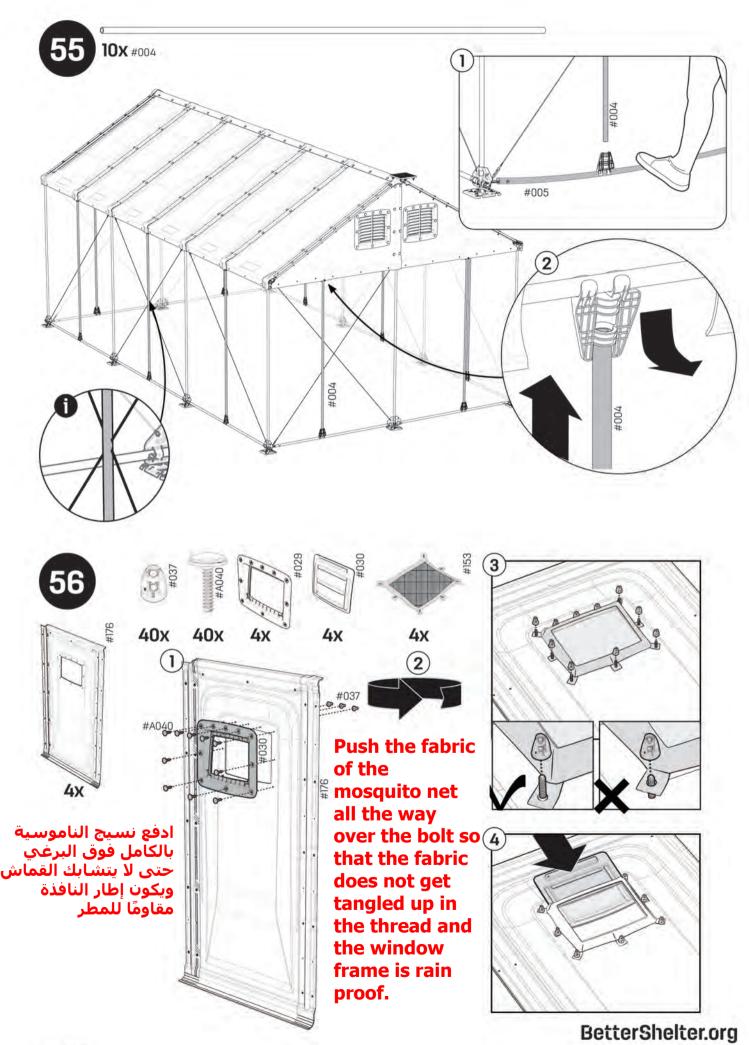


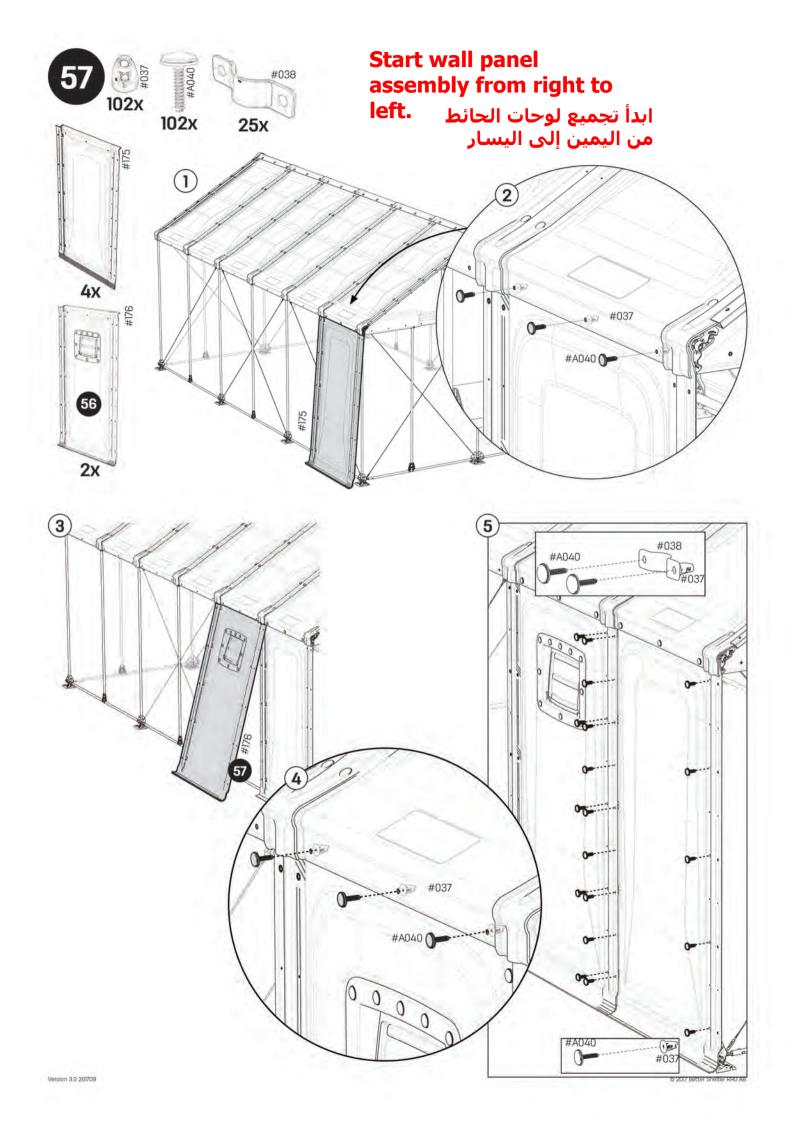


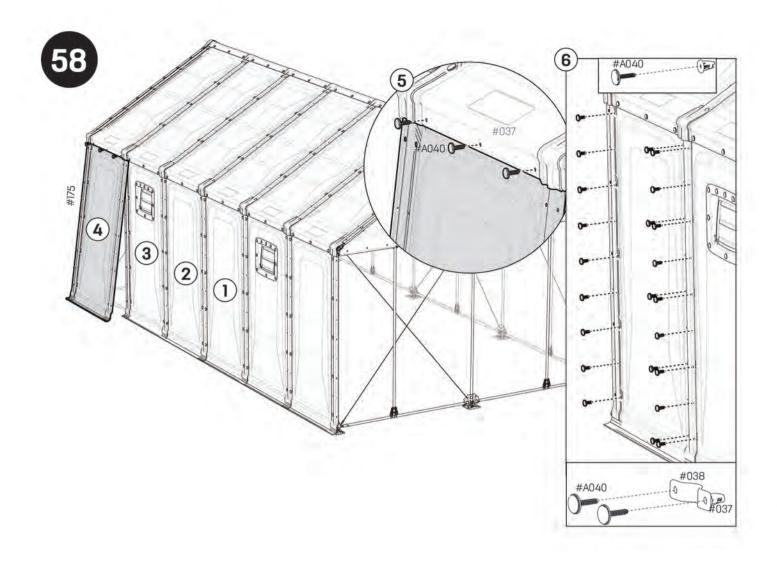


Do not tension fully, just reduce slack evenly across structure.

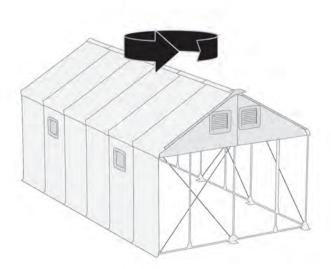


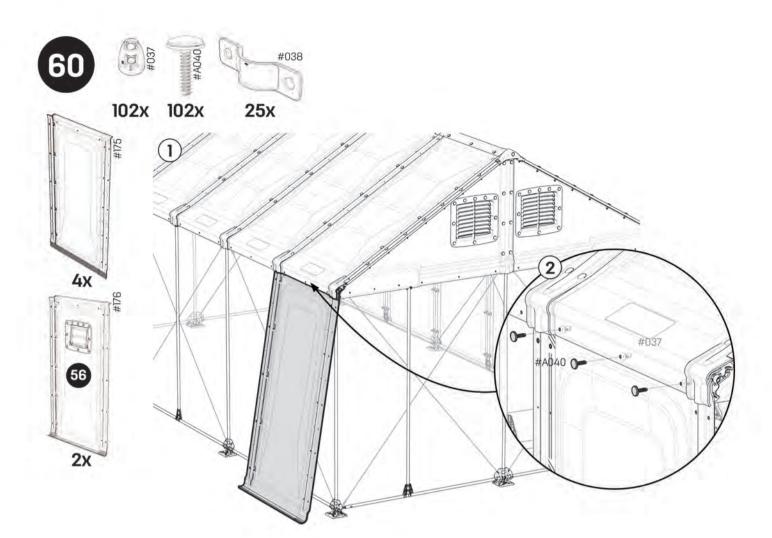


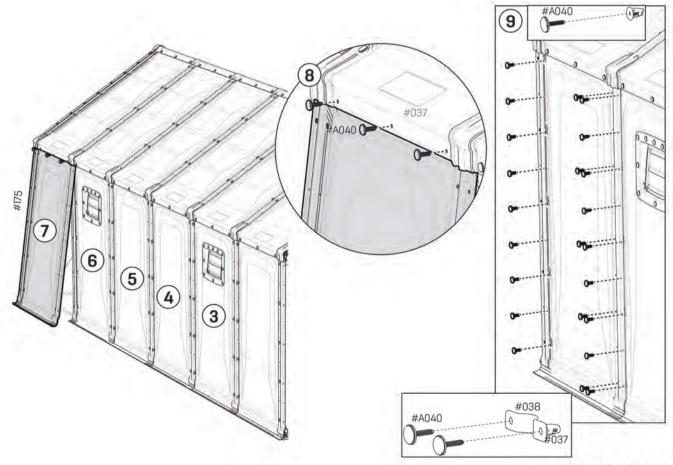


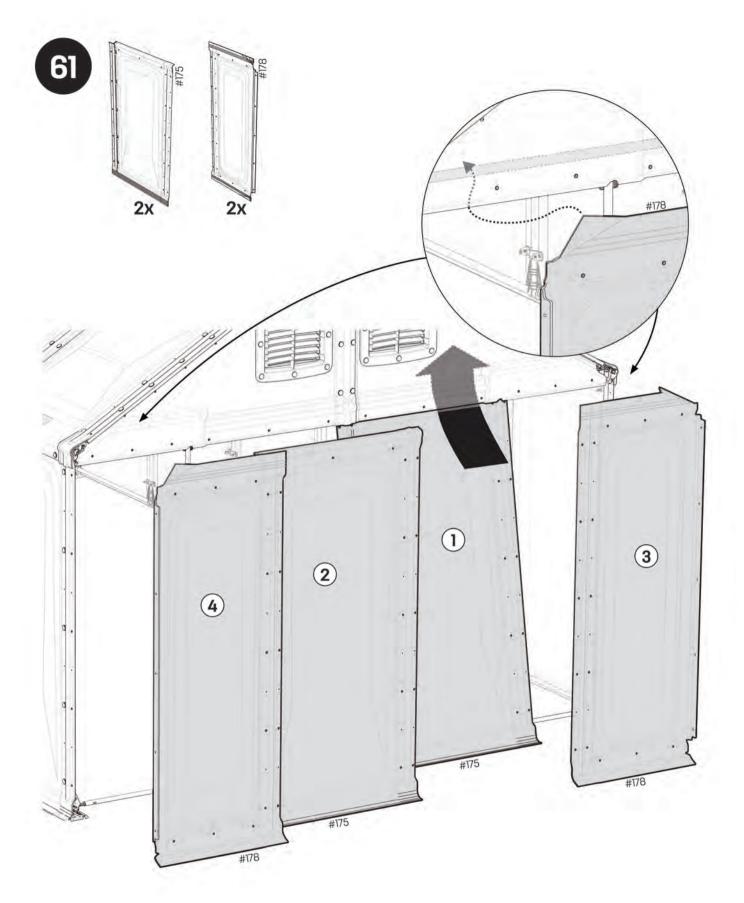




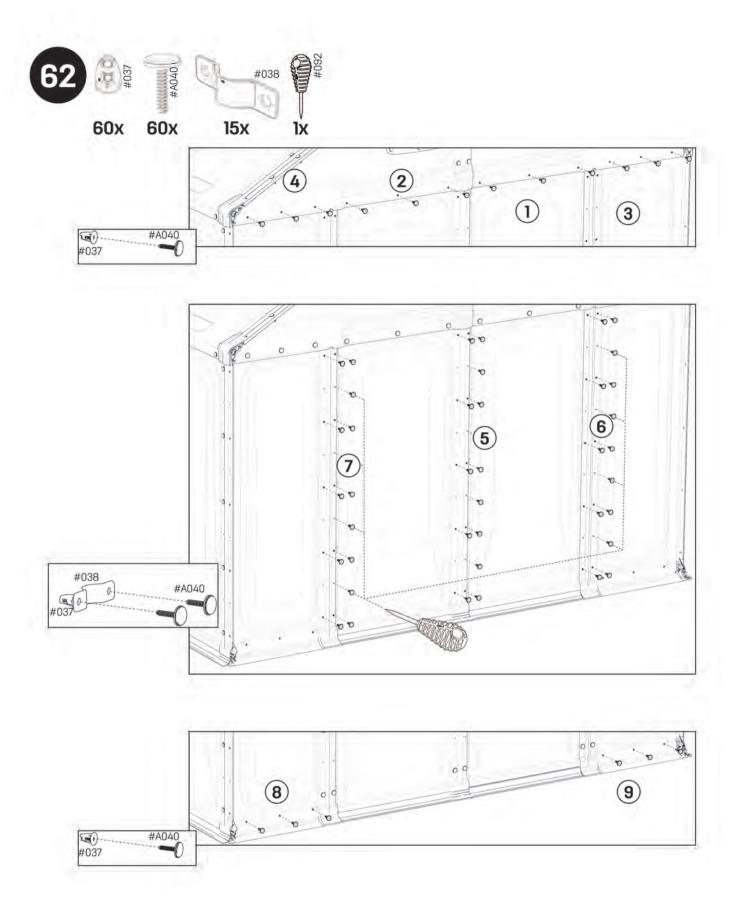


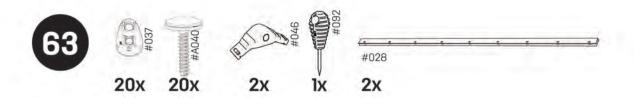






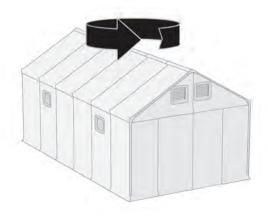
Check assembly order of panels تحقق من تجميع الألواح بالترتيب الصحيح

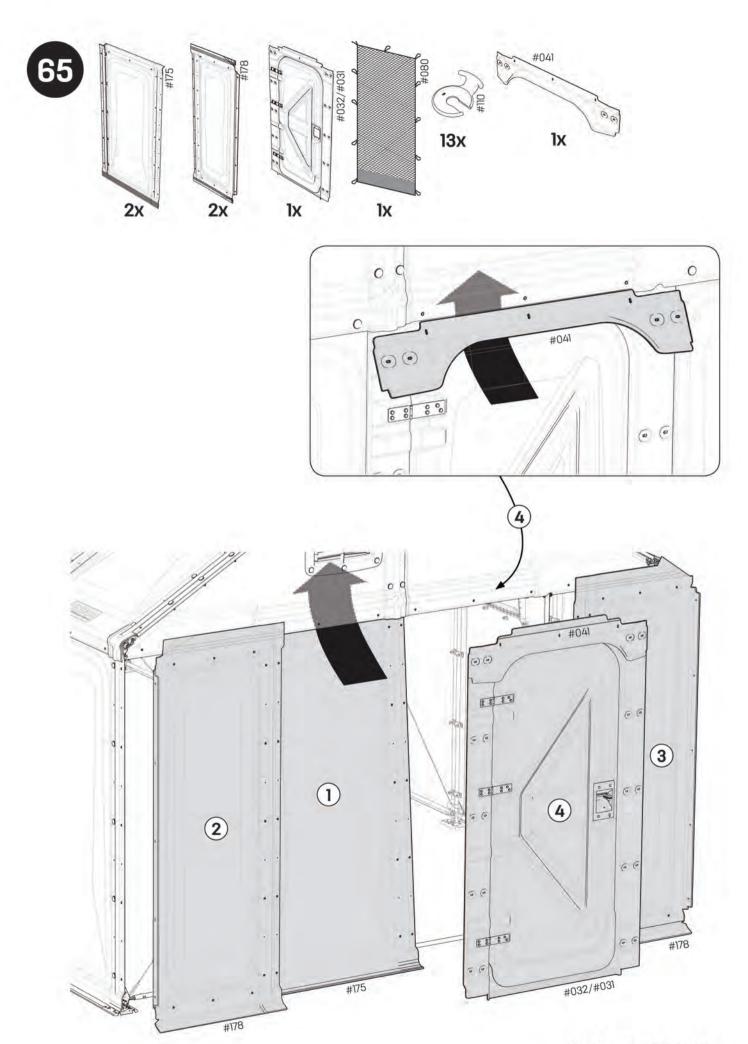


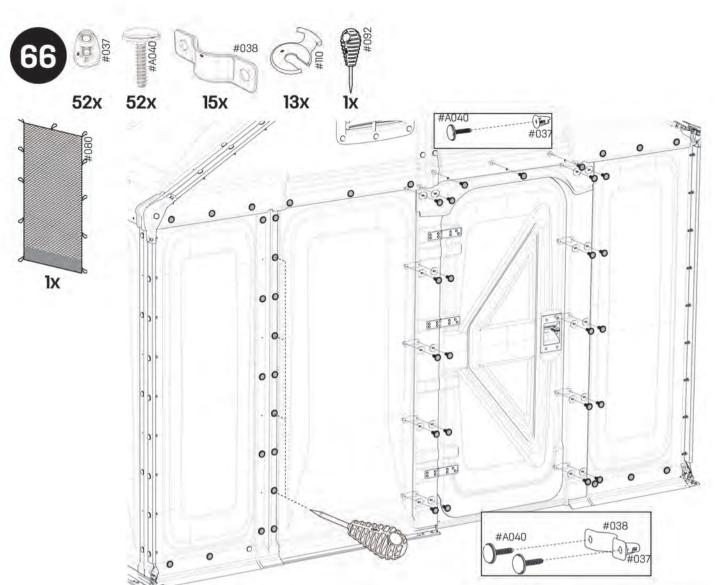




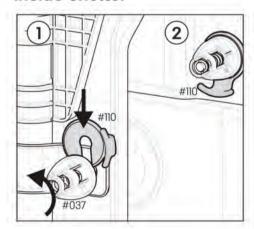


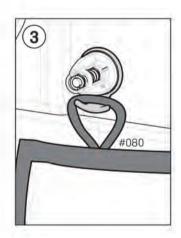






Inside shelter

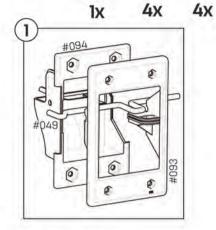


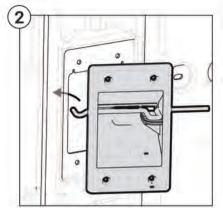




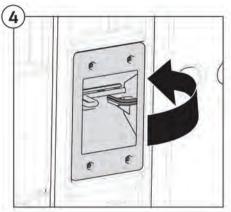
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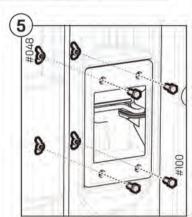




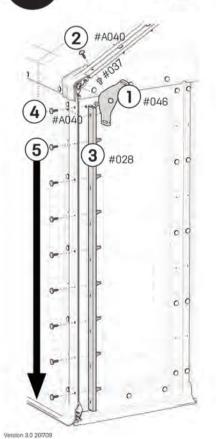


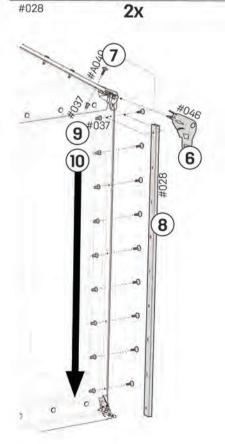




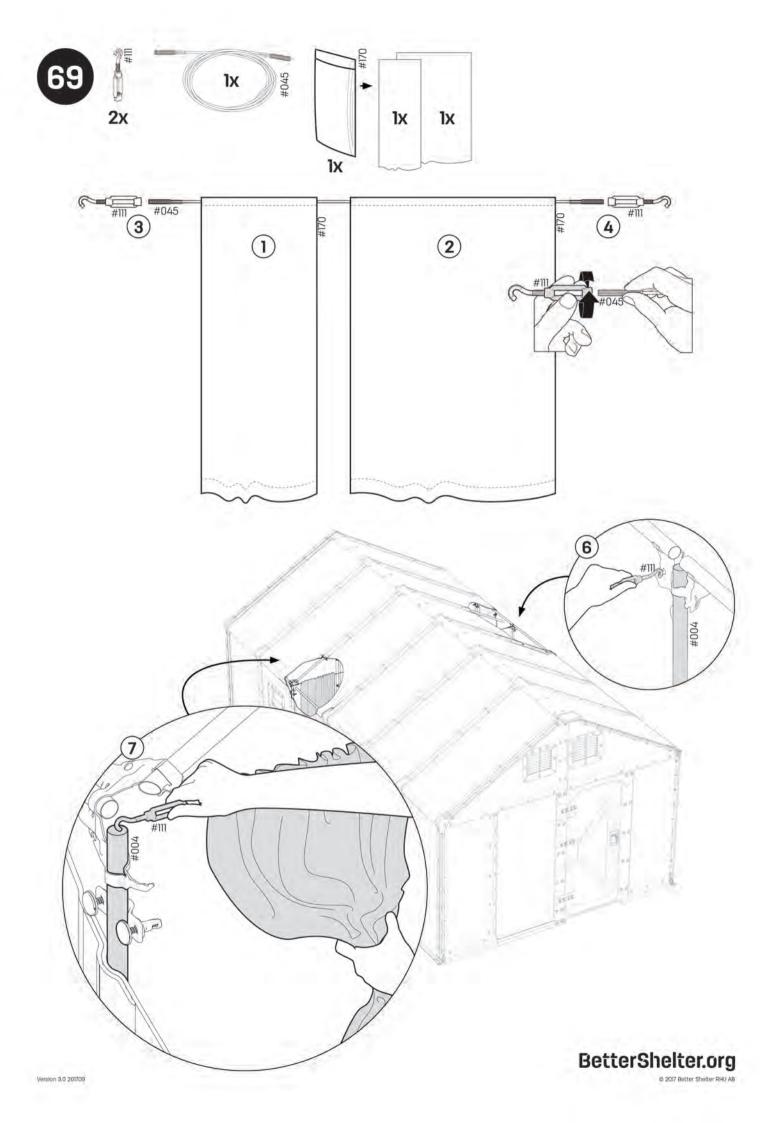




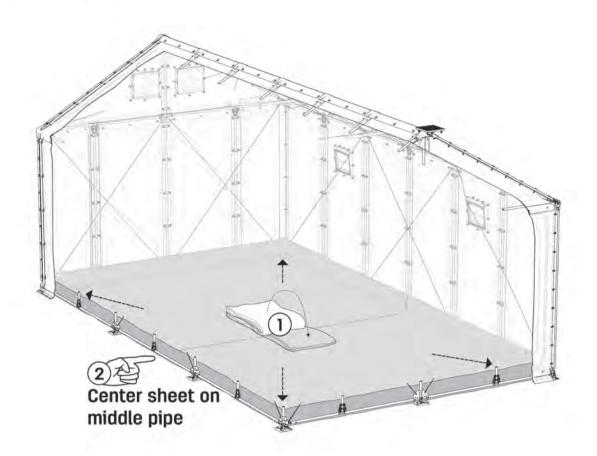




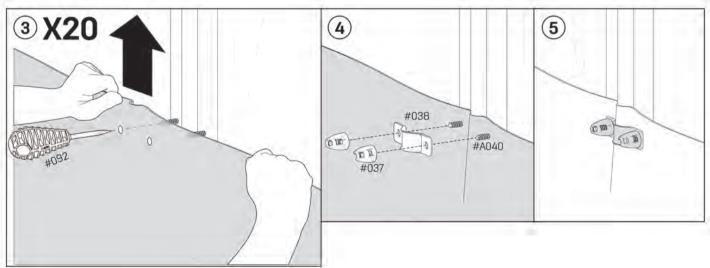


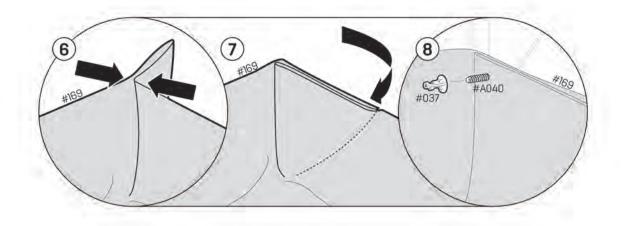


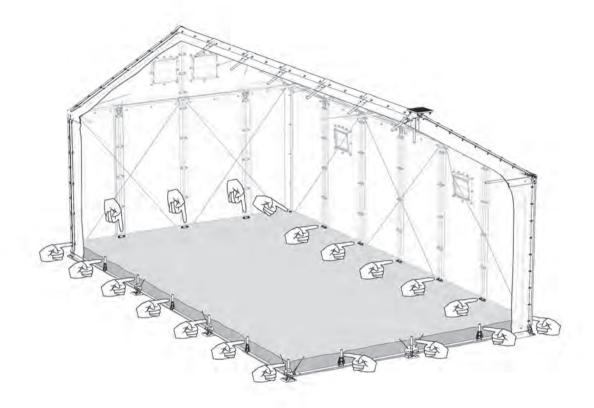


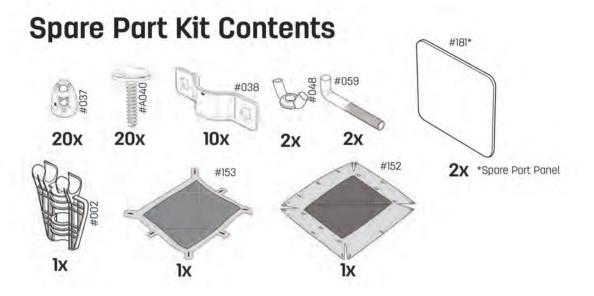






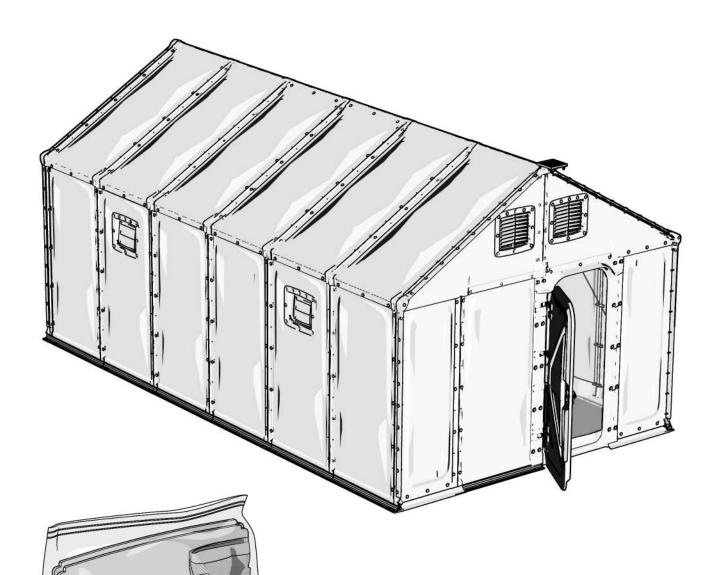






Better Shelter Maintenance Manual

Manual de Mantenimiento Manuel de Maintenance Wartungshandbuch



Better Shelter .org

SPARE PARTS

Frequency of use

Frequency of using the document - Monthly

Disposition

This document starts with displaying the spare parts kit content and identification of parts. If any part is broken or missing, please replace by original parts. If part are no longer present, contact the shelter provider.

Disclaimer

This document does not consider faulty setups, nor does it solve issues that occur to the shelter due to weather influences (wind, heavy rains, land slides, unstable soil), animals or improper use.

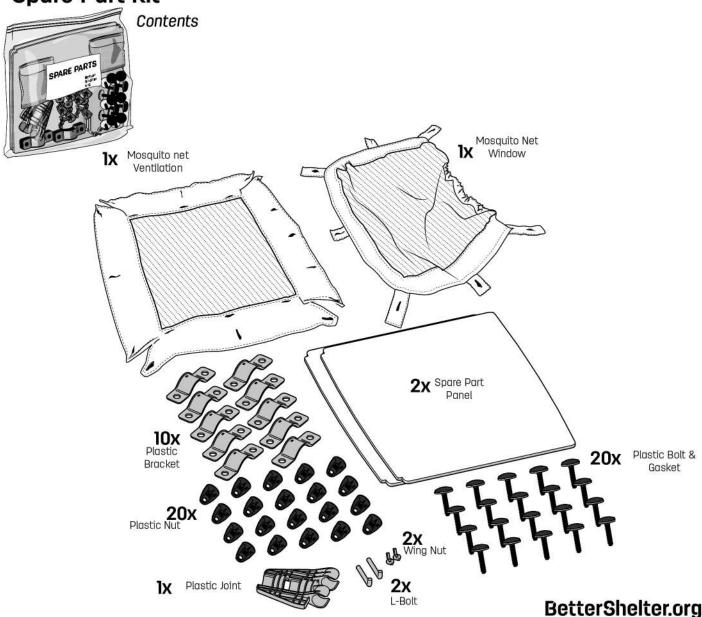
This document is aimed to be used by the user/inhabitant of the shelter.

Legend

Version A.4 20182

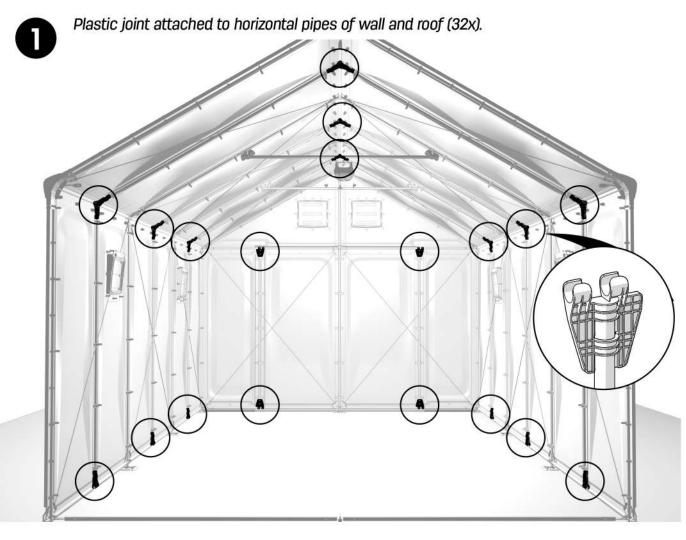


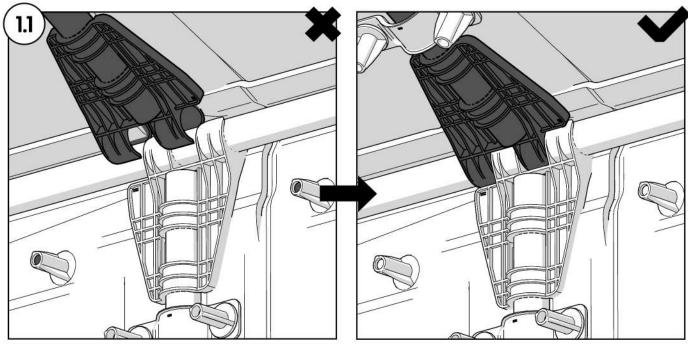
Spare Part Kit

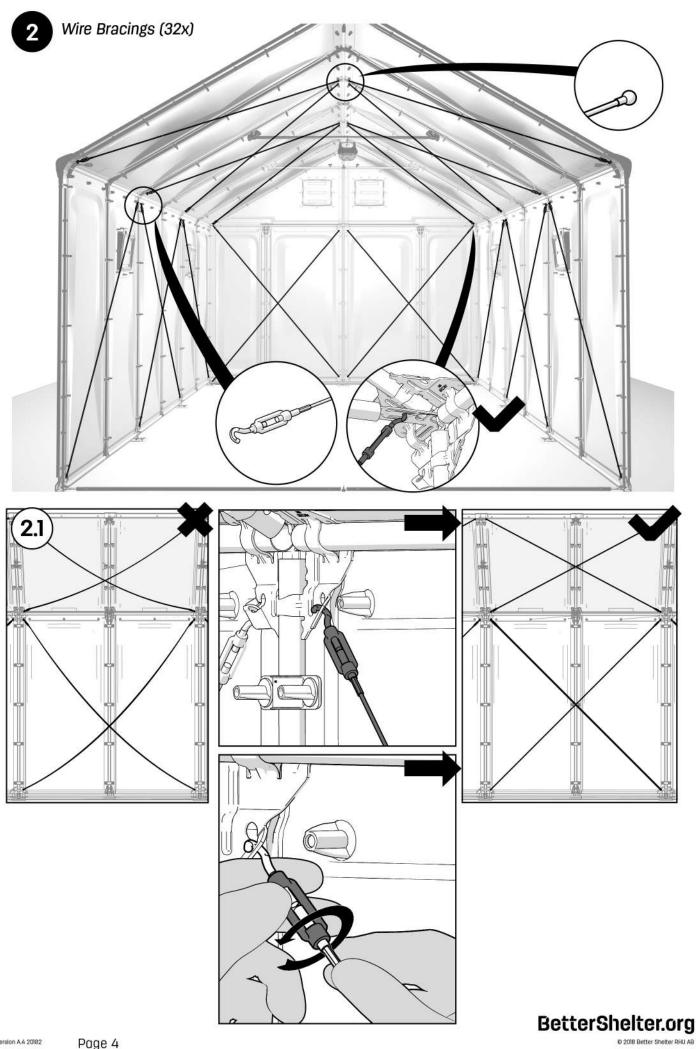


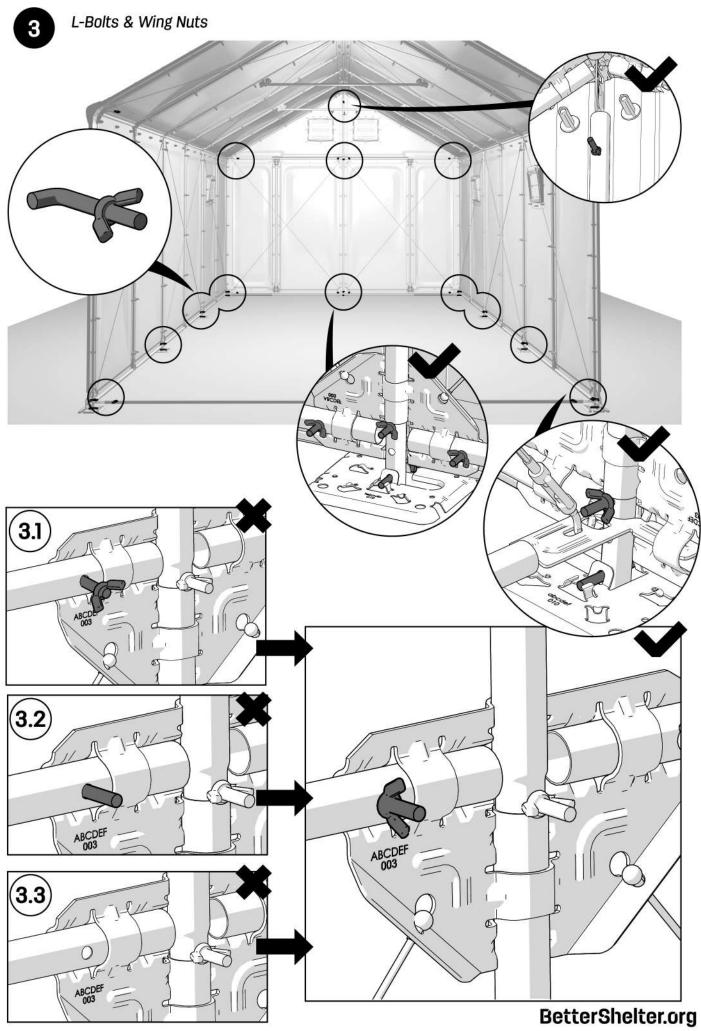
Page 2

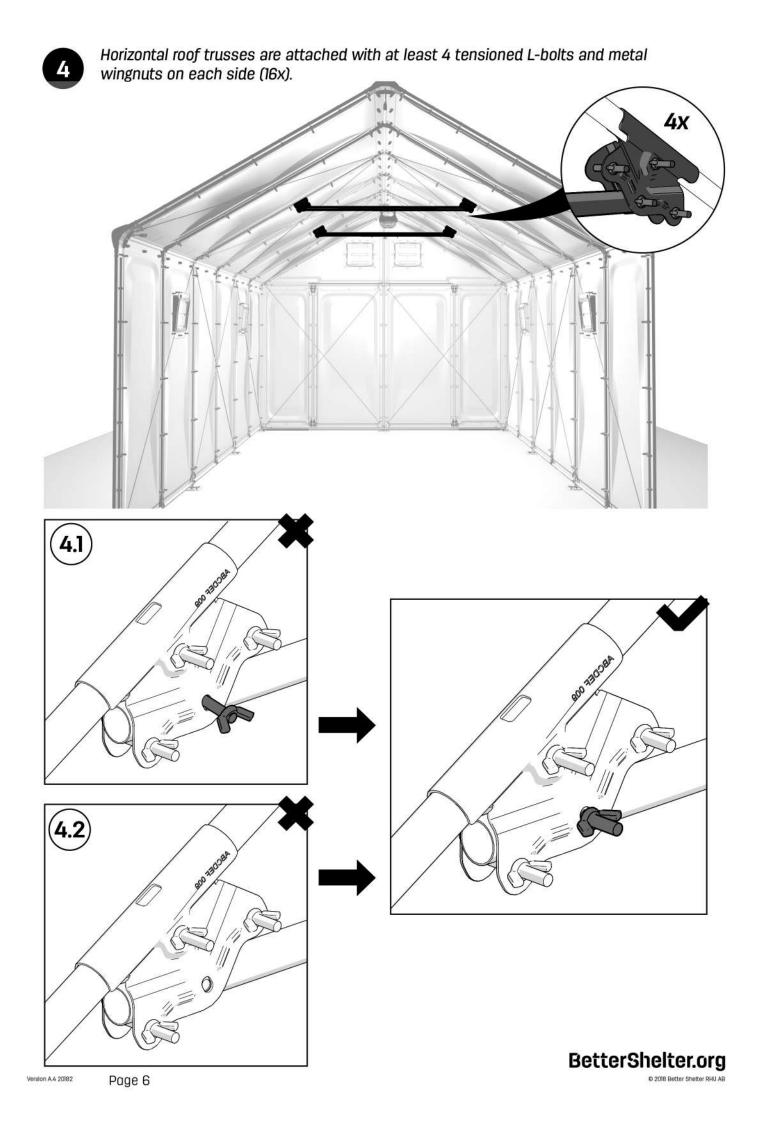
Maintenance Routine



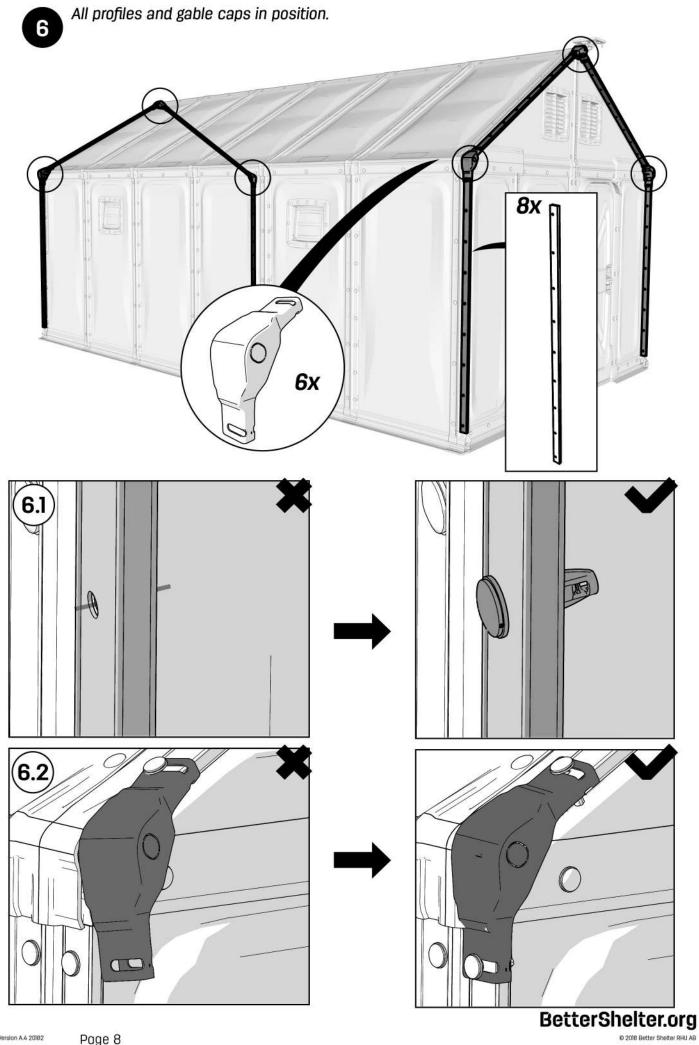


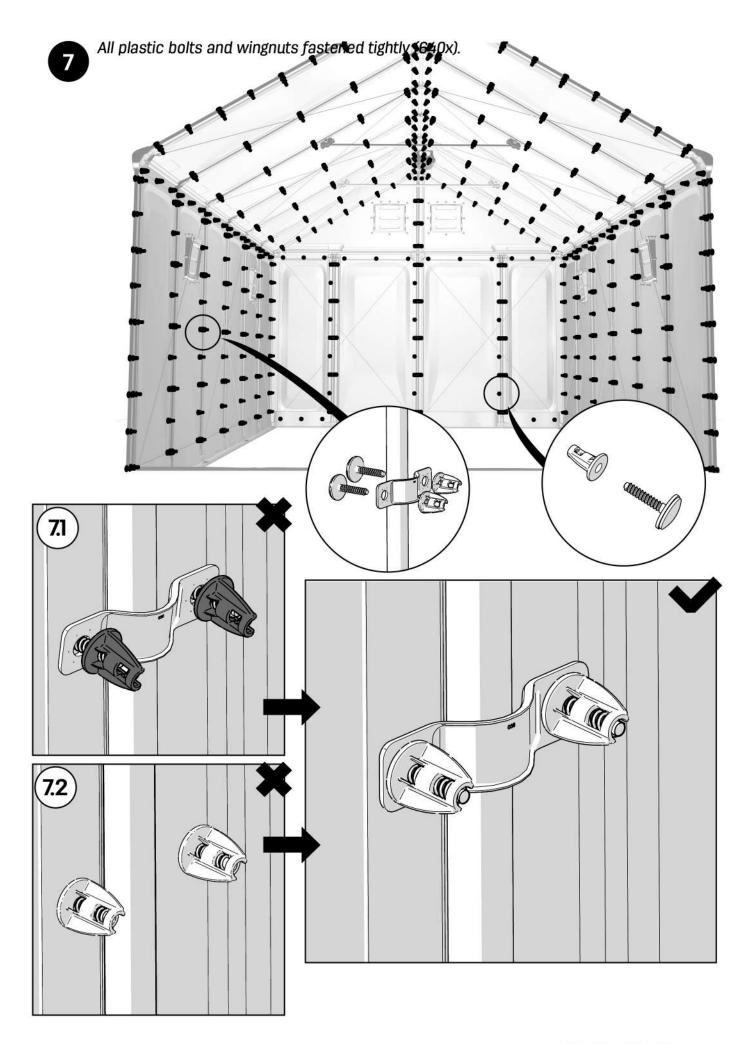


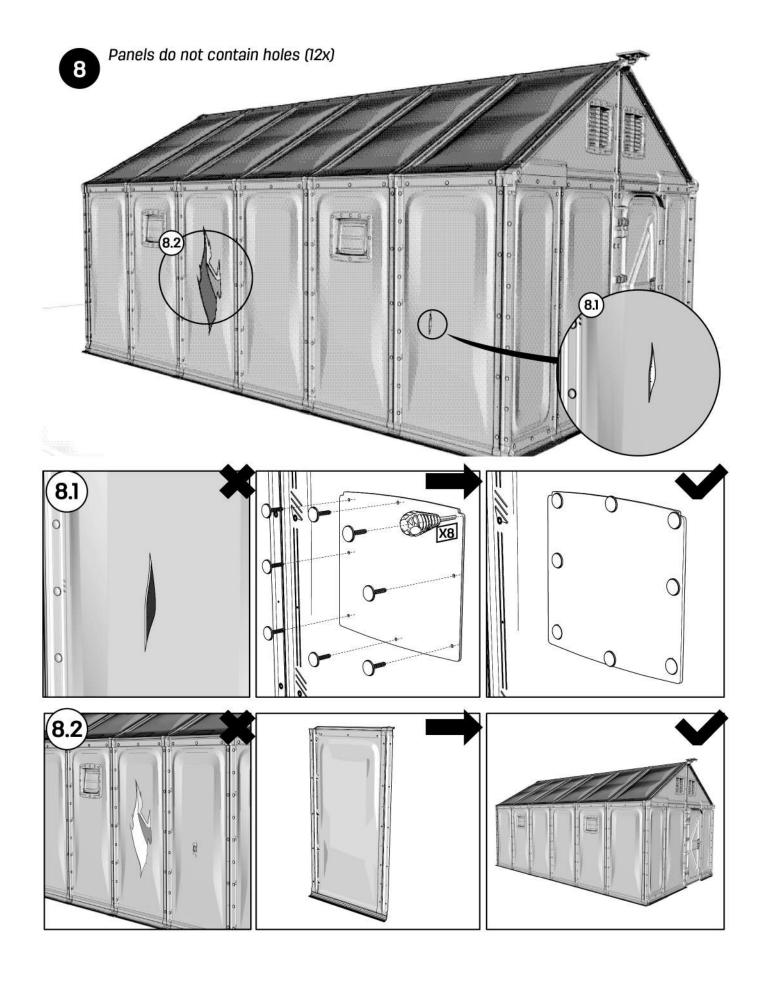


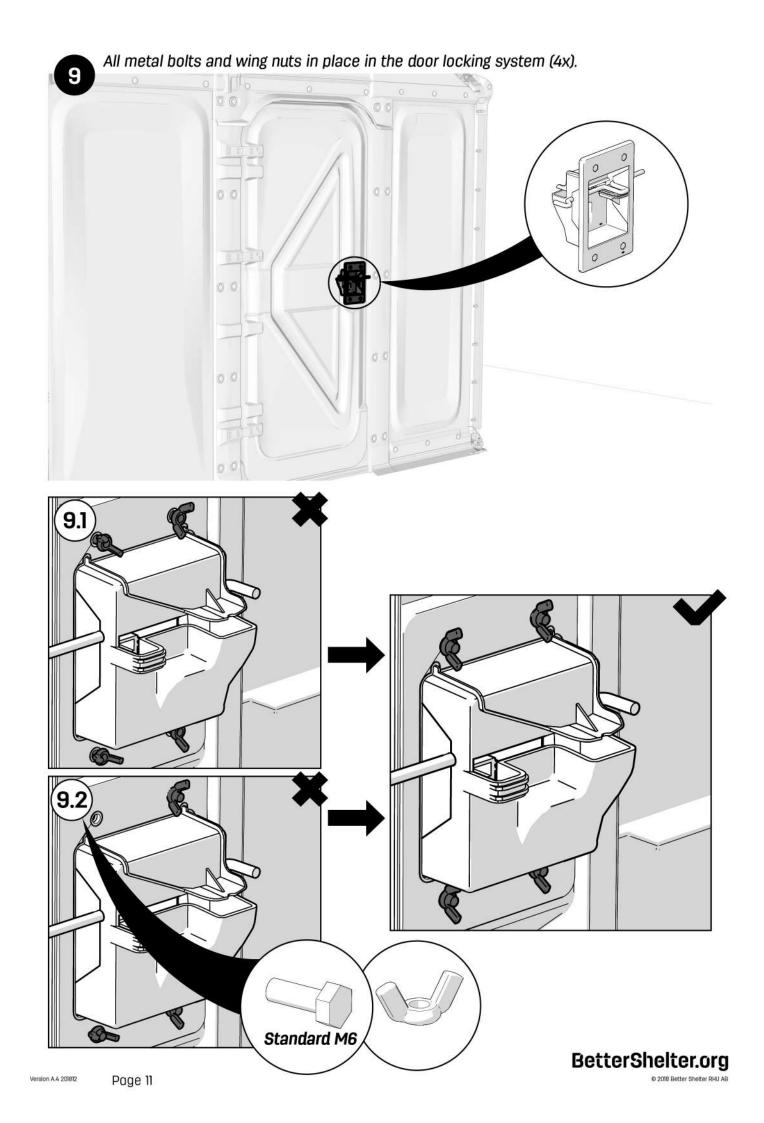


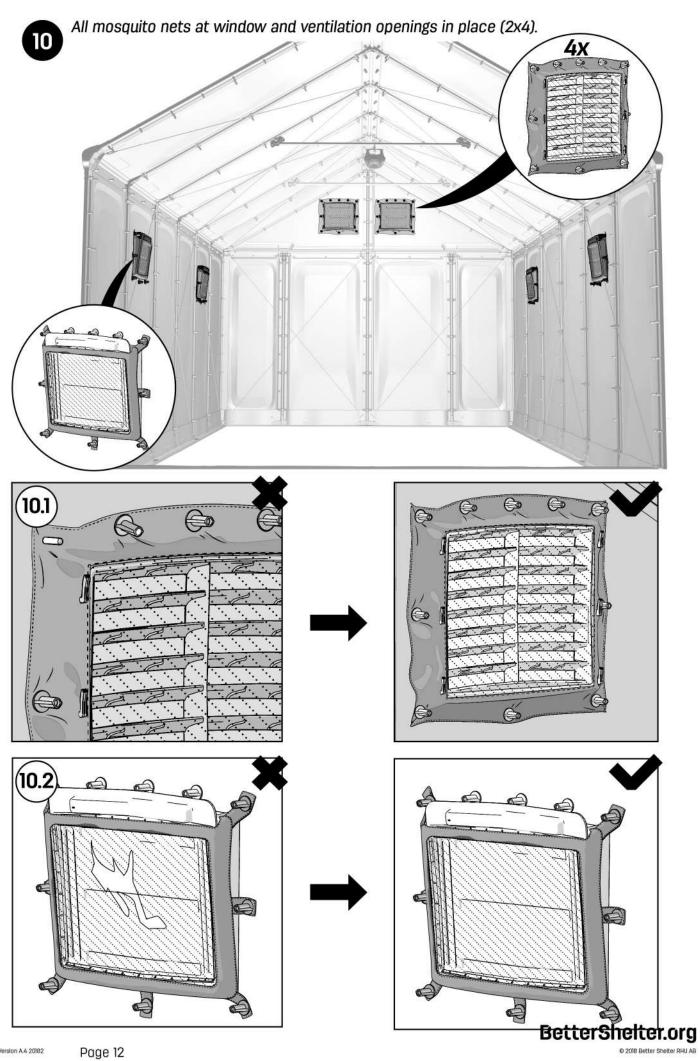
Wall panel mud flaps covered by soil, concrete or stones.

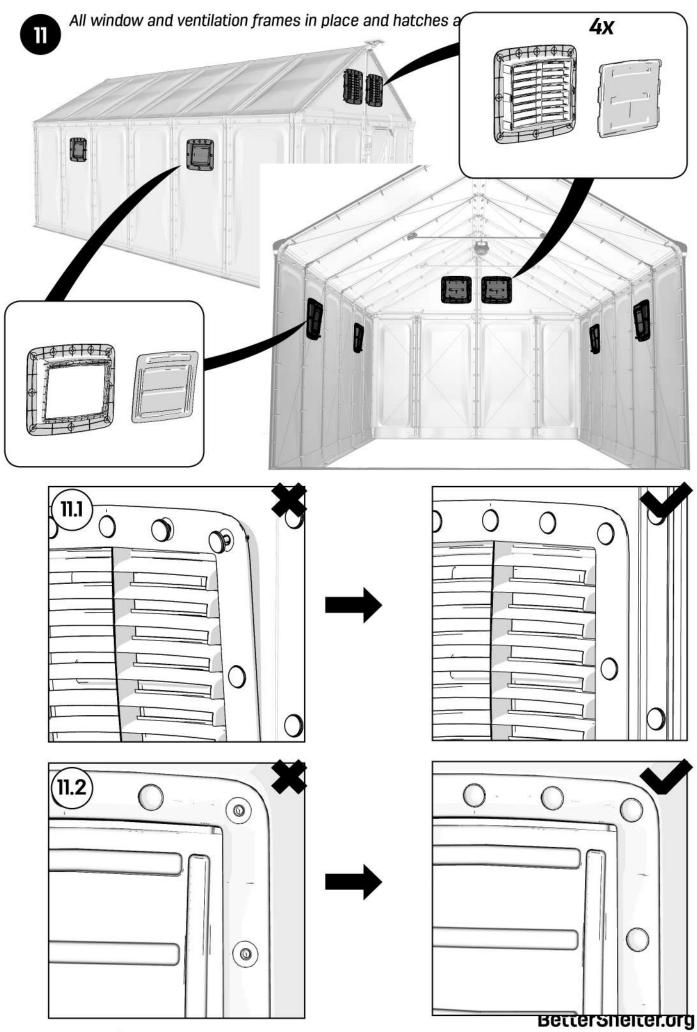




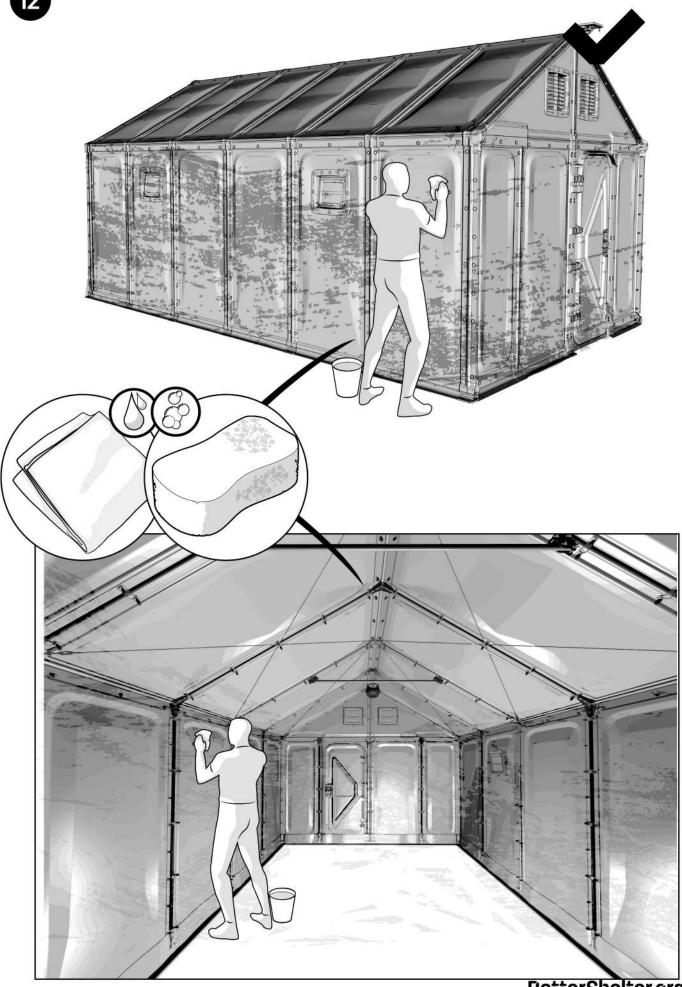














Hope starts with a home

Common mistakes guide



Correct approach



Forgetting to insert the L-bolts in the ground plates.

Ensure that the L-bolts are inserted to connect the ground plates with the ground pipes.



Will lead to the risk in the shelter not properly being anchored to the ground, and compromising stability when facing strong winds, rain and torrents.



Correct approach



Not hammering the anchor to the correct depth into the ground.

To hammer the anchor to the correct depth.



If the anchor is not hammered deep enough, it will not take sufficient load which could cause the shelter to blow away. If the anchor is hammered too deep, there will not be enough cable left to attach to the ground plate.



Correct approach



Hammering the ground anchor too far from the ground plate.

To hammer the ground anchor close to the ground plate.



The anchor will not be deep enough into the soil to take loads and there is a risk of the shelter blowing away.



Correct approach



Placing the pipes with holes facing the wrong direction.

To place the pipes with holes facing the correct direction.



If the holes are placed in the wrong direction, it will not be possible to insert the L-bolts to attach the ground pipe, joint and wall column. This might result in the shelter blowing away in the event of strong winds.



Correct approach

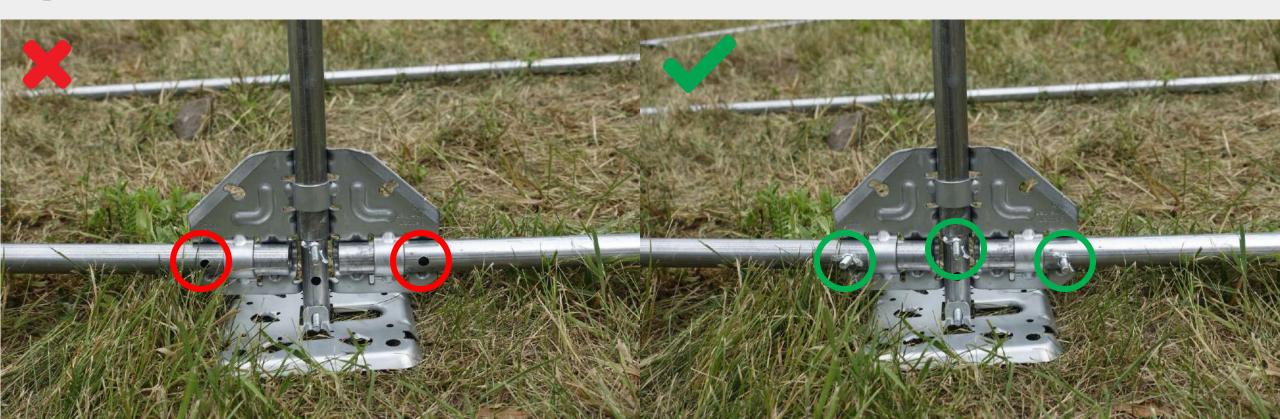


Forgetting to insert the L-bolts in the joints that connect to the ground pipe.

Ensure that the L-bolts are inserted to connect the joints to the ground pipes.



May lead to the risk of the pipes slipping out of place in the event of exposure to strong winds or torrents.



Correct approach



Not inserting the wall pipes all the way down so that they are resting on the L-bolts underneath.

To ensure to insert the wall pipes all the way down so that they are resting on the L-bolts underneath.



Will pose a risk of compromising stability. The roof will not be able to take wind forces if the pipes are not resting on the L-bolts.



Correct approach



Not attaching all four L-bolts to the roof truss.

To ensure that all the four L-bolts are attached to roof truss.



The L-bolts will support the roof truss and stabilise it when facing strong winds.



Correct approach

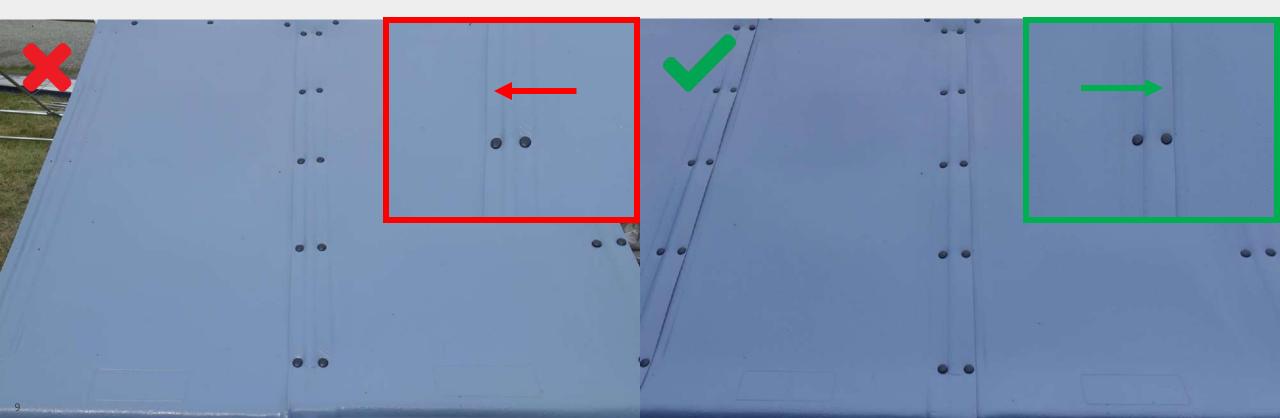


Overlapping the roof panels in the wrong direction, from left-to-right.

To ensure the roof panels are overlapping in the correct direction, from right-to-left.



Will pose a risk of water leakage.



Correct approach



Placing the roof panels on an uneven plane, so that a depression forms a gutter at the eave/edge of the roof.

To ensure that the wall and roof panels are correctly placed on a straight, even plane to avoid forming a gutter.



Will pose a risk of water collecting on the roof and not being drained.



Overlapping the wall panels in the wrong direction, from left-to-right.

Correct approach



To ensure that the wall panels are overlapping in the correct direction, from right-to-left.



Will pose a risk of water leakage.



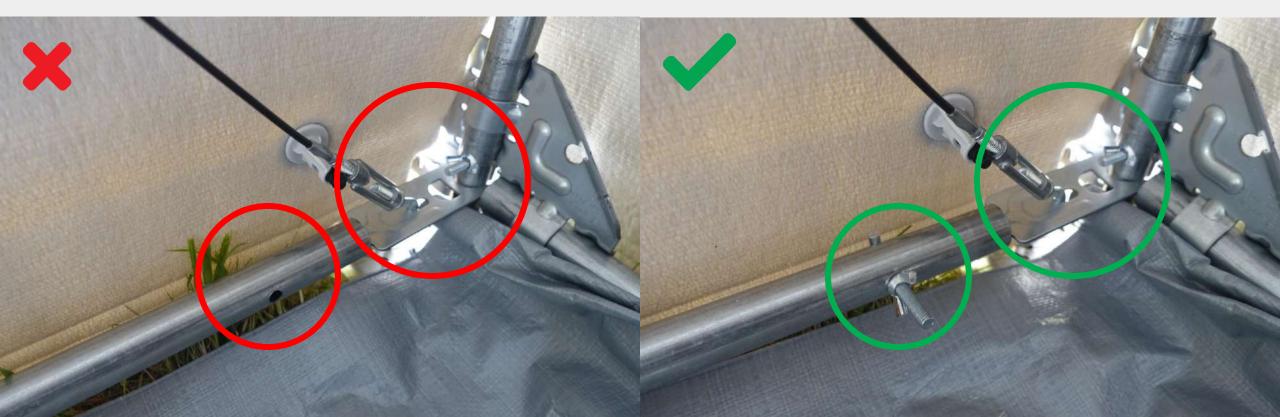
Correct approach



Not attaching the T-connectors to the L-bolts.

To ensure to attach the T-connectors to the L-bolts.





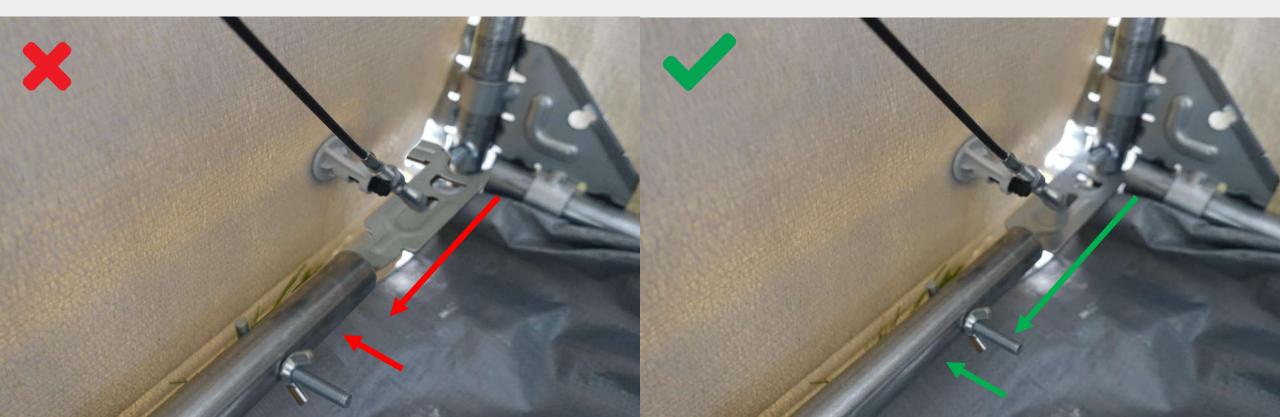
Correct approach



Not attaching the T-connectors all the way into the pipe.

To ensure to attach the T-connectors all the way until the stop into the pipe.





Correct approach



Not connecting the wire bracing on the short side to the correct hole.

To ensure the wire bracing on the short side is connected to the correct hole.





Correct approach



Not tightening the wire bracings enough when the build is done.

To ensure that the wire bracings are tightened to a sufficient tension when the build is done.





Correct approach

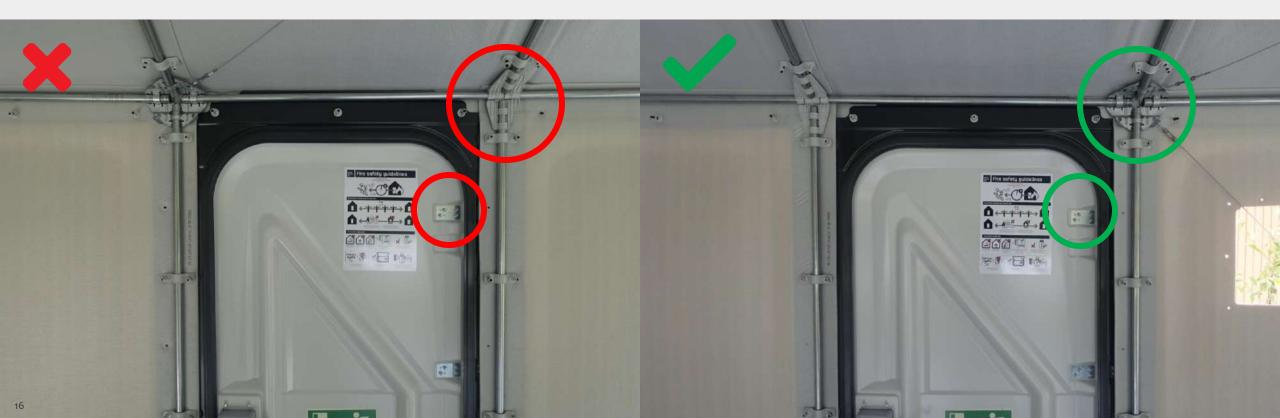


Mounting the door with the hinges facing a non-load-bearing pipe.

To ensure the door is mounted with the hinges facing a load-bearing pipe.



Will pose a risk that the door will fail over time.



Placing the door canopy overlapping the wall and roof panels.

Correct approach



To ensure that the door canopy is placed under the roof panel and above the wall panel.



Will pose a risk of water leakage.







Contact us

We encourage you to contact us to ensure a right implementation!

The purpose of this document is to show implementing partners the options for using structures or RHUs.

If you find any inconsistency in the content of this document or have any suggestions, we would love to hear from you.

We facilitate a phone number to make technical communication as quick and easy as possible.



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