



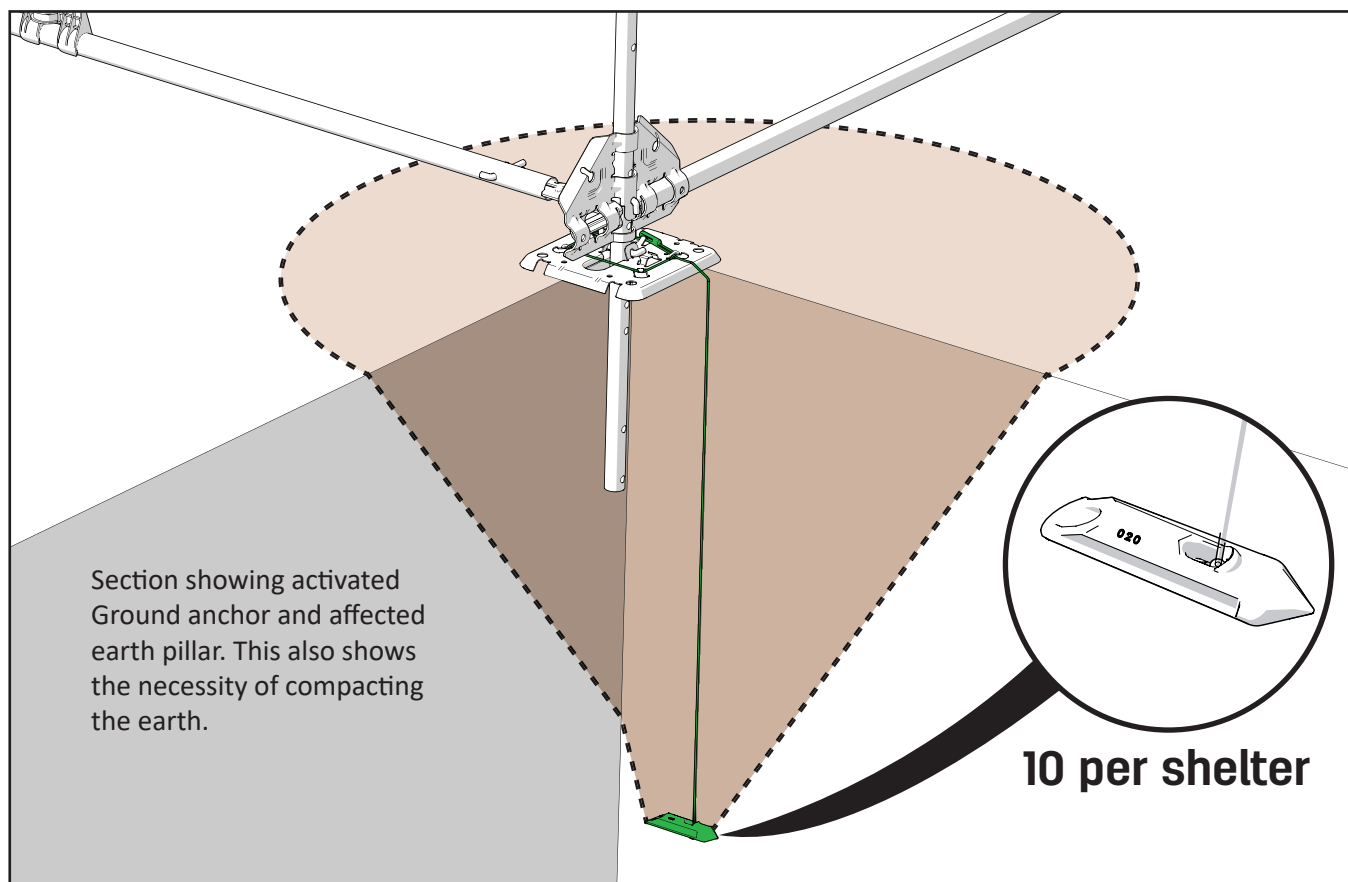
## Foundations

- Anchor system
- Soil foundation
- Concrete slab foundation
- Contact



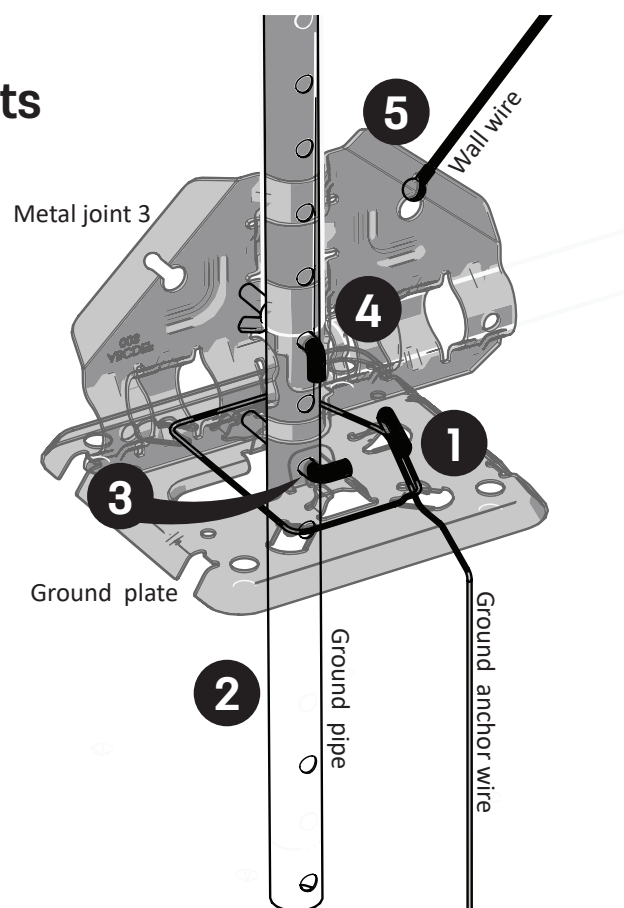
# Frame installation

## Ground anchoring



## Securing the frame – 5 lock points

- 1 Ground anchor wire secured to ground plate.
- 2 Ground pipe inserted into ground if possible.
- 3 L-bolt attached to ground plate and ground pipe.
- 4 L-bolt attached to metal joint 3 and ground pipe with a wing nut.
- 5 Wall wire attached to metal joint 3.

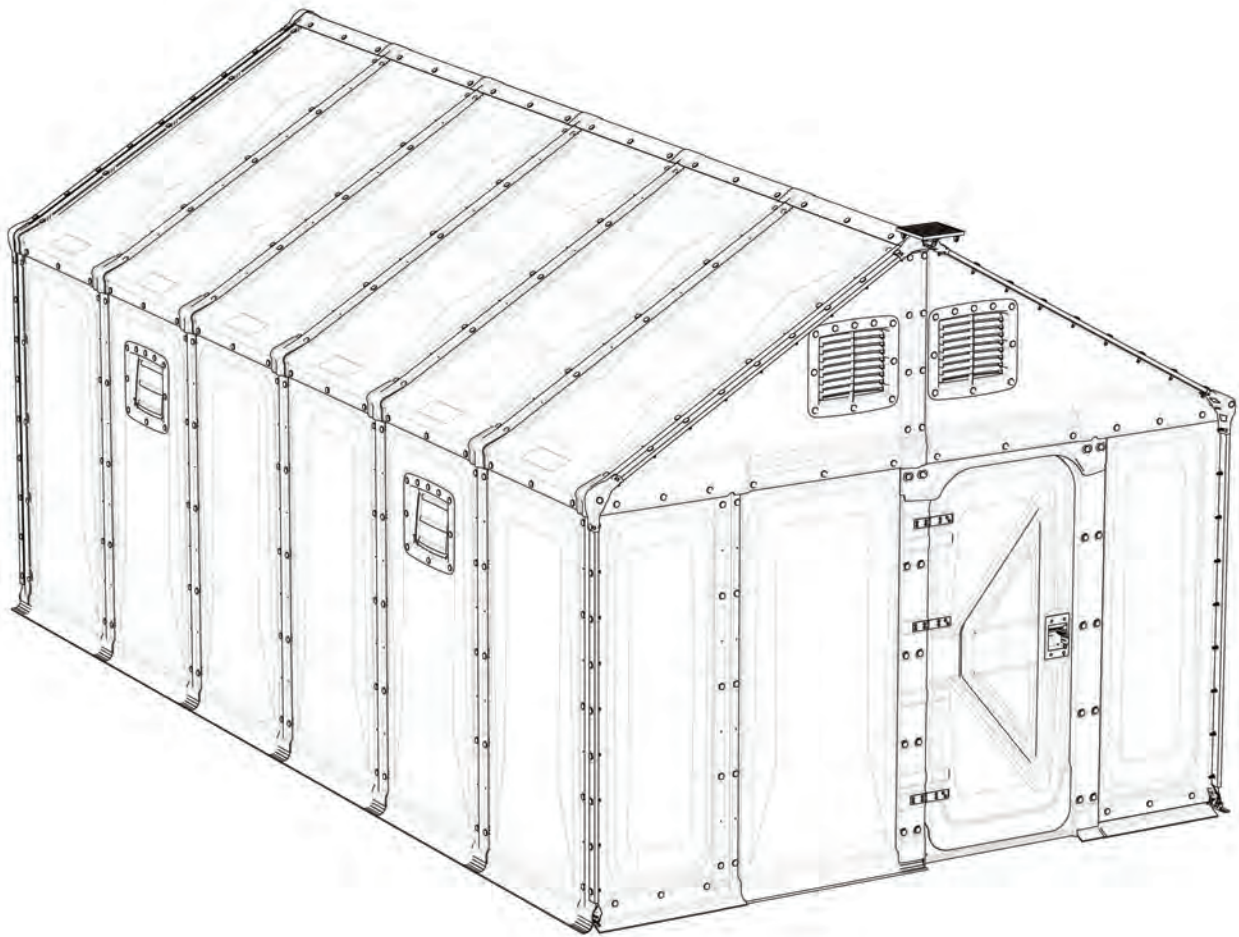




# Better Shelter Pre Assembly Manual

(192)

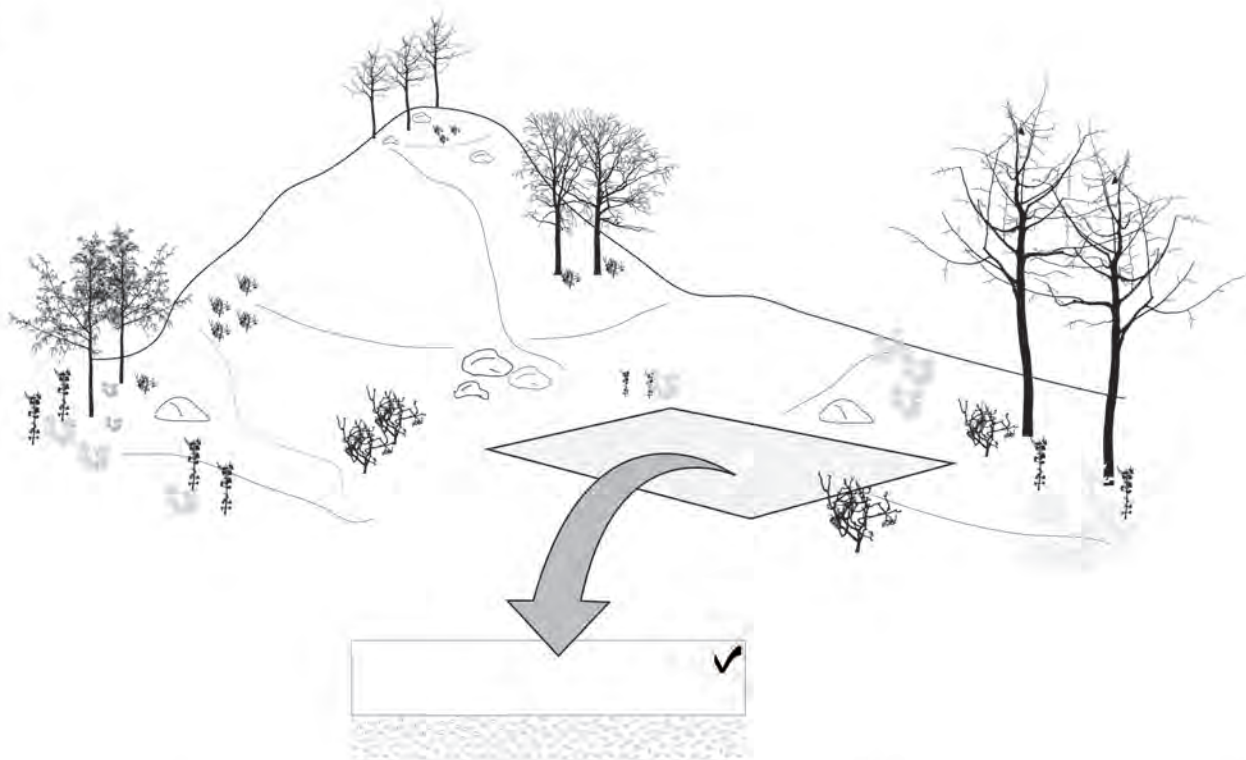
Manual de Montaje  
Manuel de Montage  
Montageanleitung  
Manuale di Montaggio



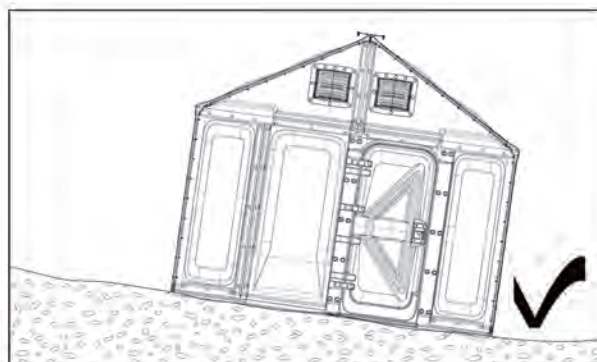
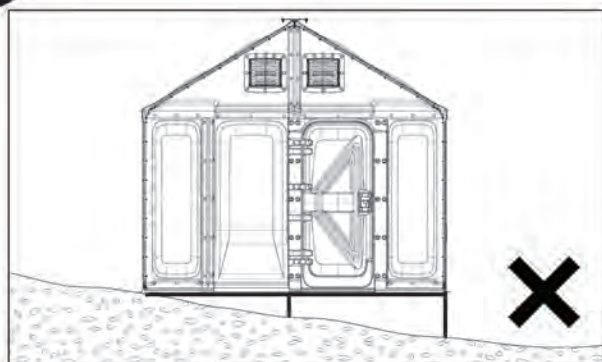
**Important control steps marked in red**

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1

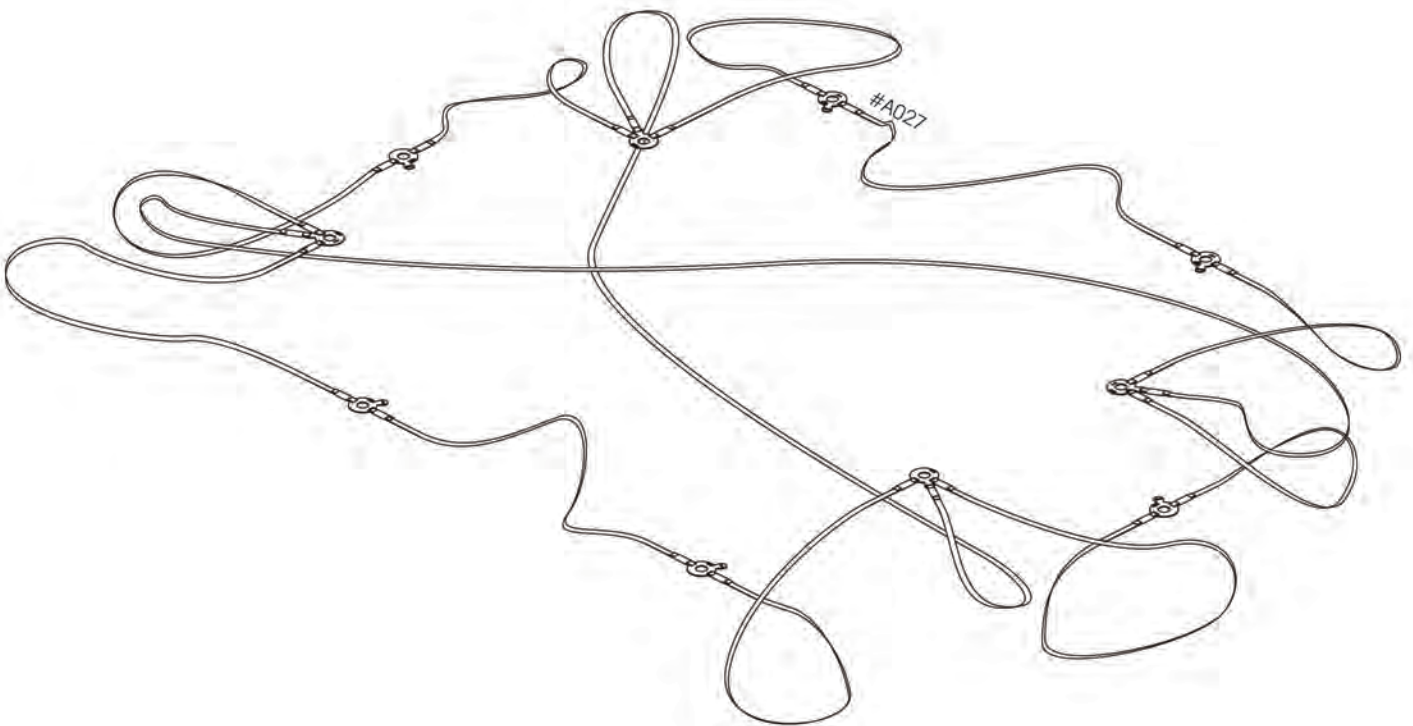
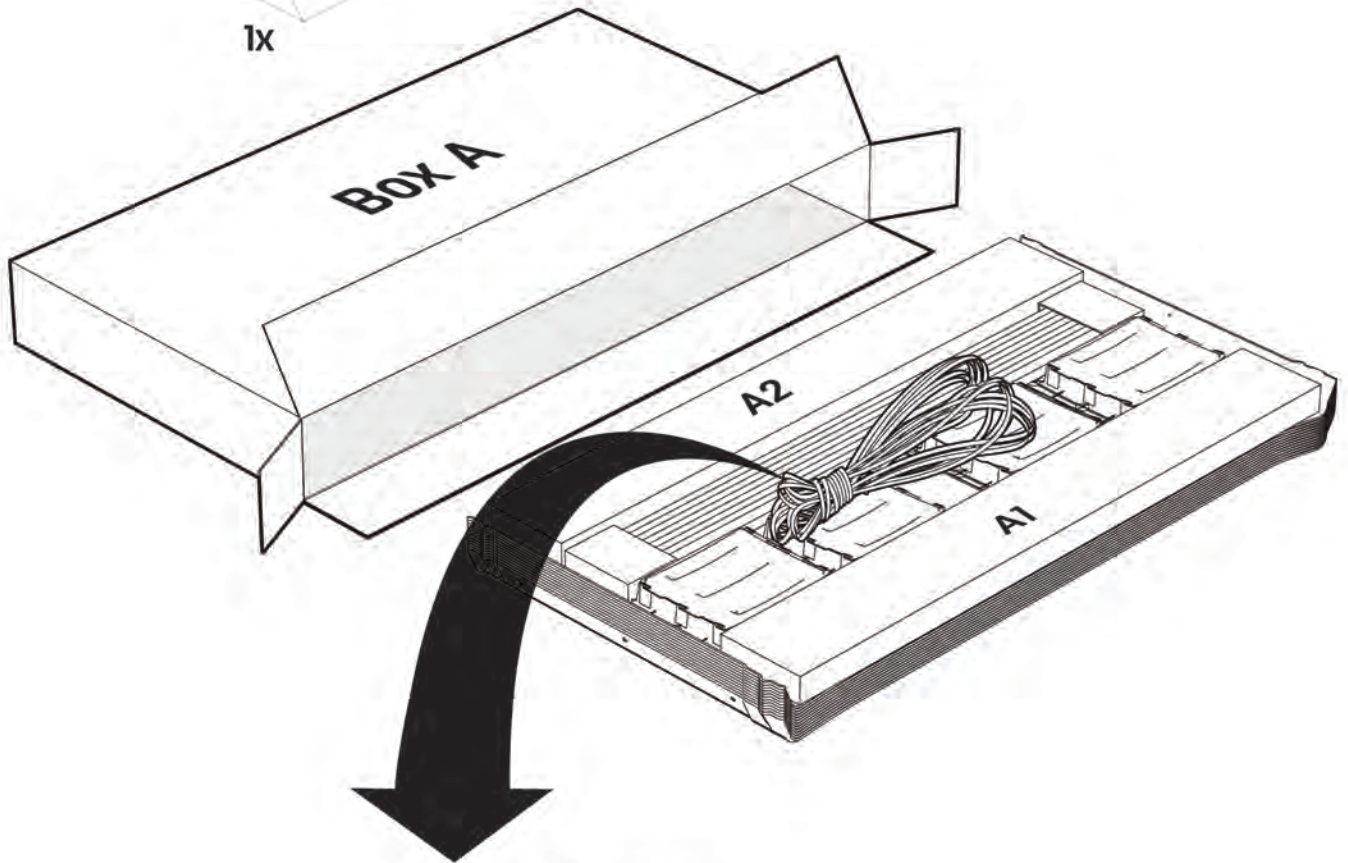
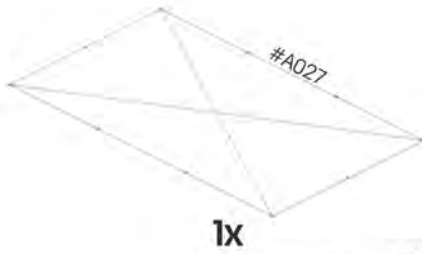


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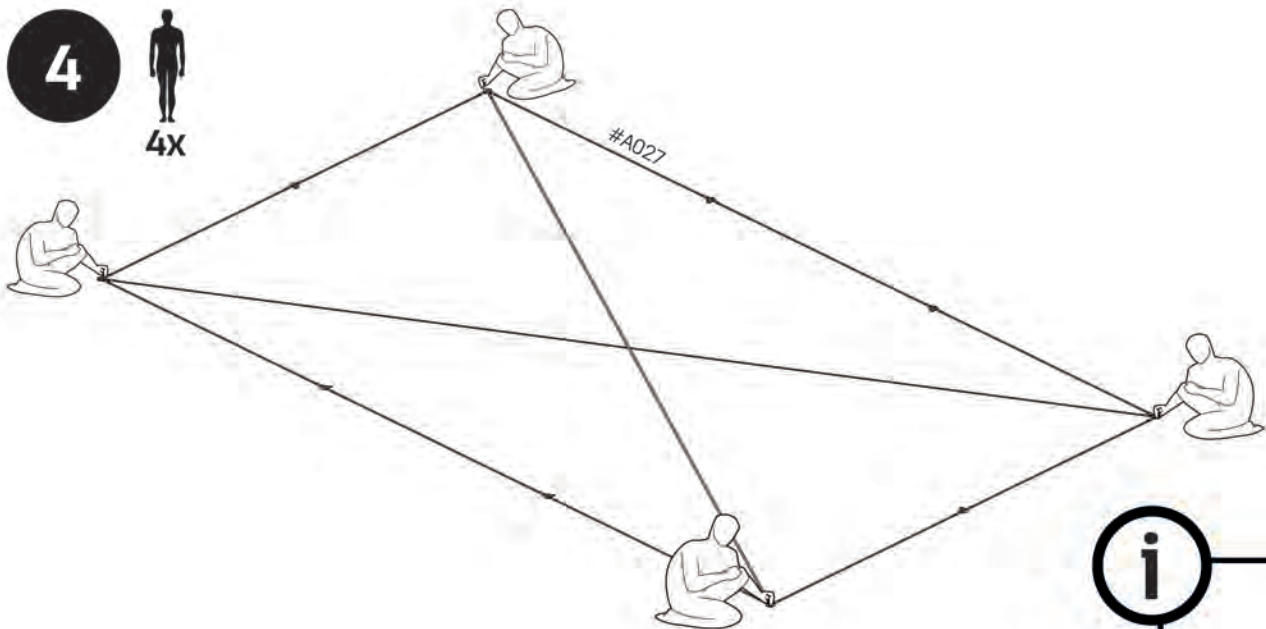
Max 6 degrees slope

3

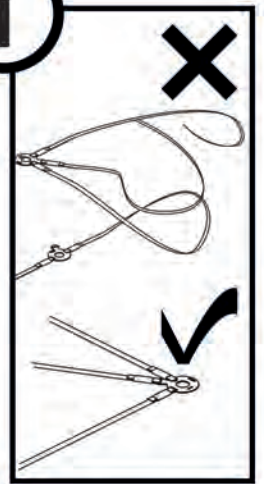




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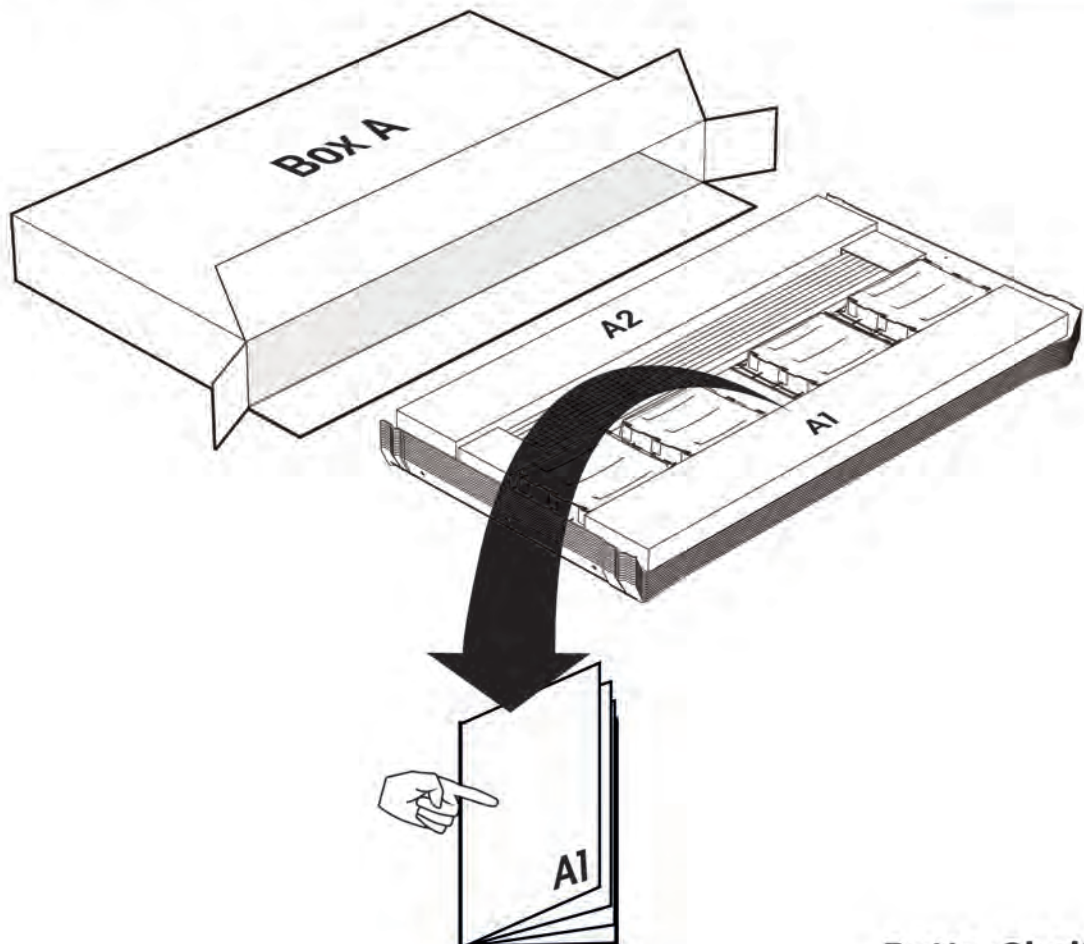


i



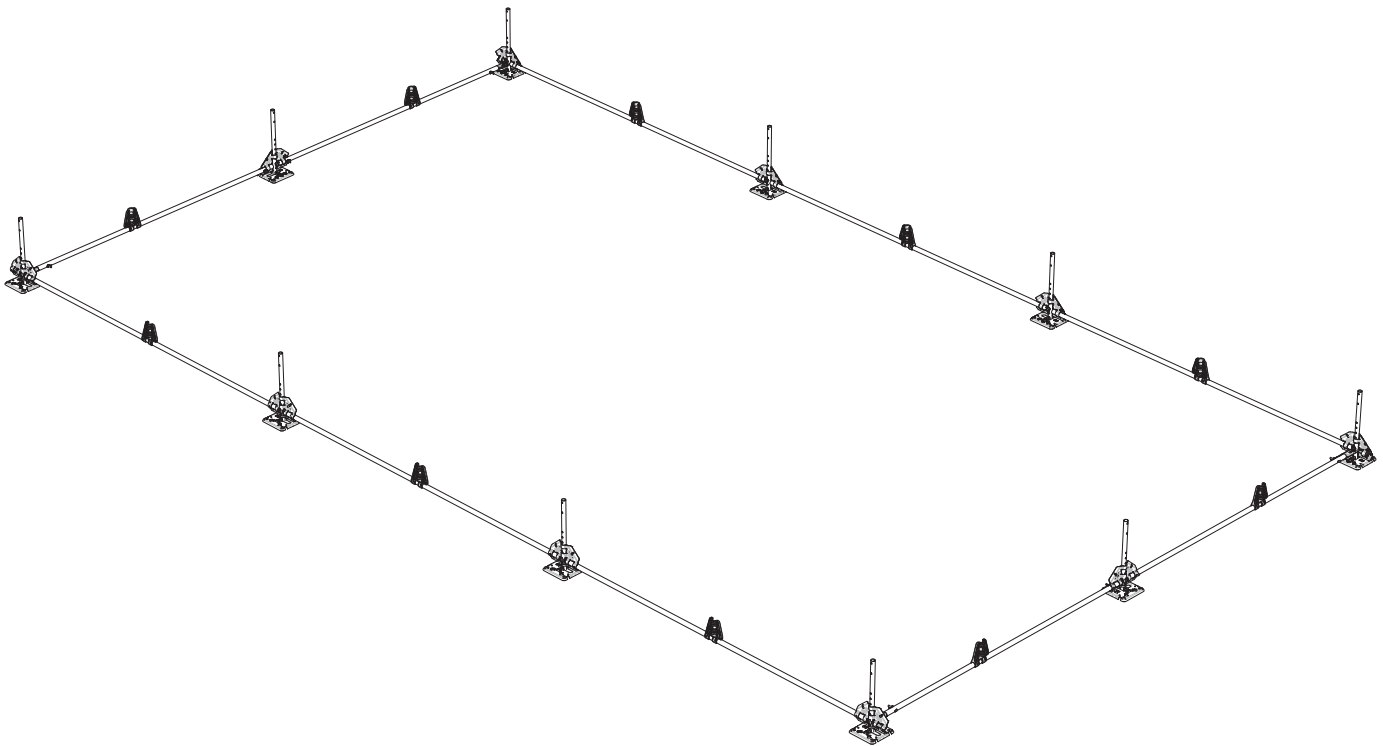
i

CONTENTS Box A



# Better Shelter **A1 \_ Foundation** **Assembly Manual**

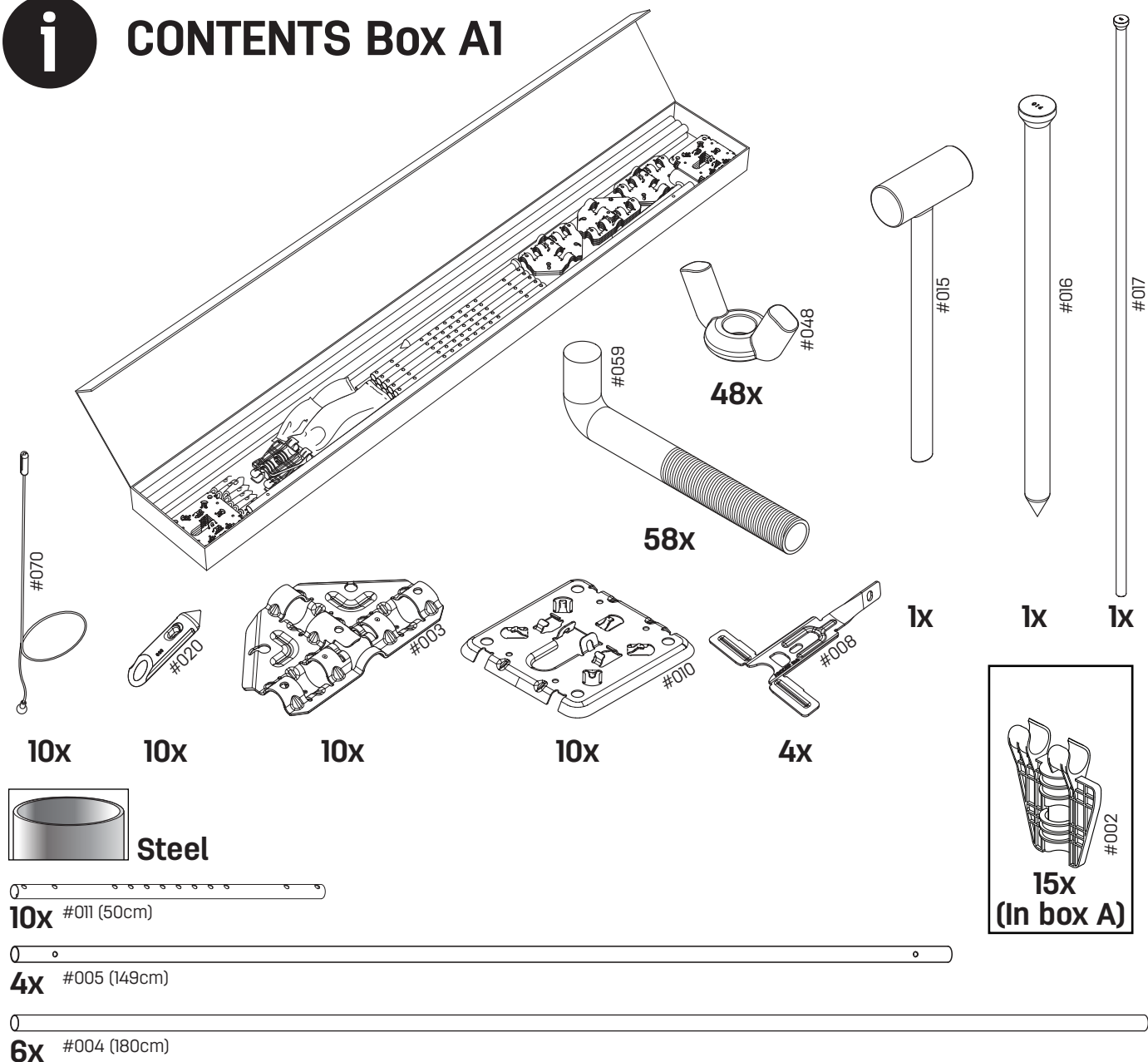
*Manual de Montaje*  
*Manuel de Montage*  
*Montageanleitung*  
*Manuale di Montaggio*



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## CONTENTS Box A1



## Legend

**1 2**

Main steps of assembly

**1 2 3 4**

Sequence of assembly

-----

Insertion path

**2x**  
#004

Number of parts in step or total  
Part ID number

**X2**

Number of repetitions



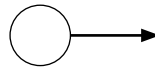
Movement direction



Active part



Information



Detail placement



Rotate part or move to opposite part  
of shelter



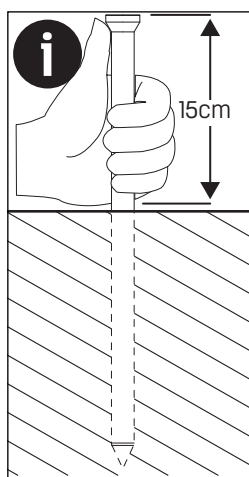
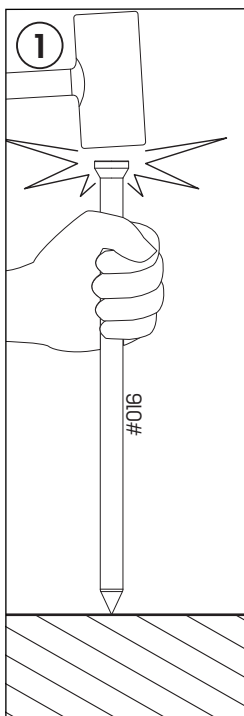
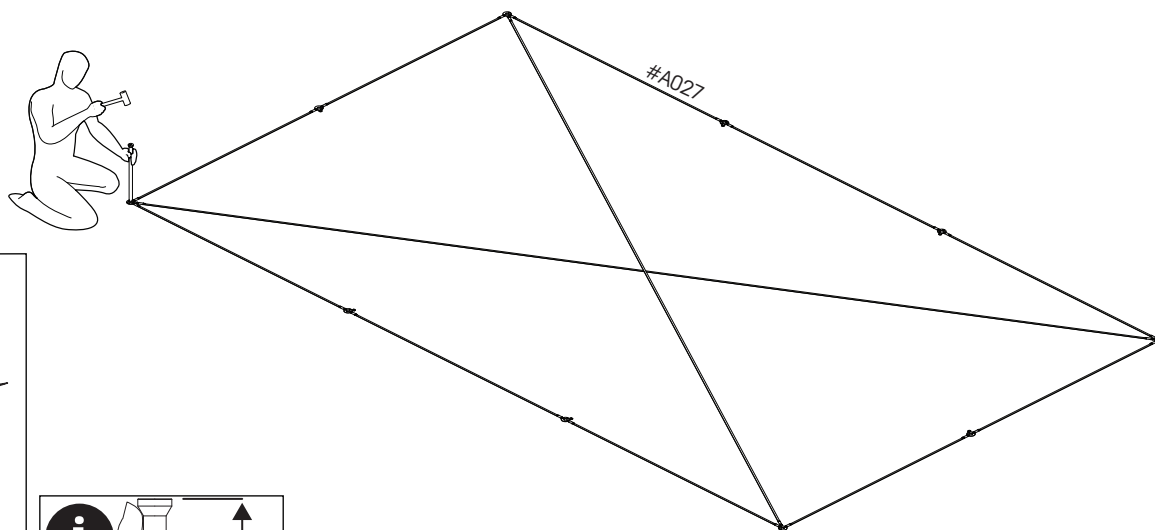
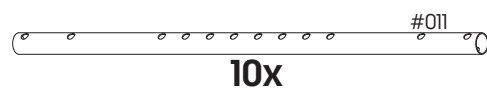
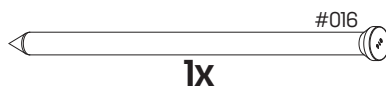
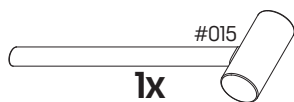
Important detail or position

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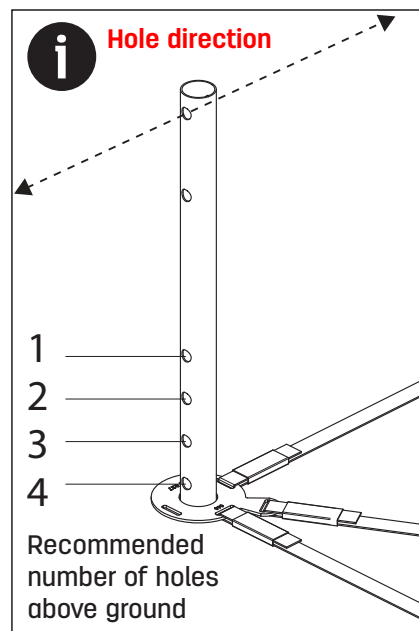
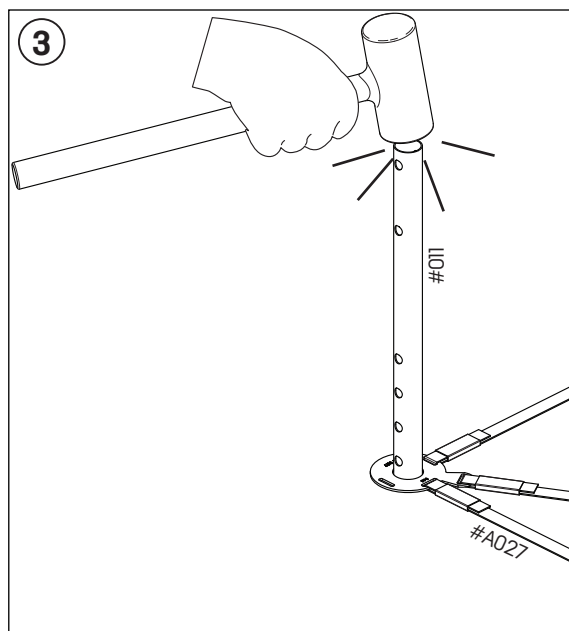
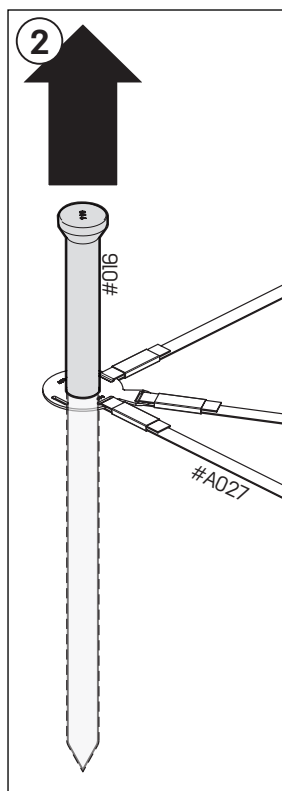
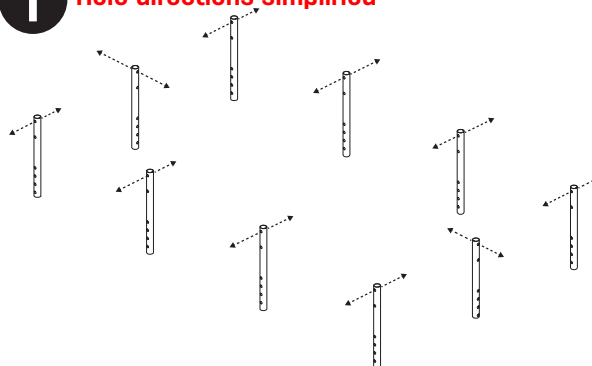
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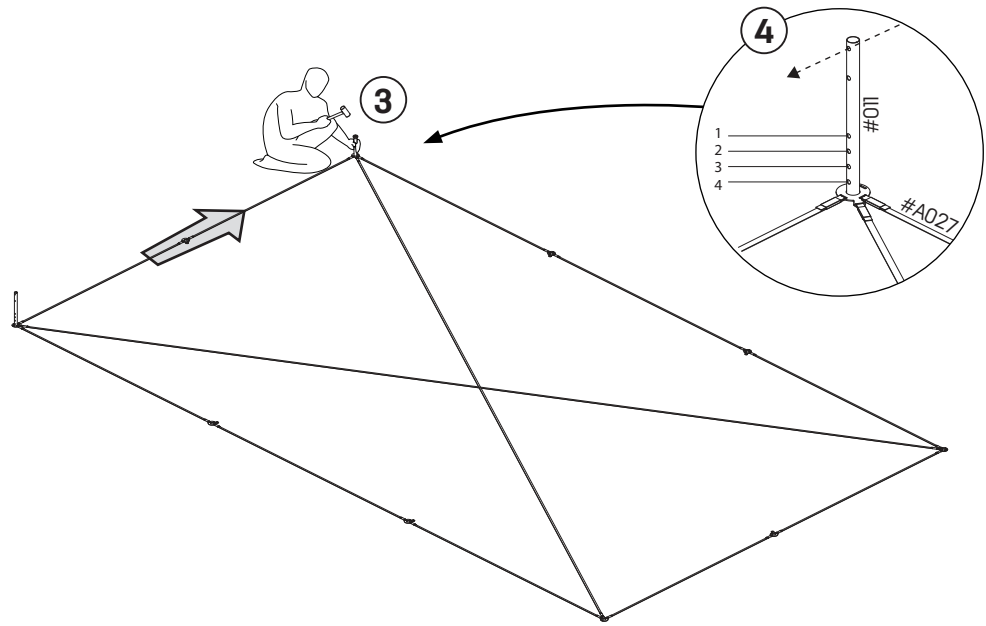
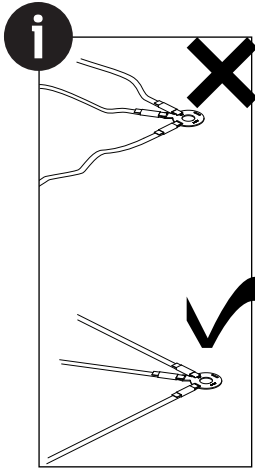
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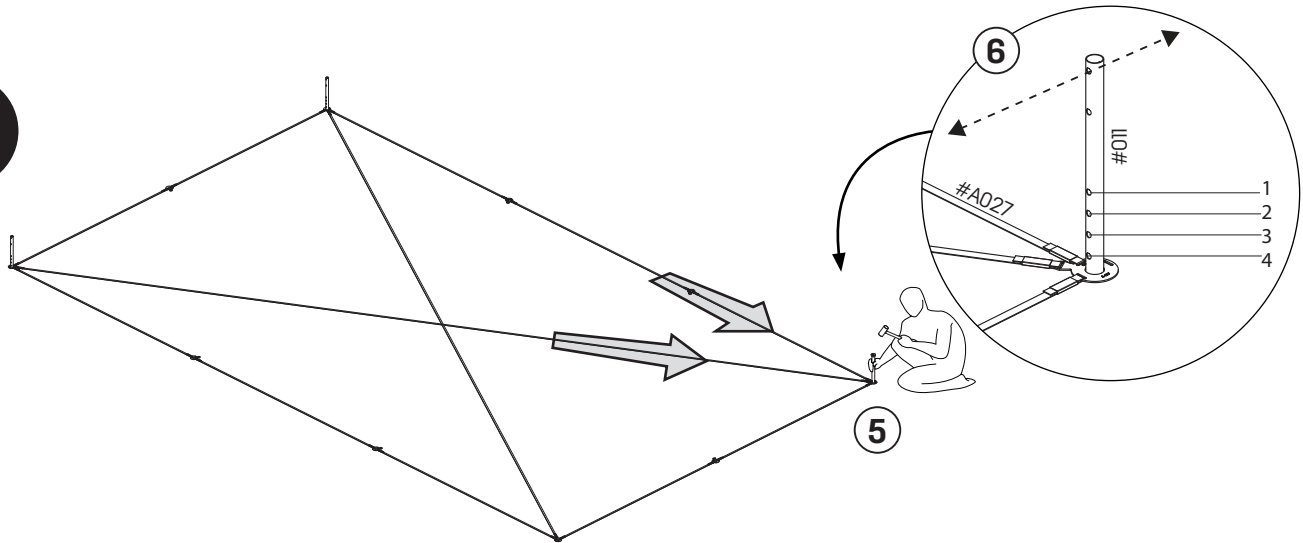
**i** Hole directions simplified



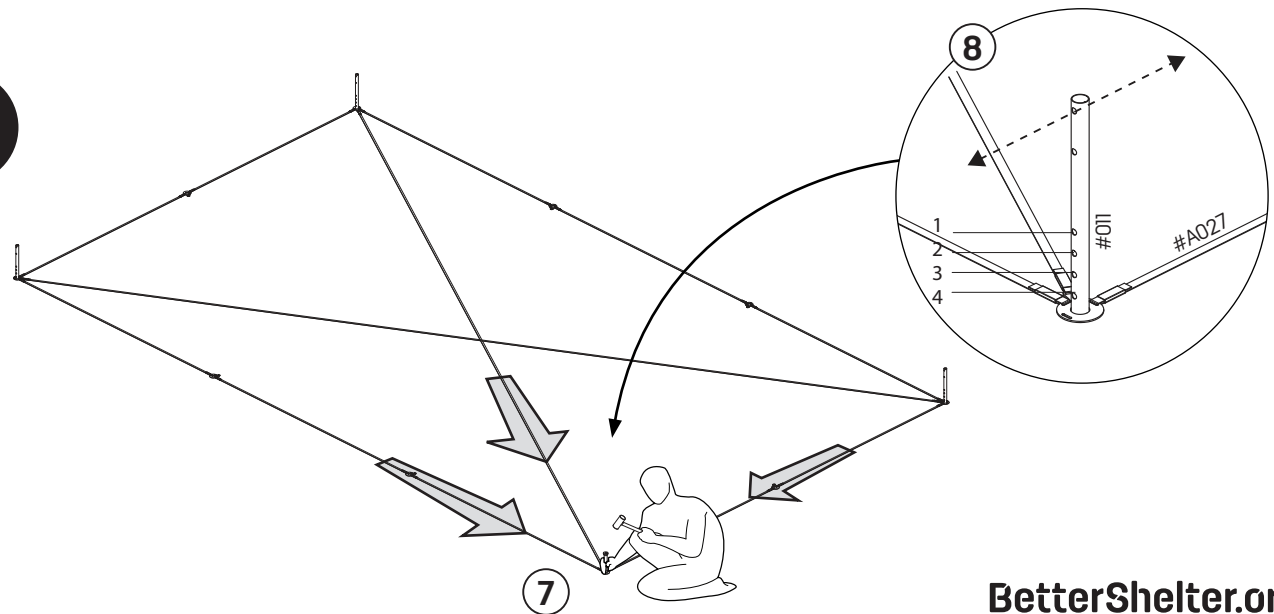
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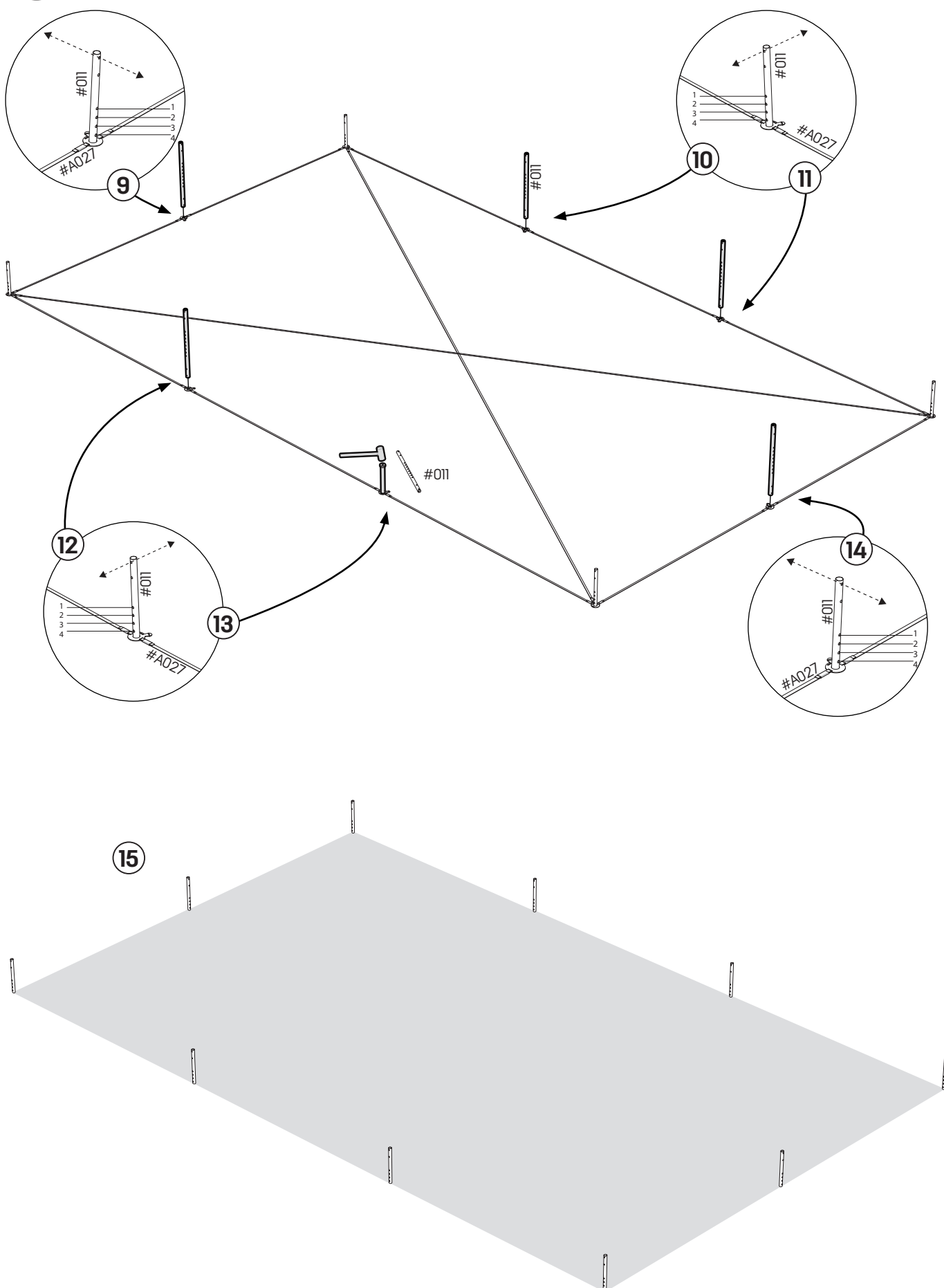


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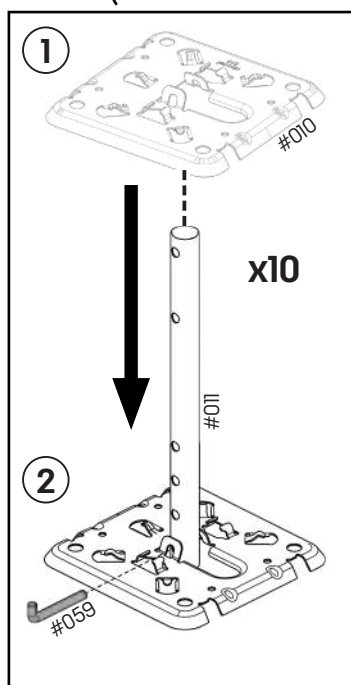
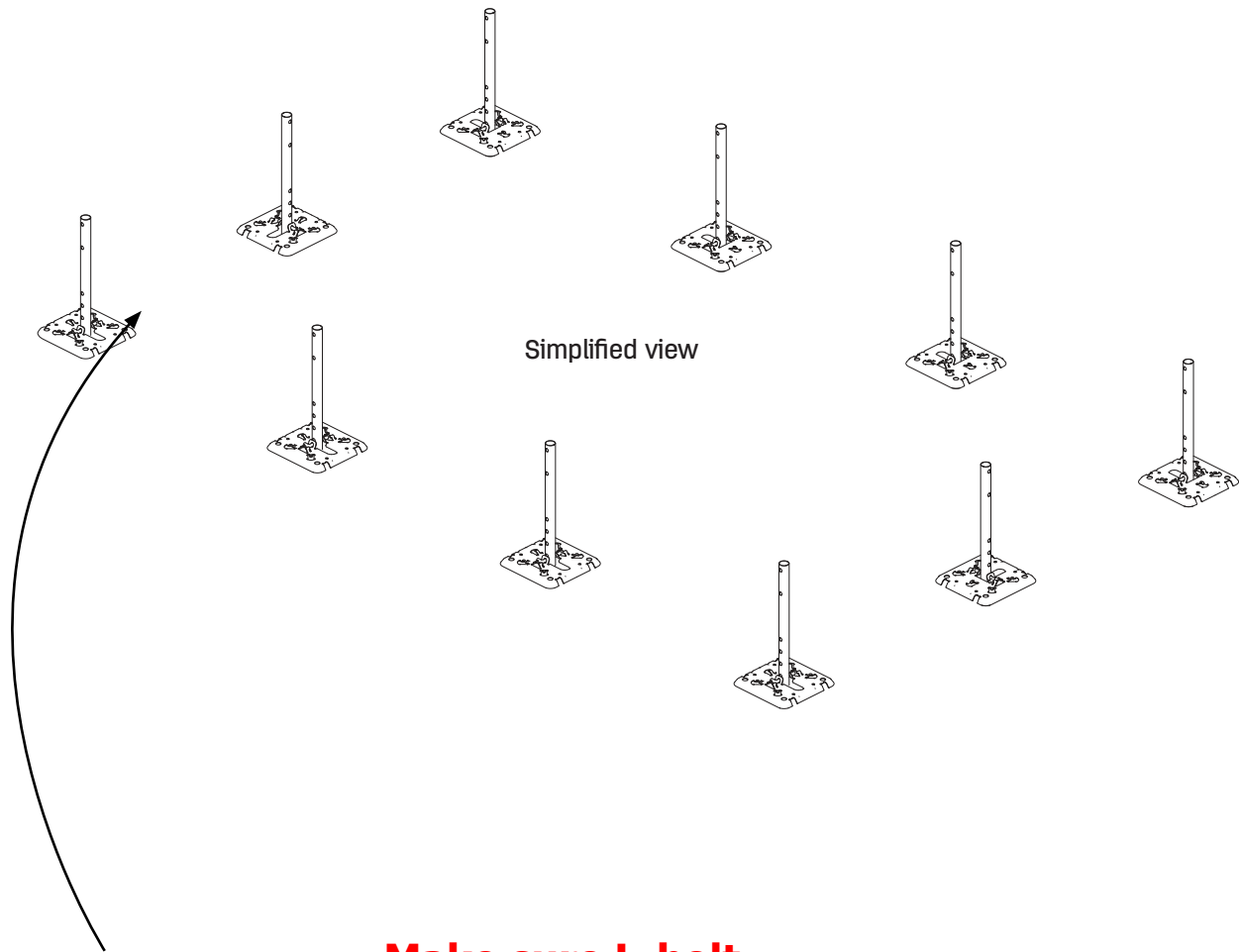
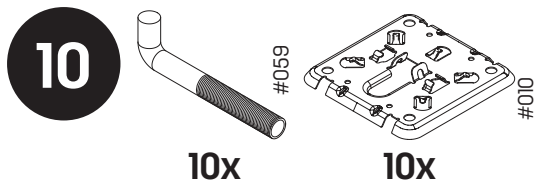


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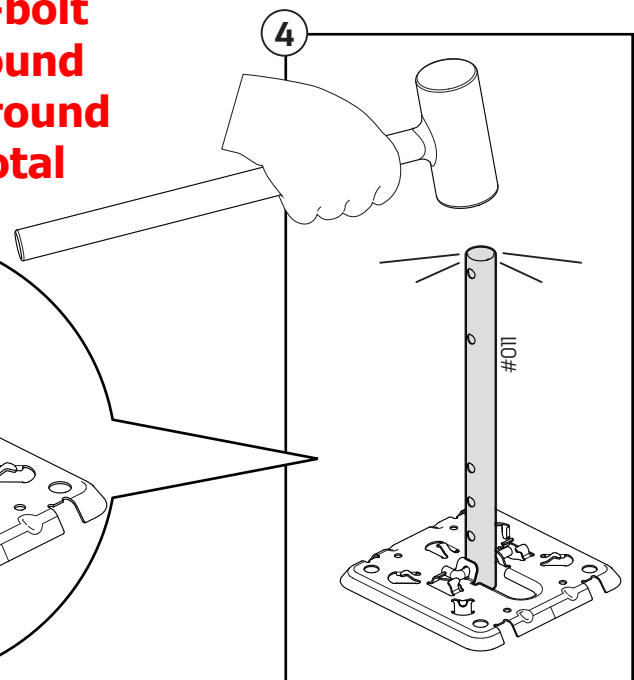
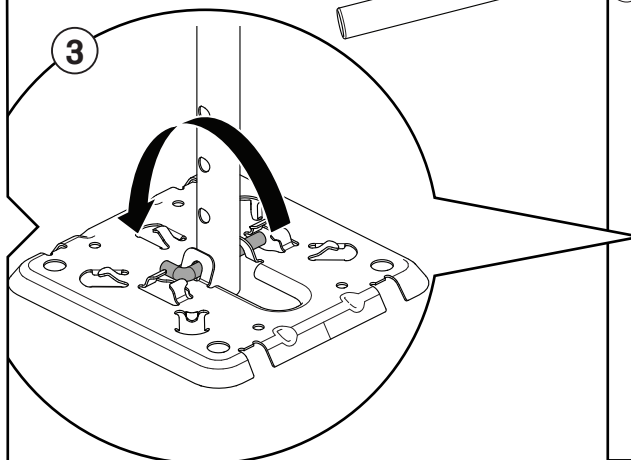
Repeat Step 5



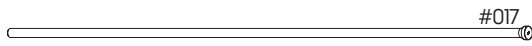




**Make sure L-bolt connects ground plate with ground pipe. 10 in total**



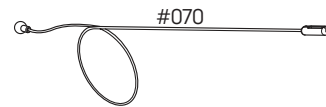
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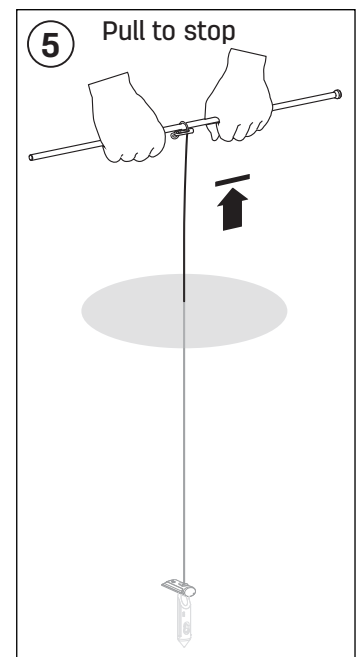
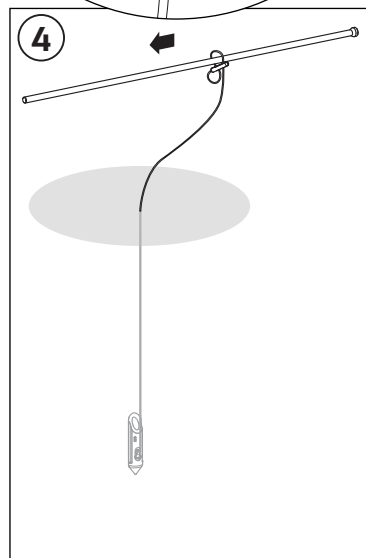
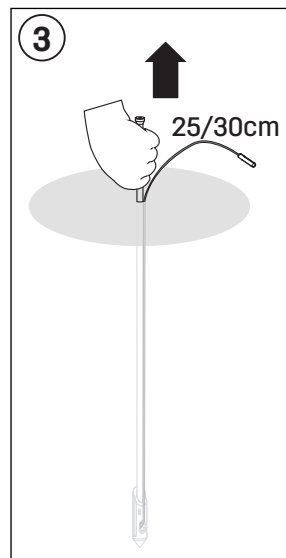
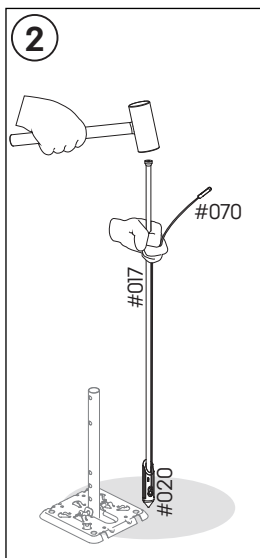
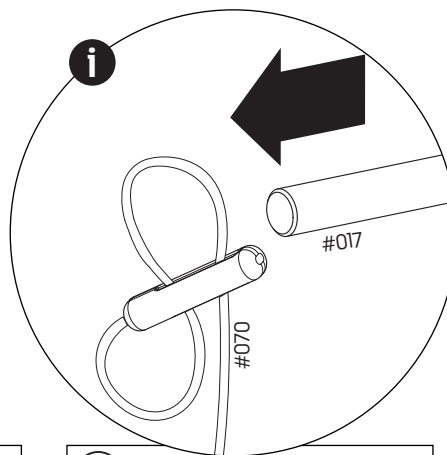
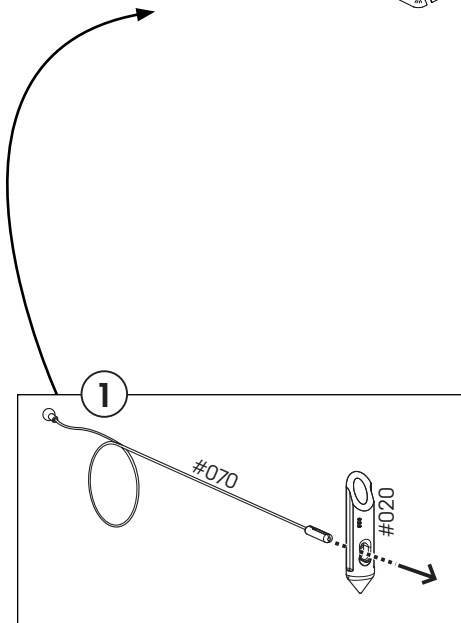
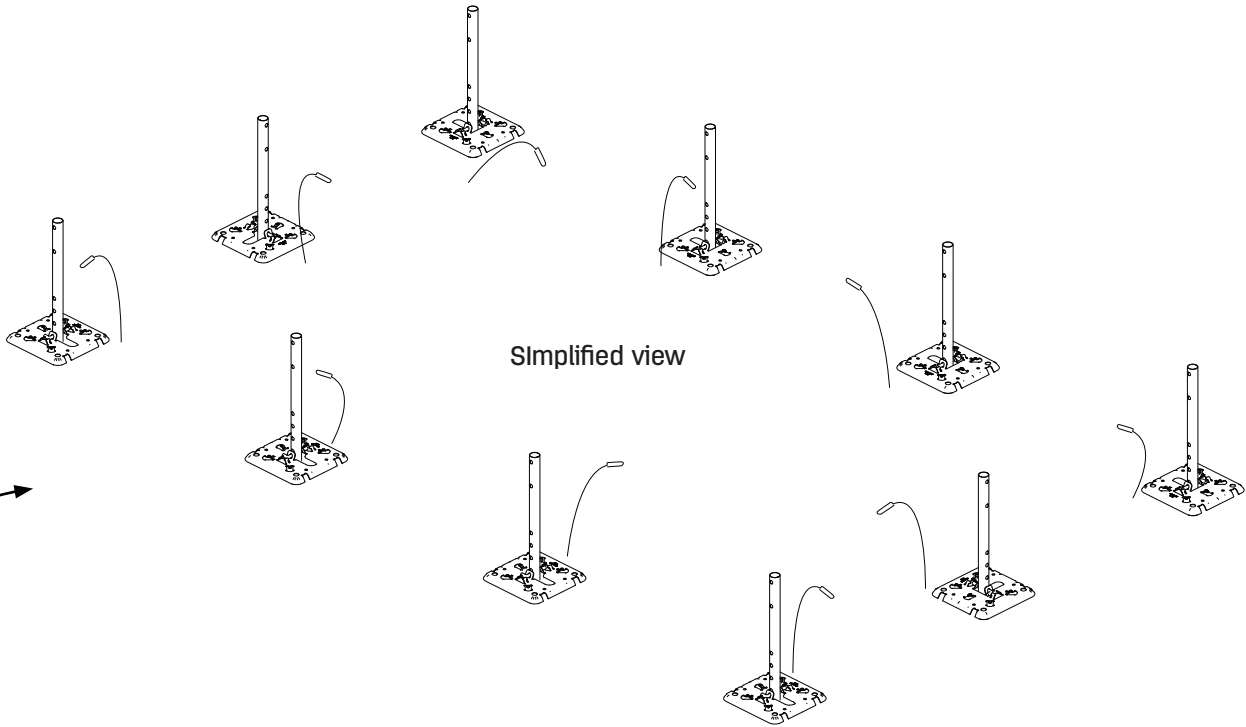
1x



10x

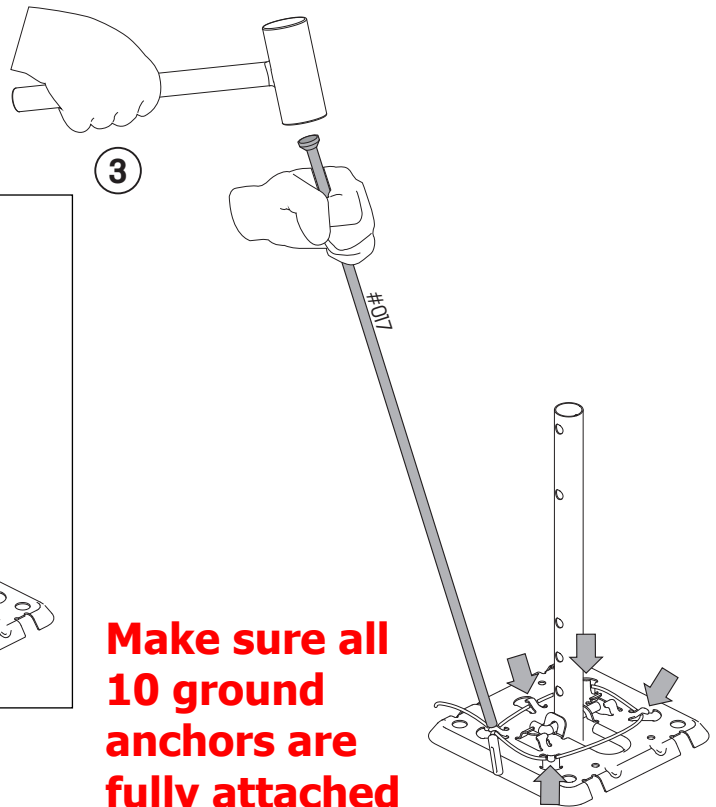
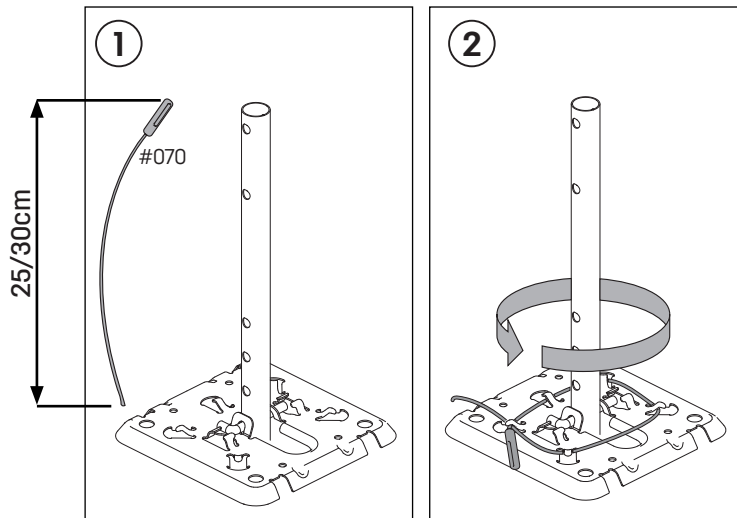


10x



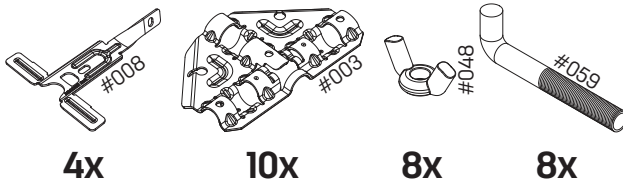
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**12** x10

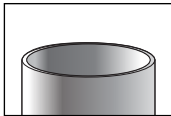


**Make sure all 10 ground anchors are fully attached to each ground plate.**

**13**

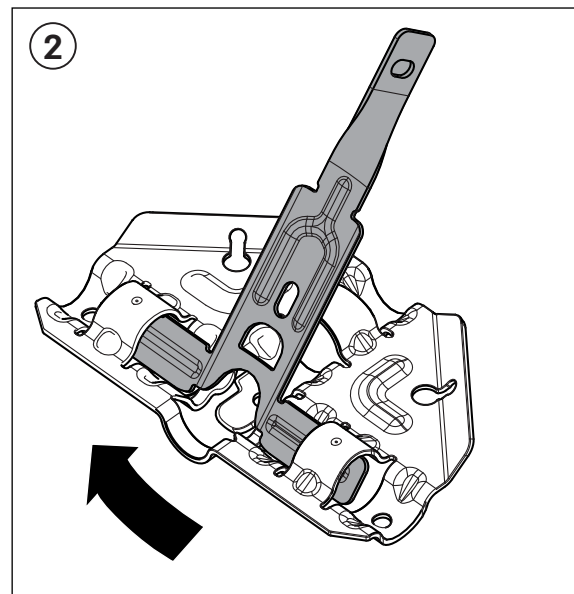
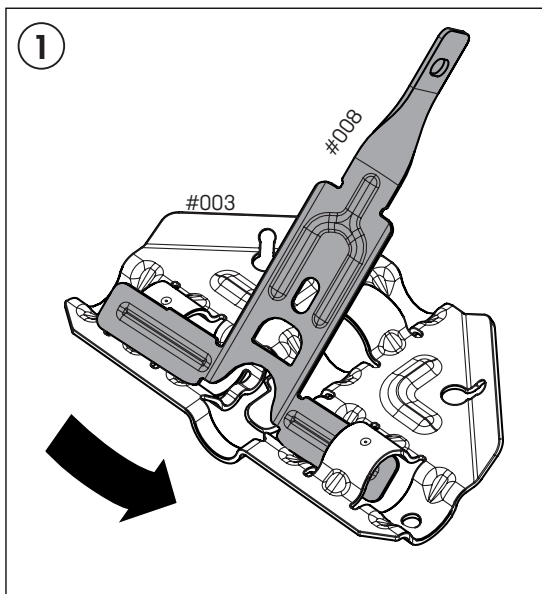


**Steel**



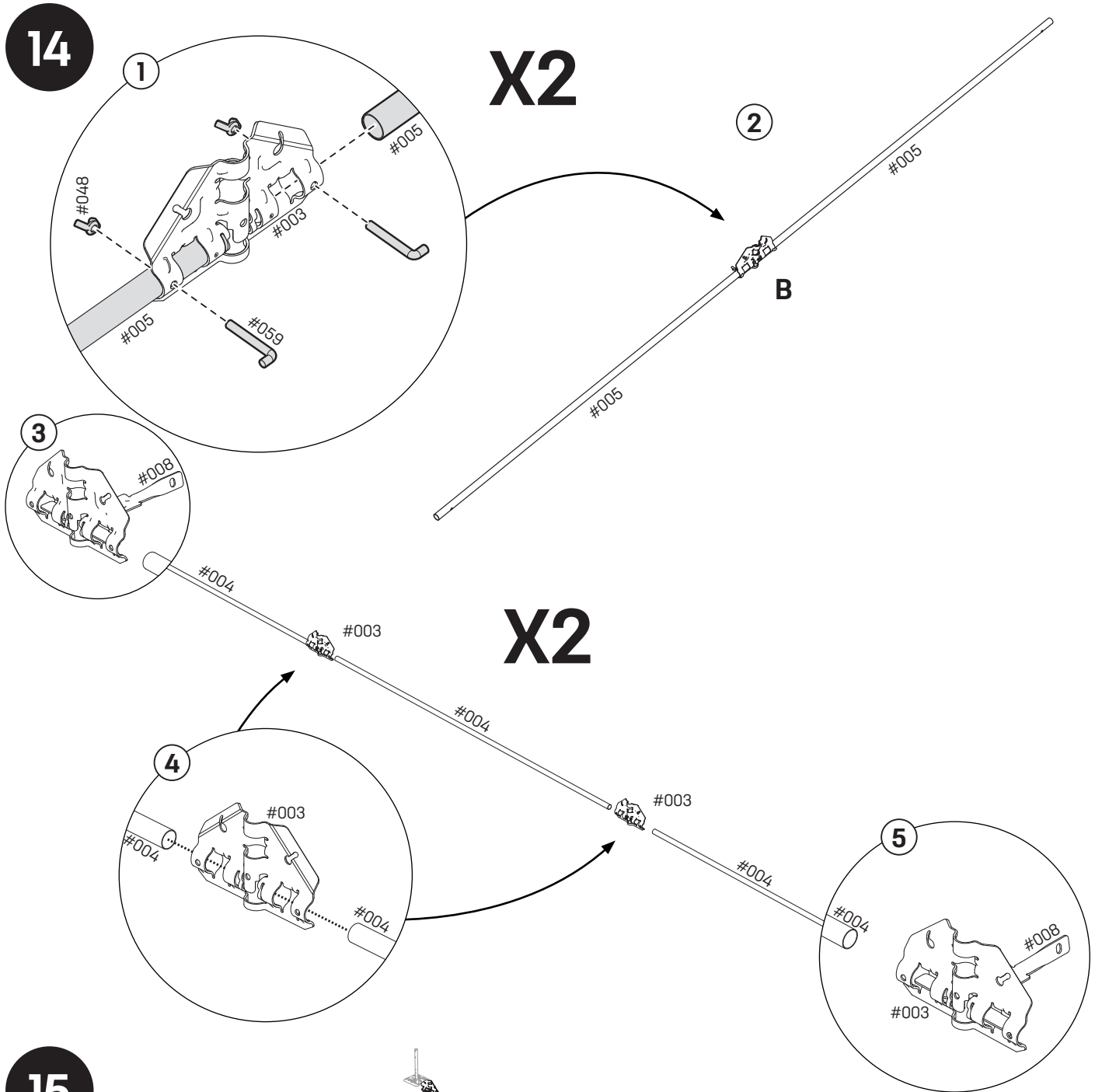
**4x** #005 (149cm)

**6x** #004 (180cm)

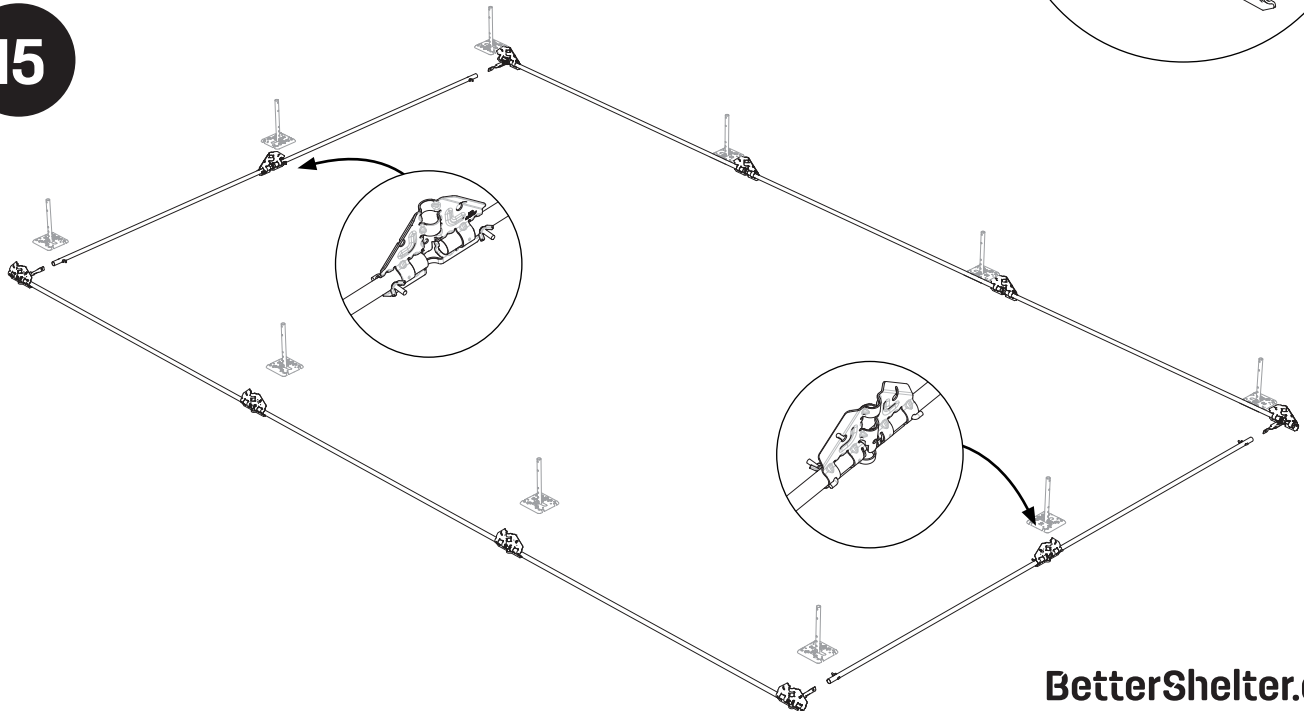




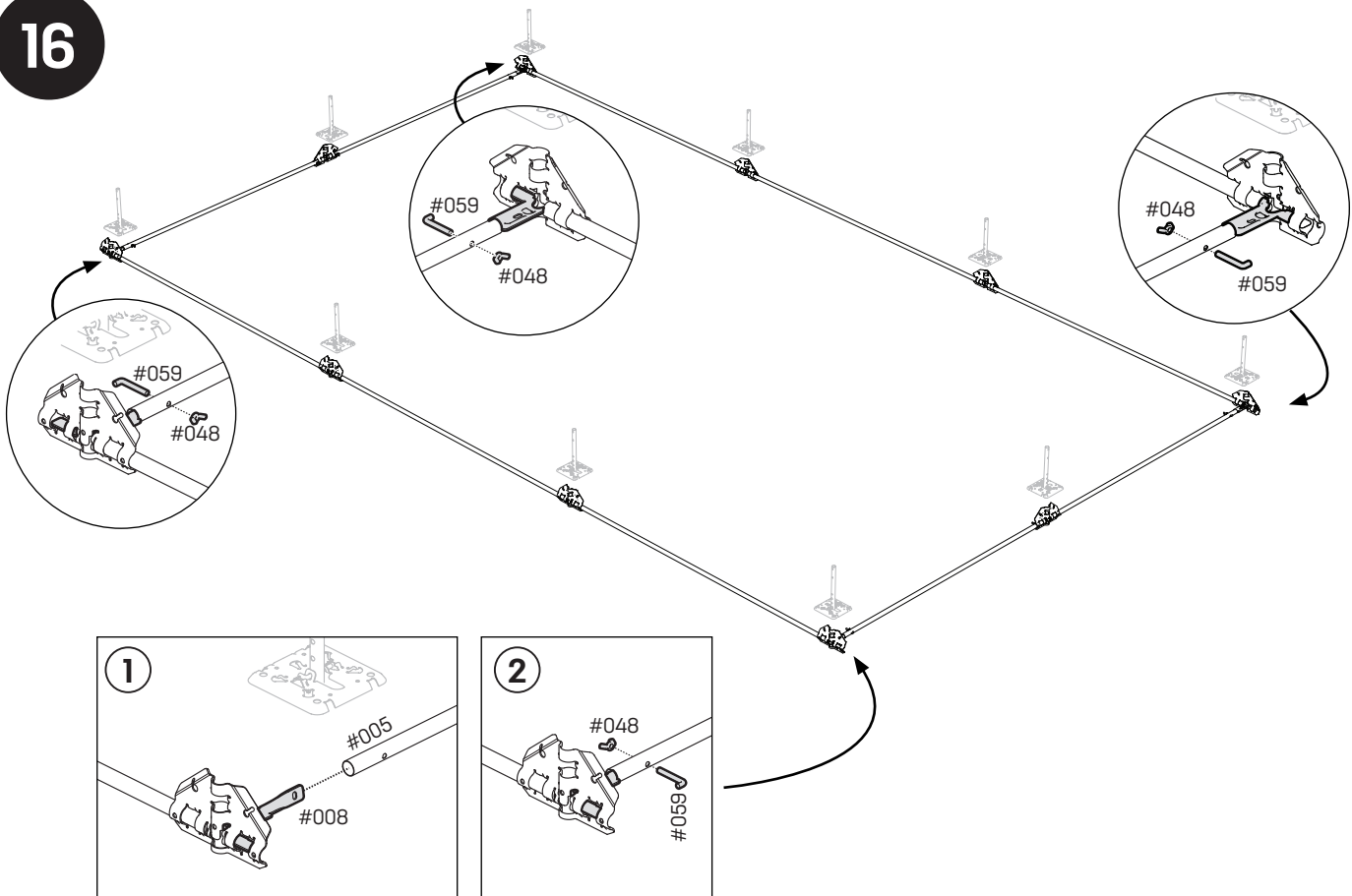
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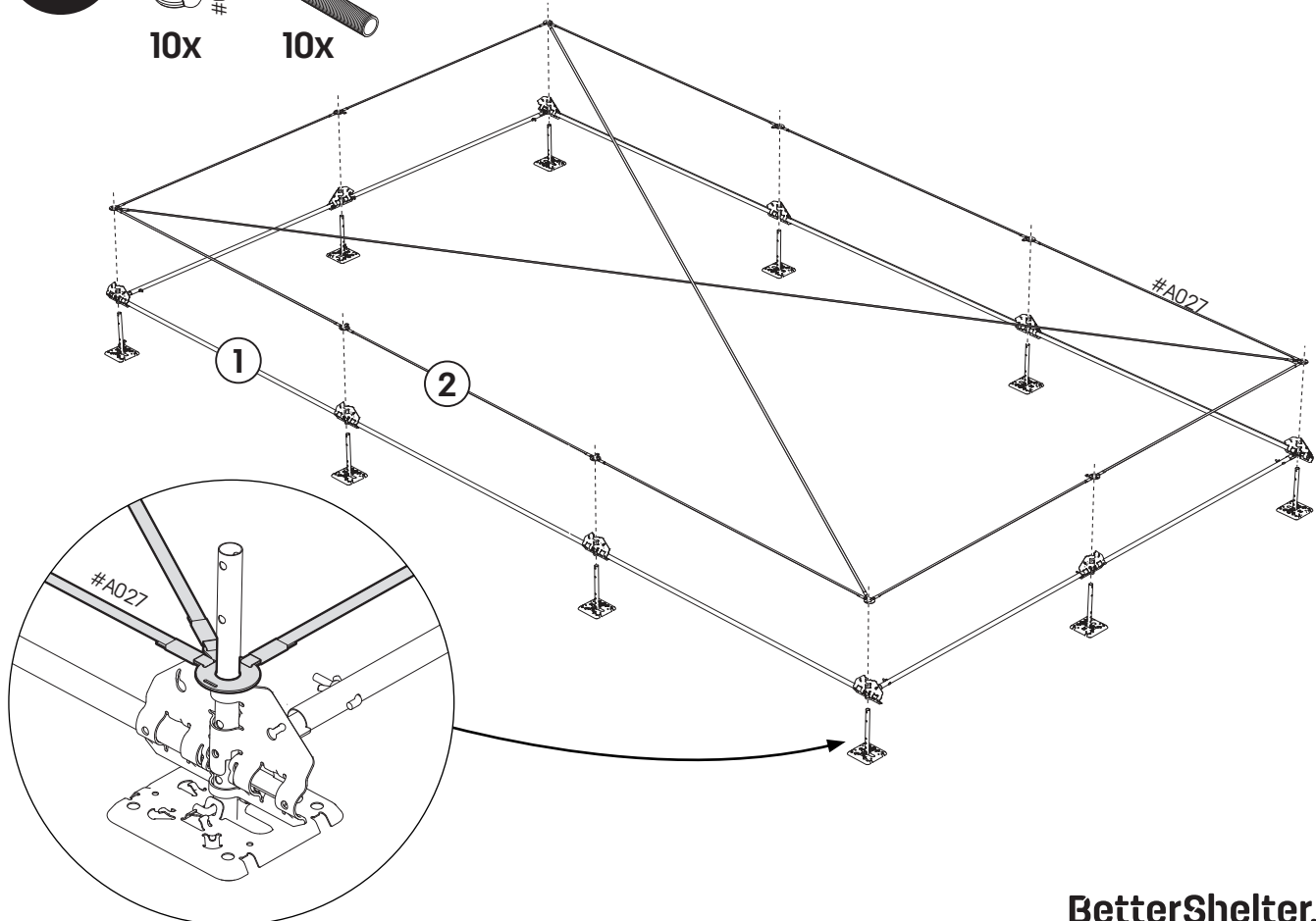
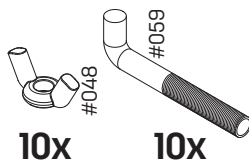
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16

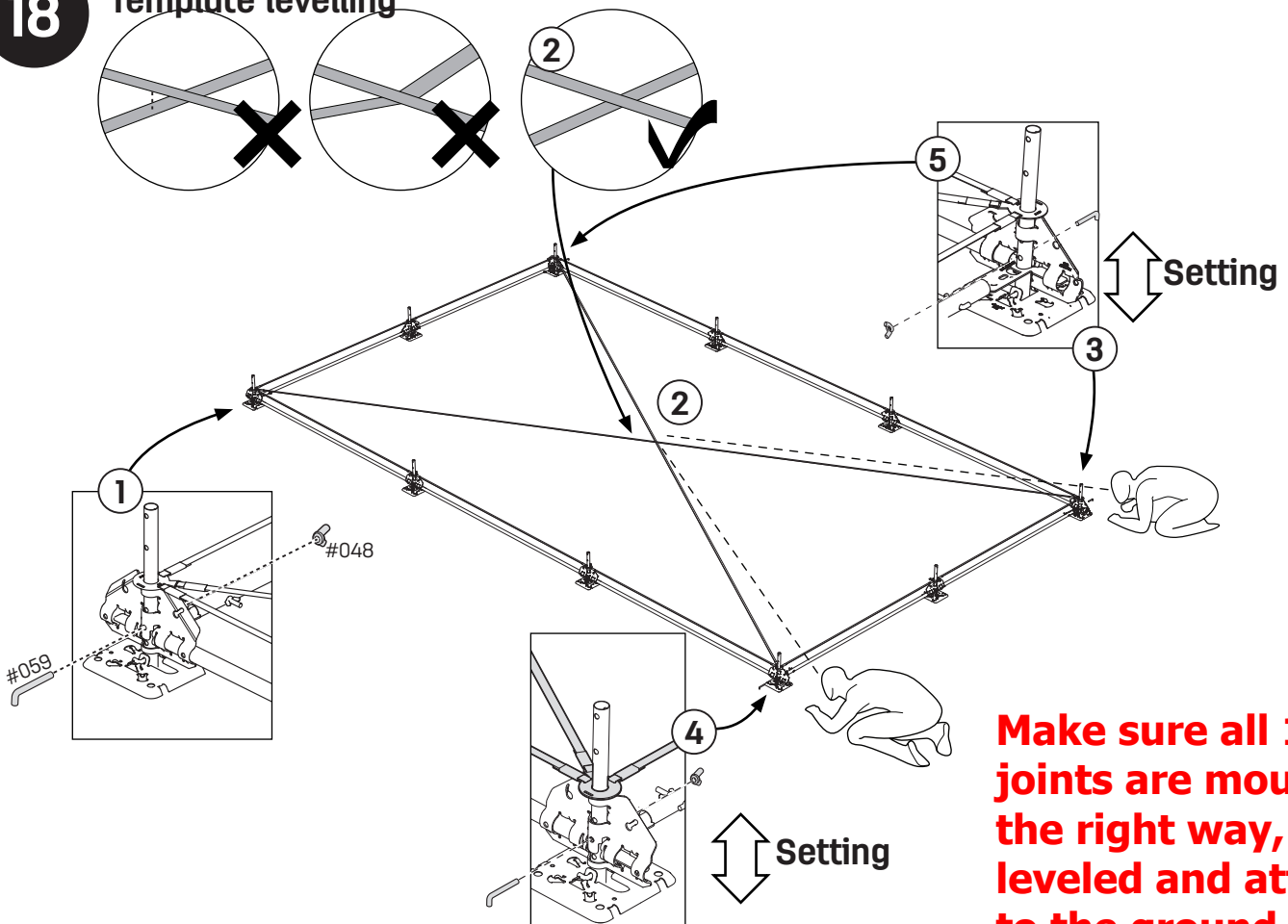


17



18

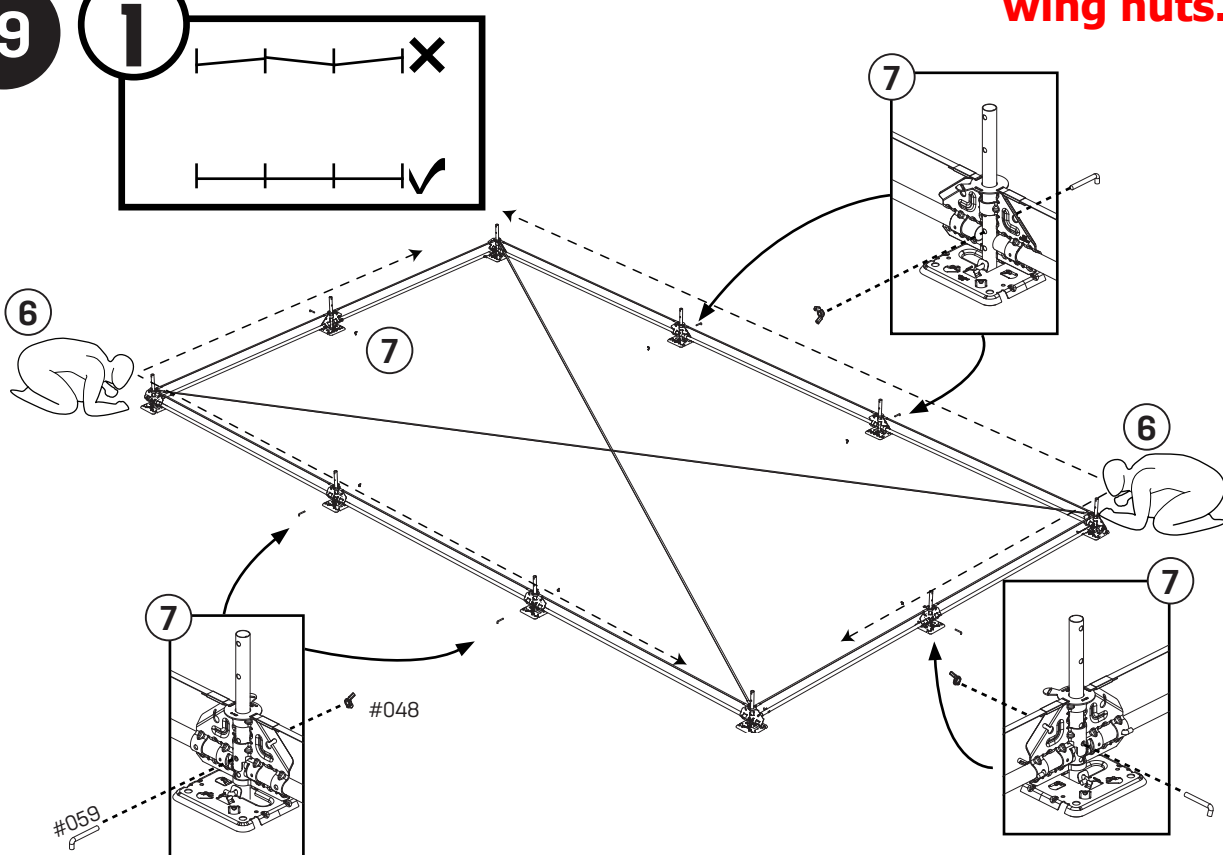
## Template levelling



**Make sure all 10 joints are mounted the right way, leveled and attached to the ground pipes with L-bolts and wing nuts.**

19

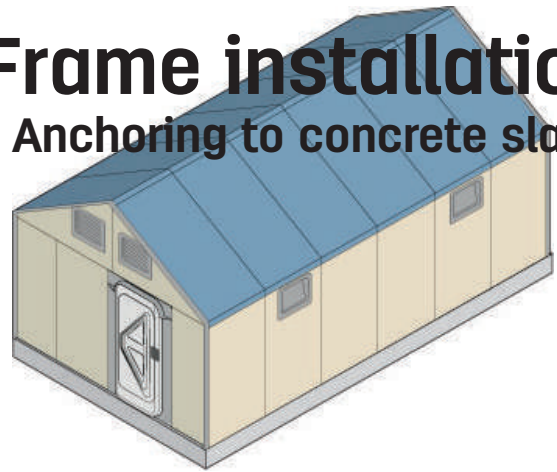
i





# Frame installation

## Anchoring to concrete slab



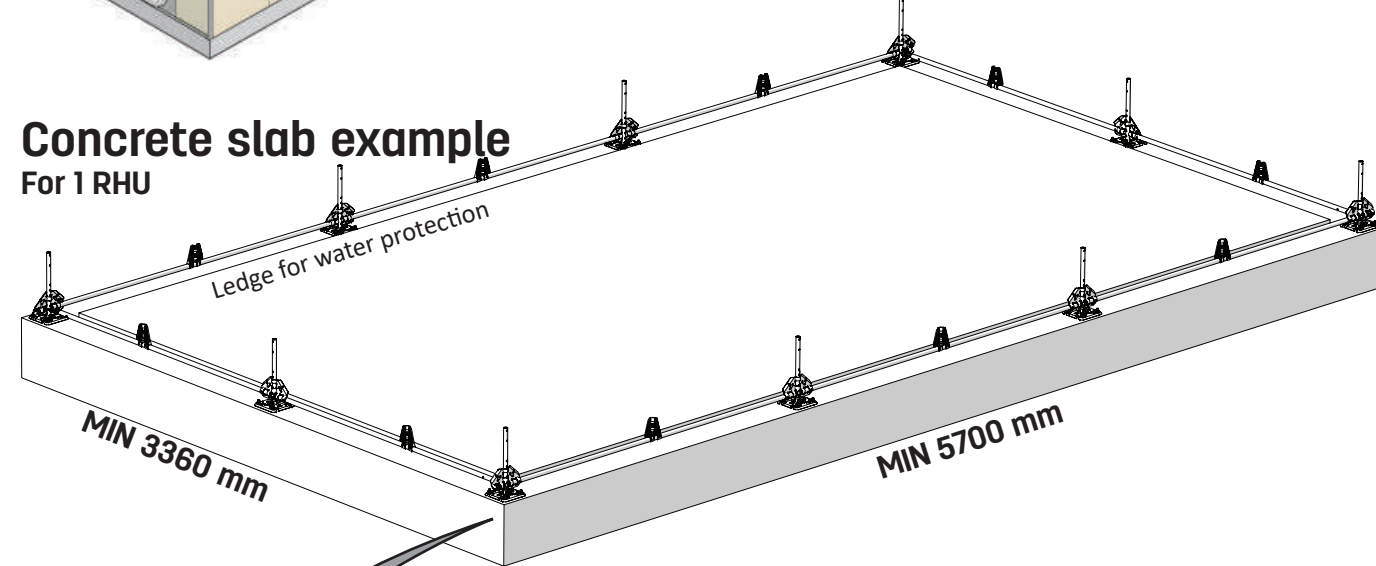
### Improves performance in these situations:

Flooding prone areas.  
High wind areas (coast etc).  
Protracted situations.  
Non-family applications, such as clinics, distribution centers etc, (i.e. high wear and tear).

Increases general wind resistance  
*Increases lifespan of shelter*  
Increases beneficiary comfort

## Concrete slab example

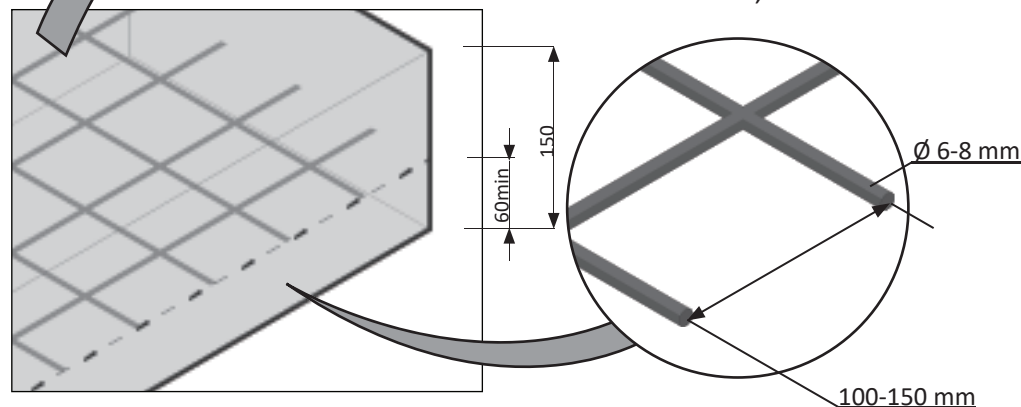
For 1 RHU



## Concrete slab recommended dimensions

Minimum thickness 150 mm

## Placement of reinforcement



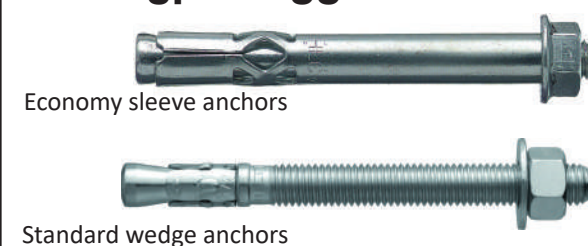
### Recommended reinforcement bar type:

Mat, grid 100-150 mm  
Bar, diam 6-8 mm

## Bill of Quantity - 1 std RHU

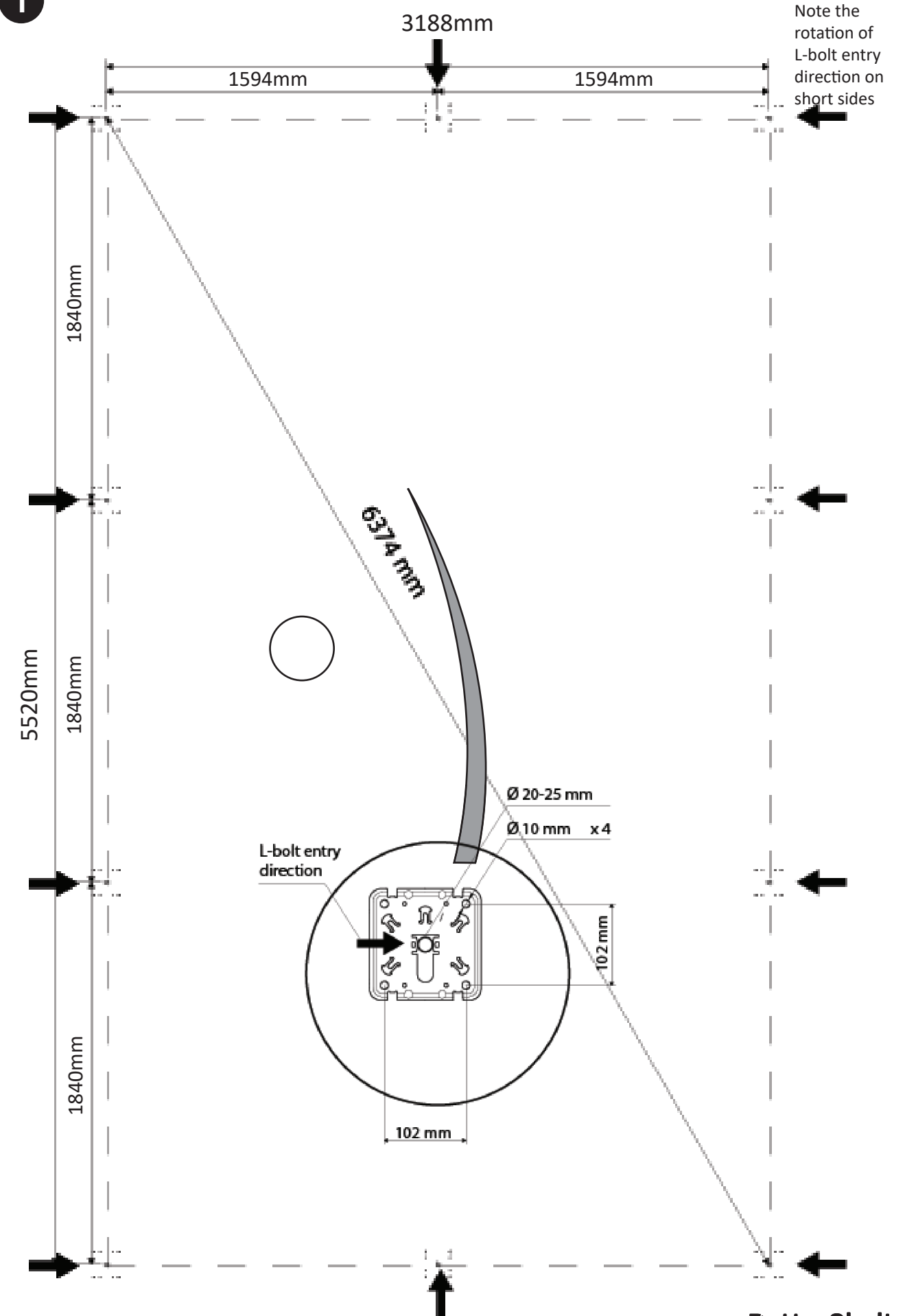
5-10 m measuring tape	Hammer
Thick black pencil	Suitable wrench
Power drill	Drill 20-25 mm diam
40x M8 anchors*	Drill (M8)
40x M8 washers	
40x M8 lock nuts	

## Bolt type suggestion

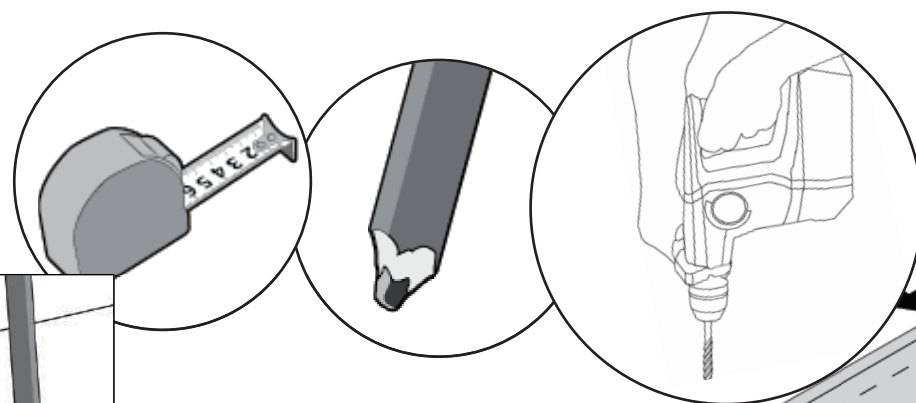
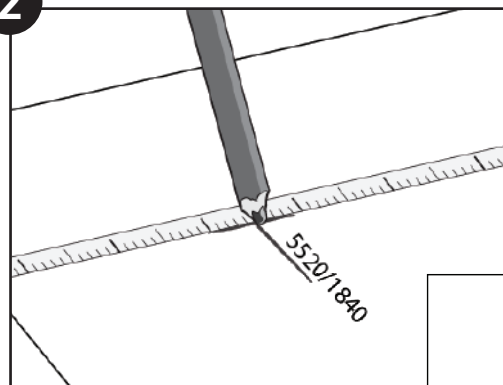


## Concrete slab assembly Step by step

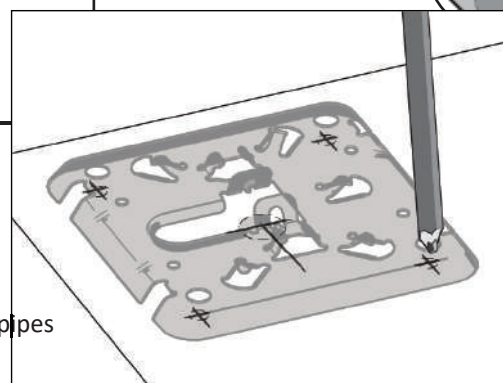
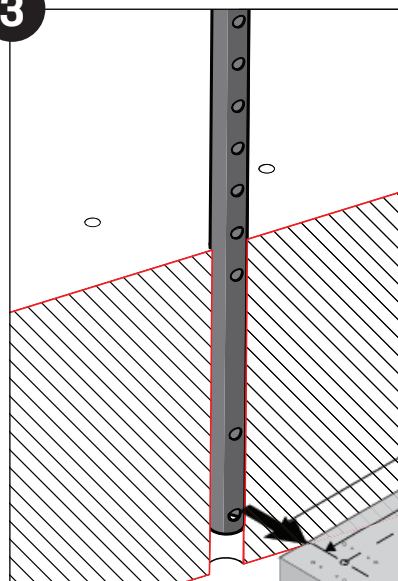
**1** Mark out & Drill holes according to below drawing



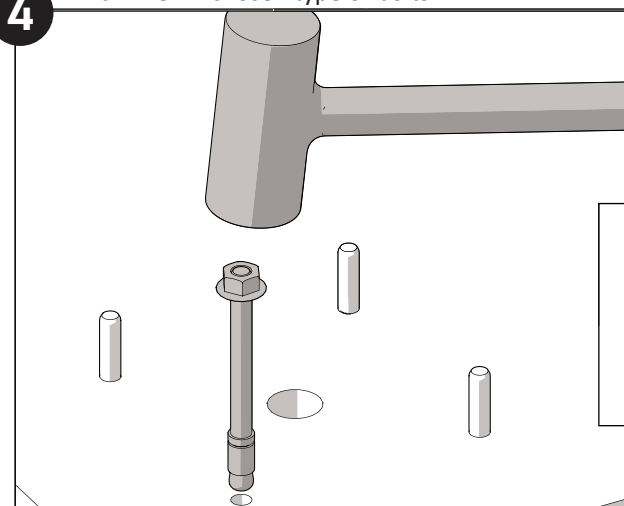
2 Use the ground plate as a detail template



3 Recommended: Insert Ground pipes

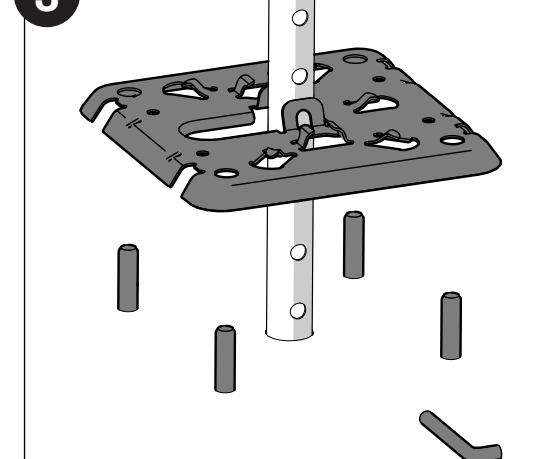


4 Hammer in chosen type of bolts

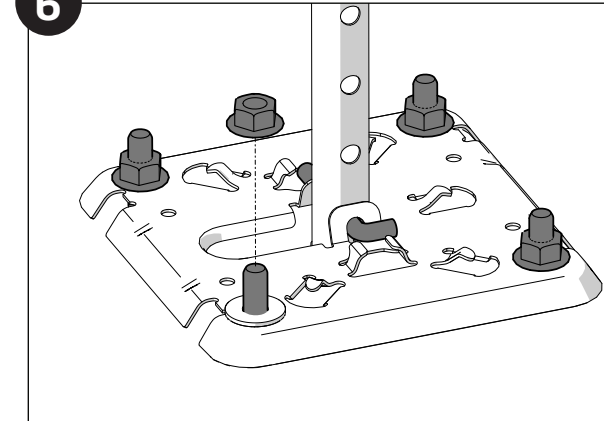


MIN 25 mm

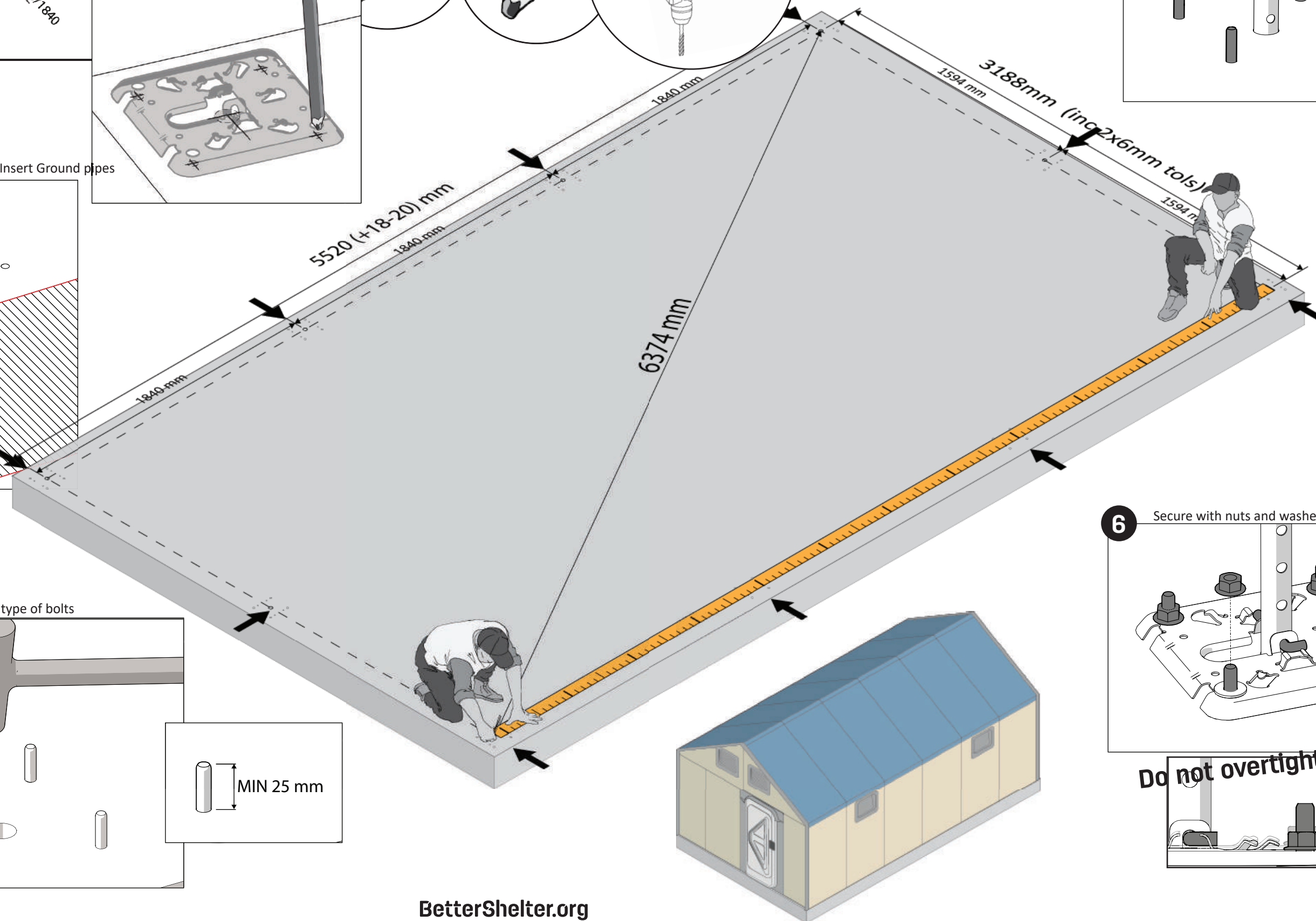
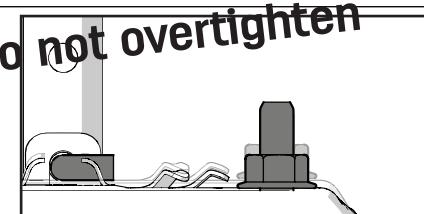
5 Place the 010 Ground plate - secure with bolt



6 Secure with nuts and washers



Do not overtighten





## 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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Garcia de Eulate**  
Technical Support Manager



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