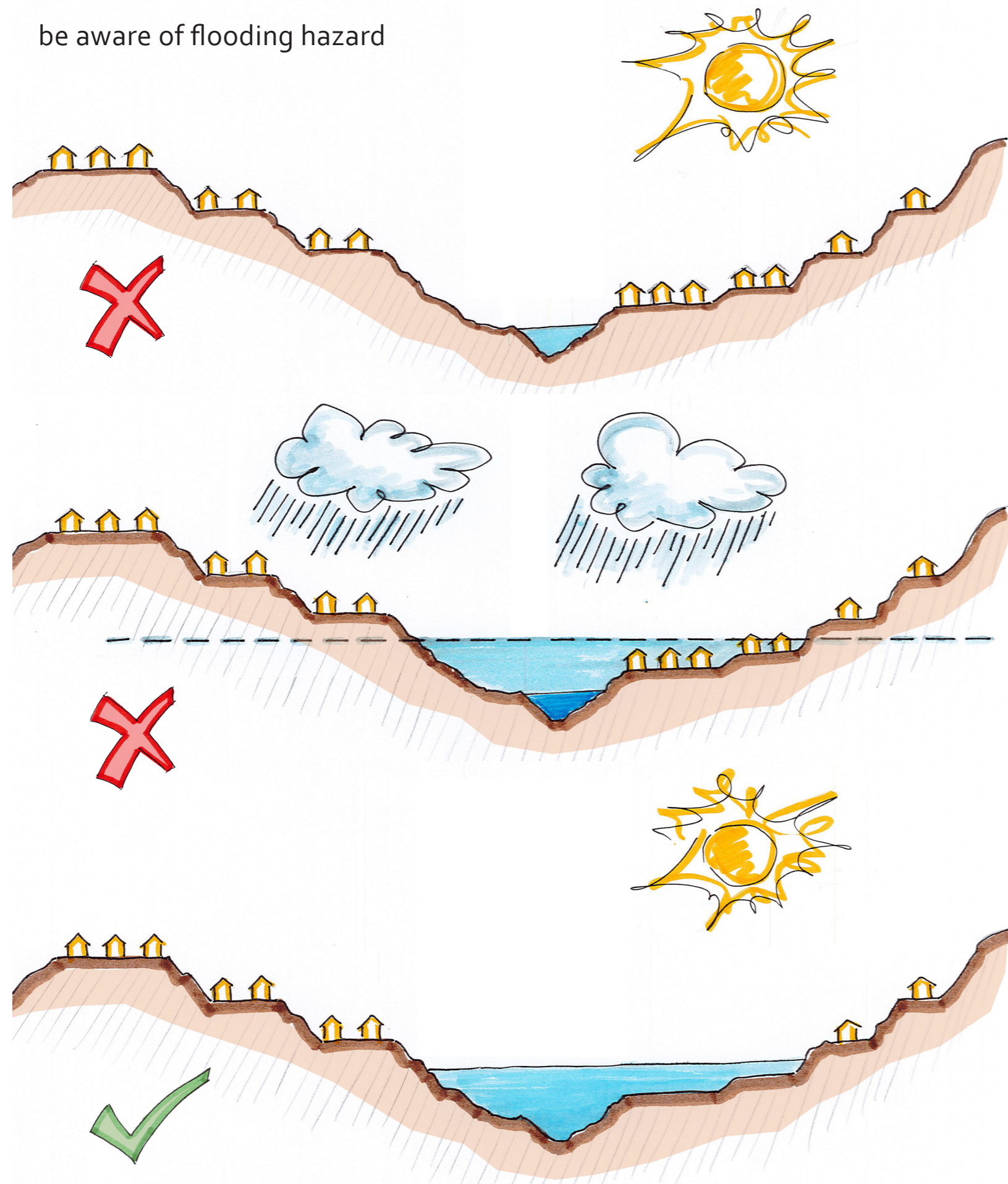# BASIC GUIDANCE ON SHELTER UPGRADING
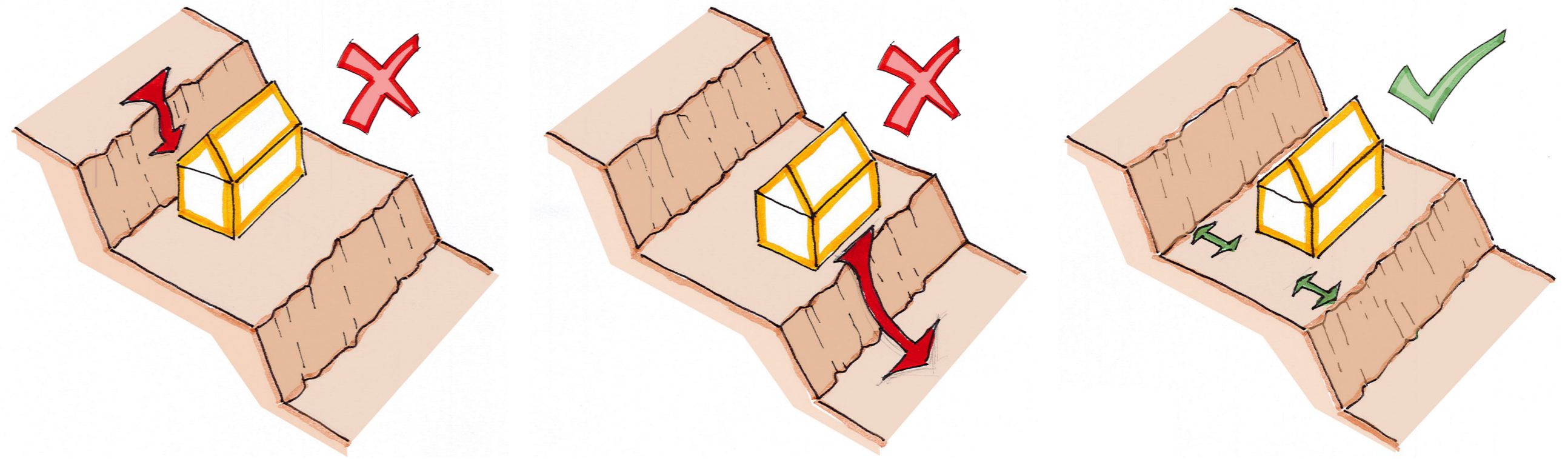
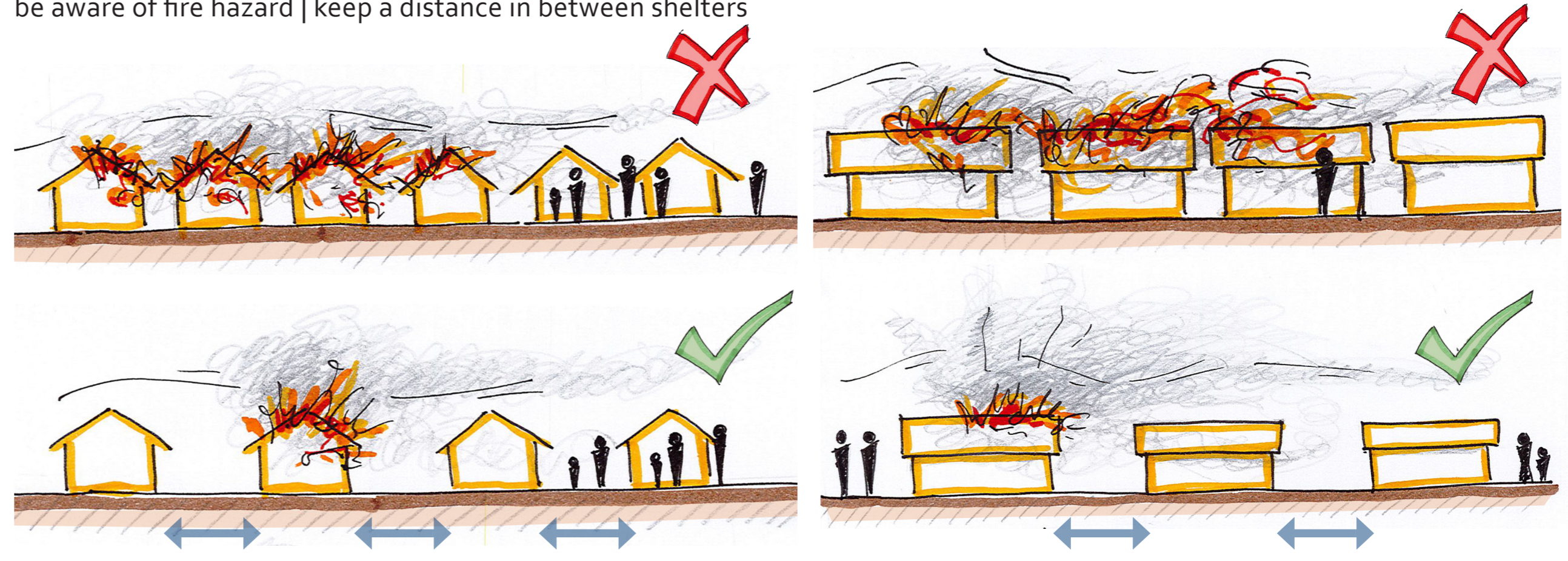## 01 — carefully select your plot and location of your shelter

be aware of flooding hazard

locate your shelter in the middle of the plot

be aware of fire hazard | keep a distance in between shelters
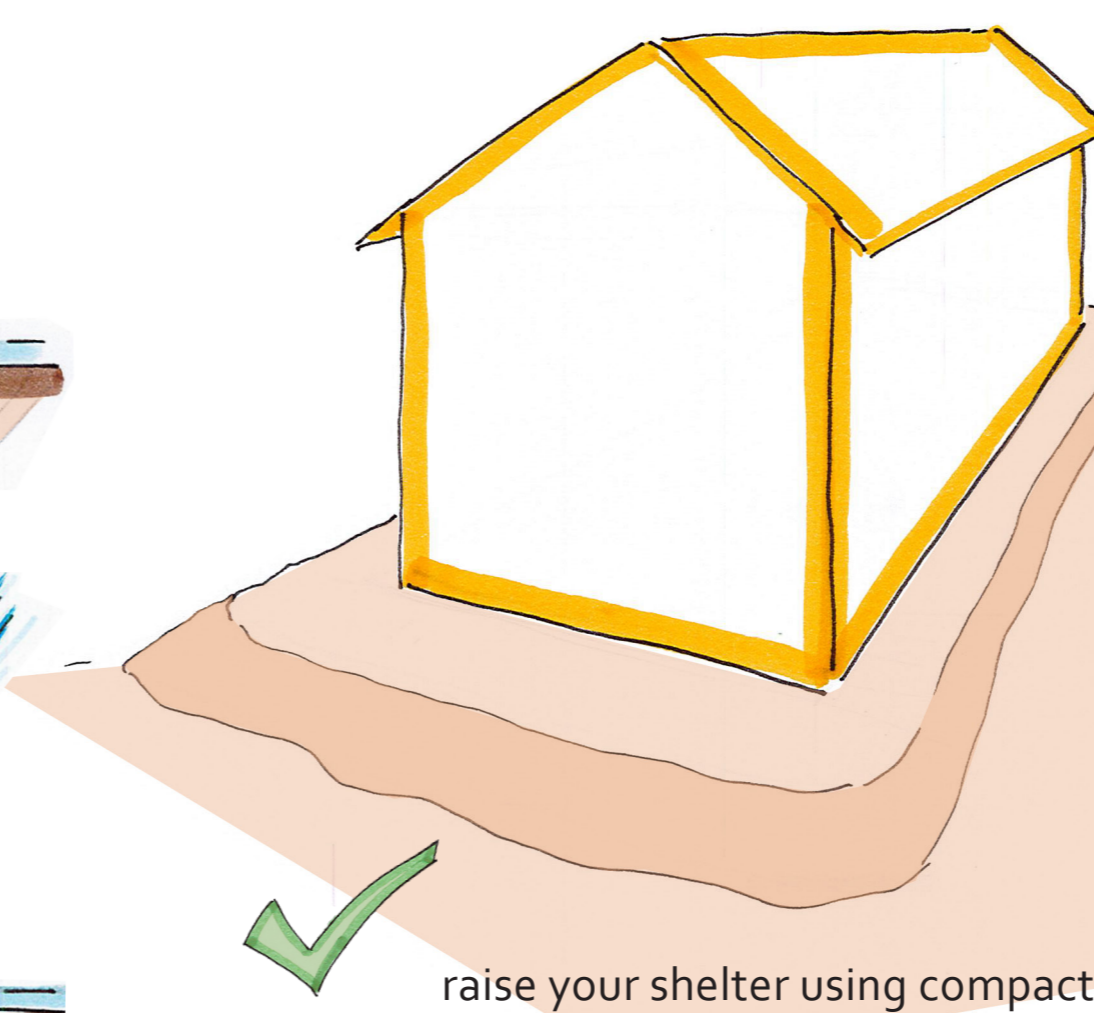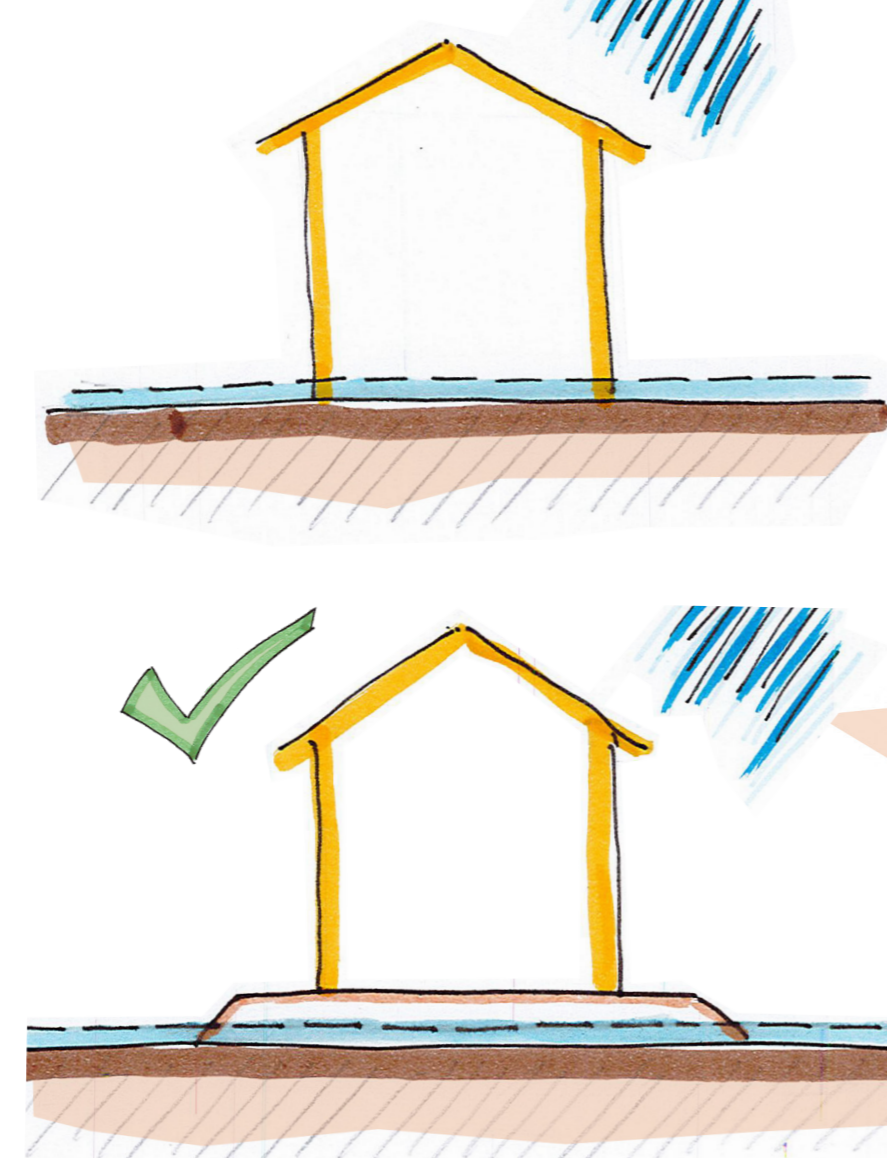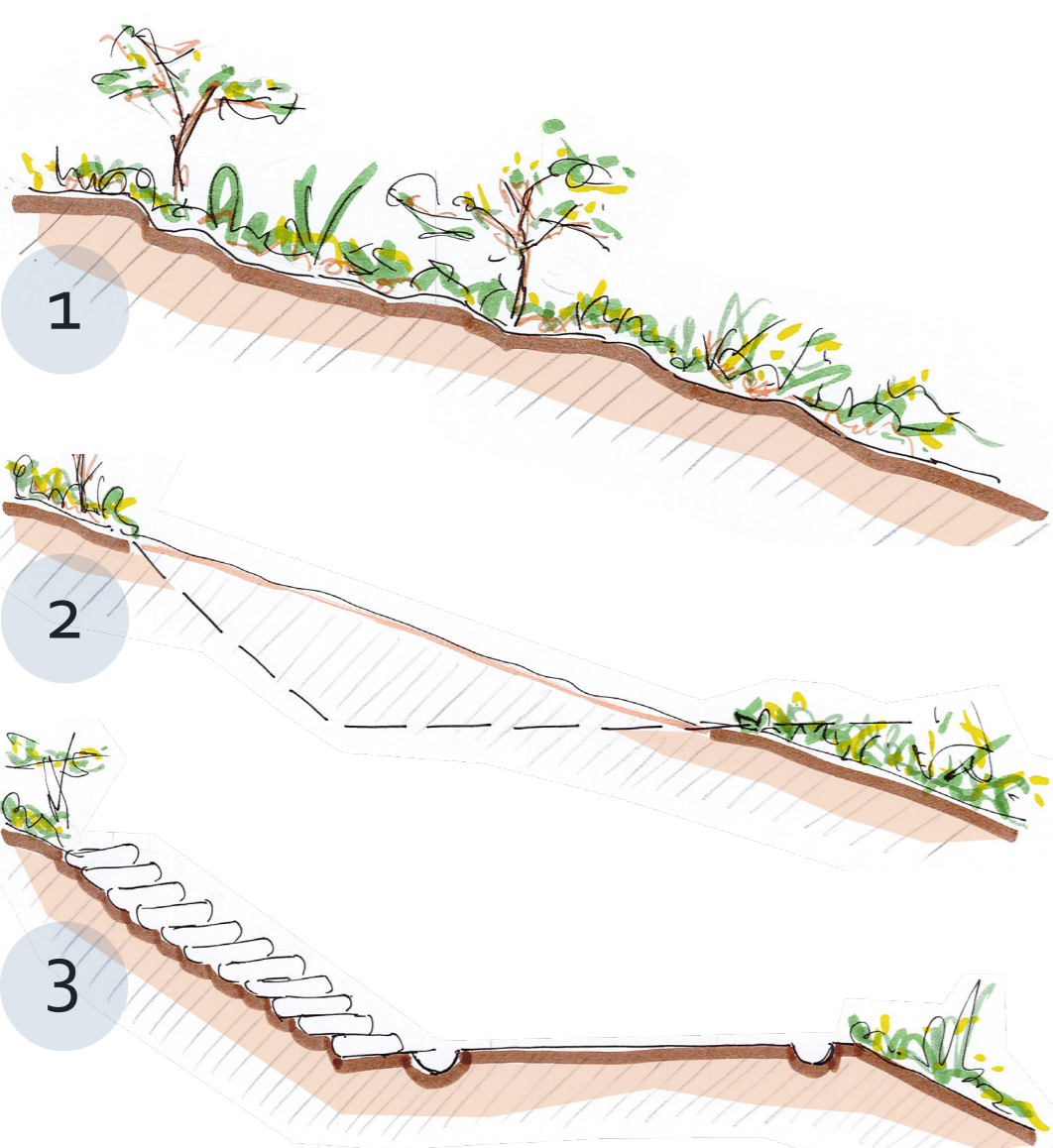

02 — prepare the plot to receive your shelter

terracing might be needed

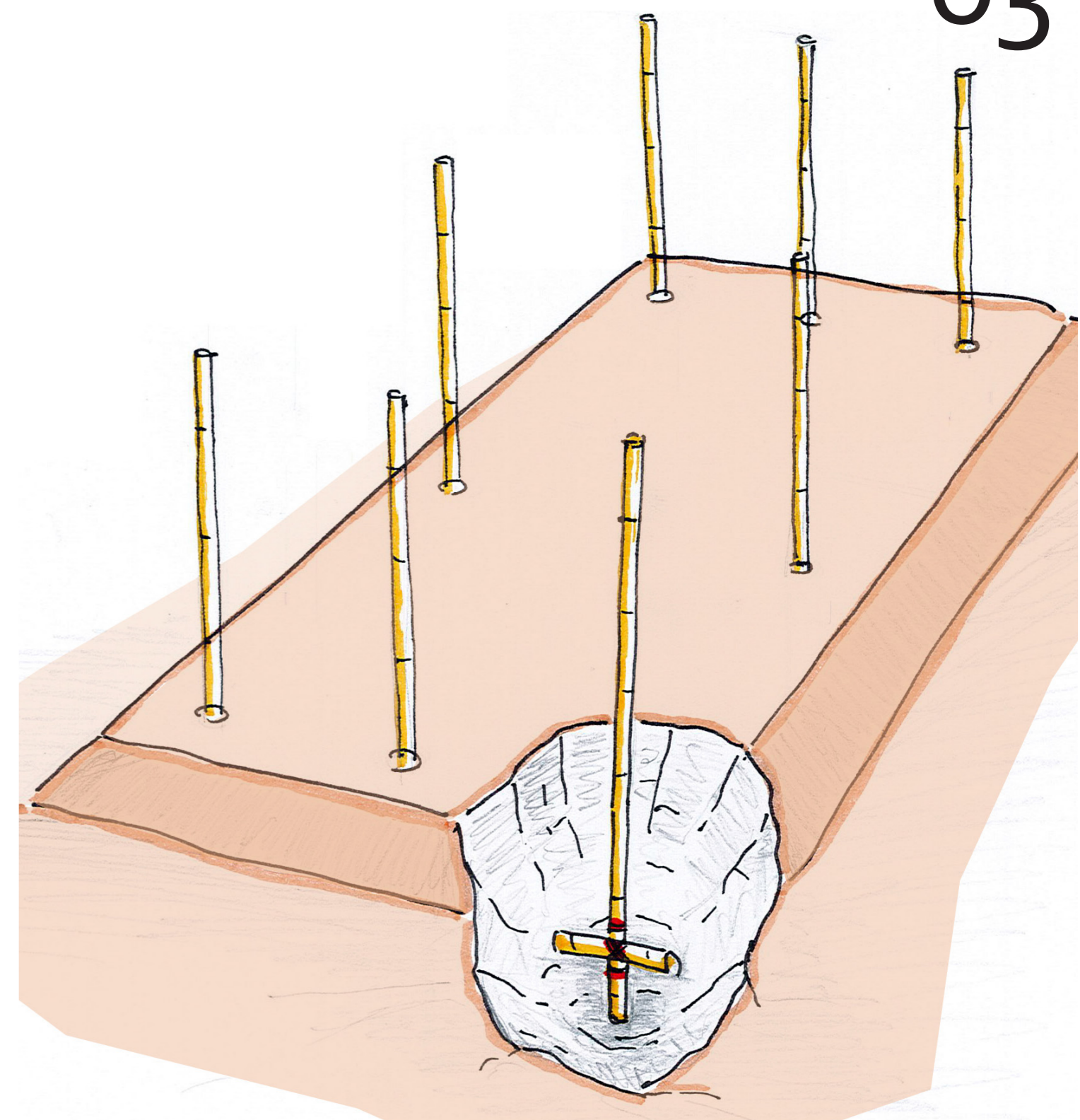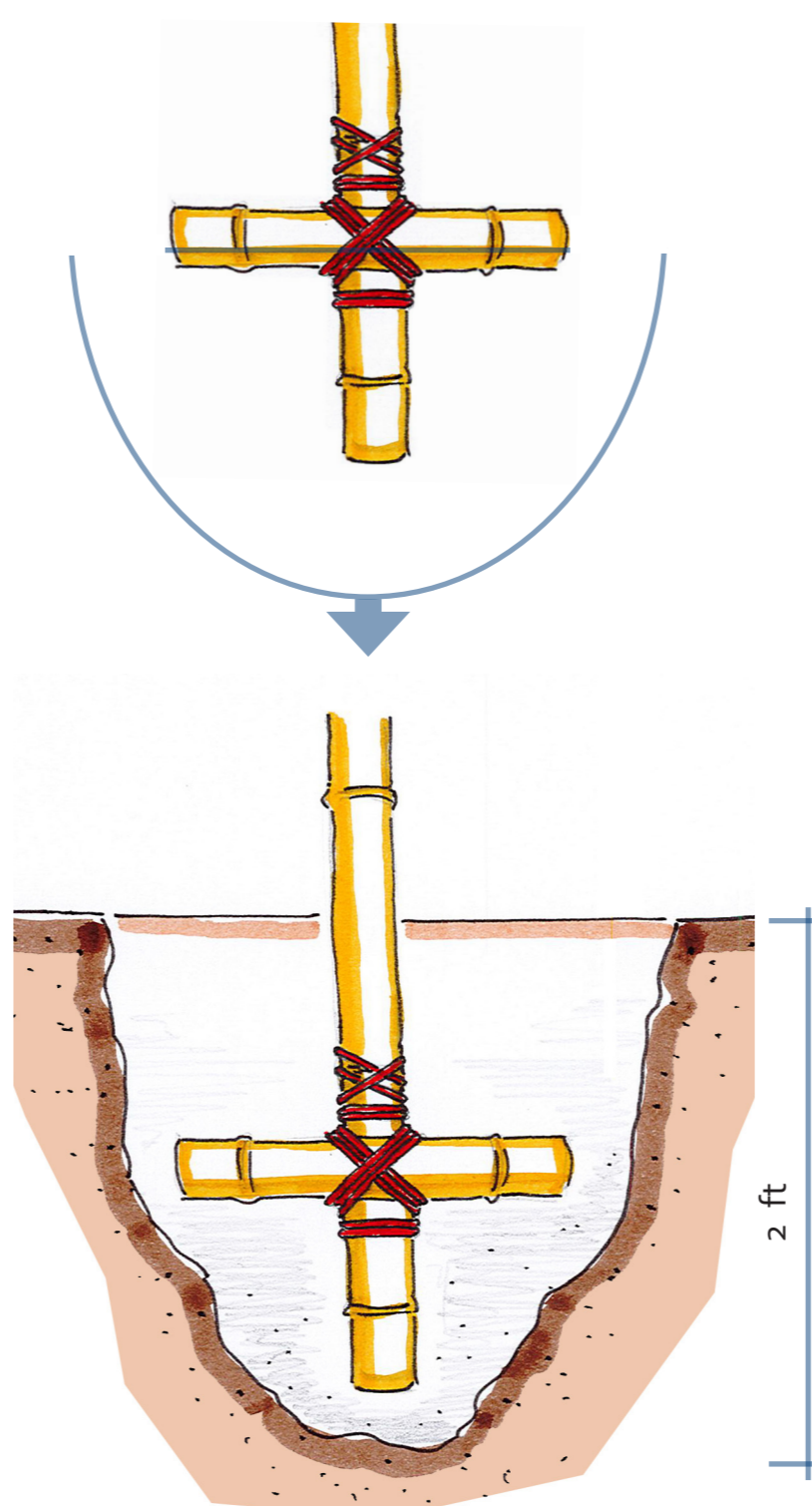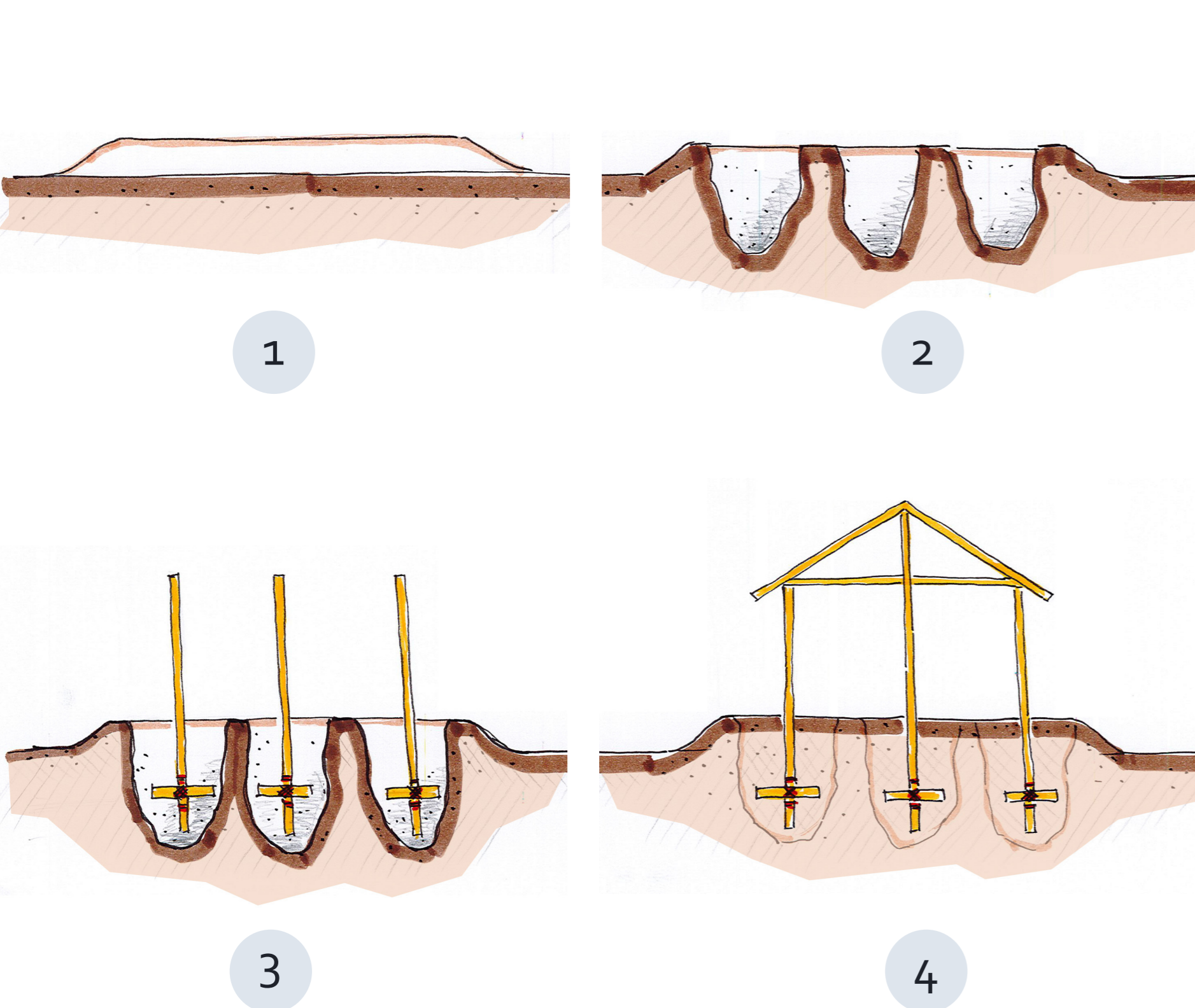raise your shelter to avoid rain water getting inside

raise your shelter using compacted soil

you may also use some sand bags

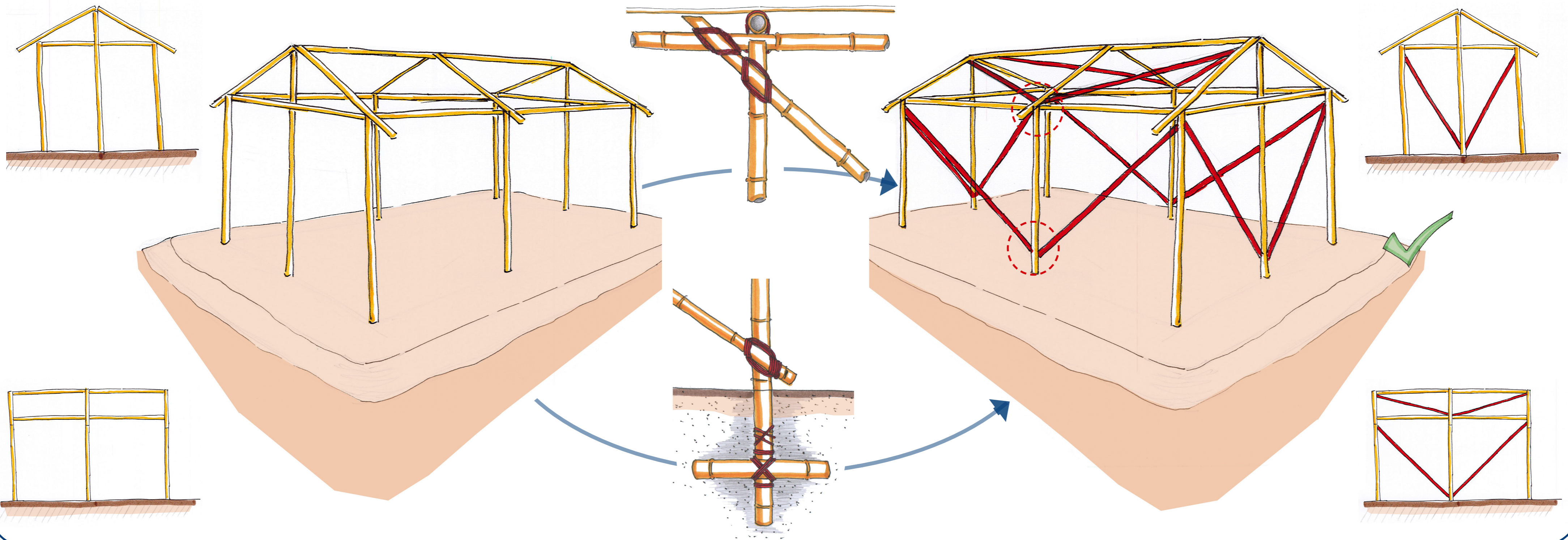## 03 — have a strong foundation when building your shelter

2 ft

Shelter/NFI Sector

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UKaid
from the British people

From
the People of Japan

Funded by
European Union
Humanitarian Aid

United Nations
CERF
Central
Emergency
Response
Fund

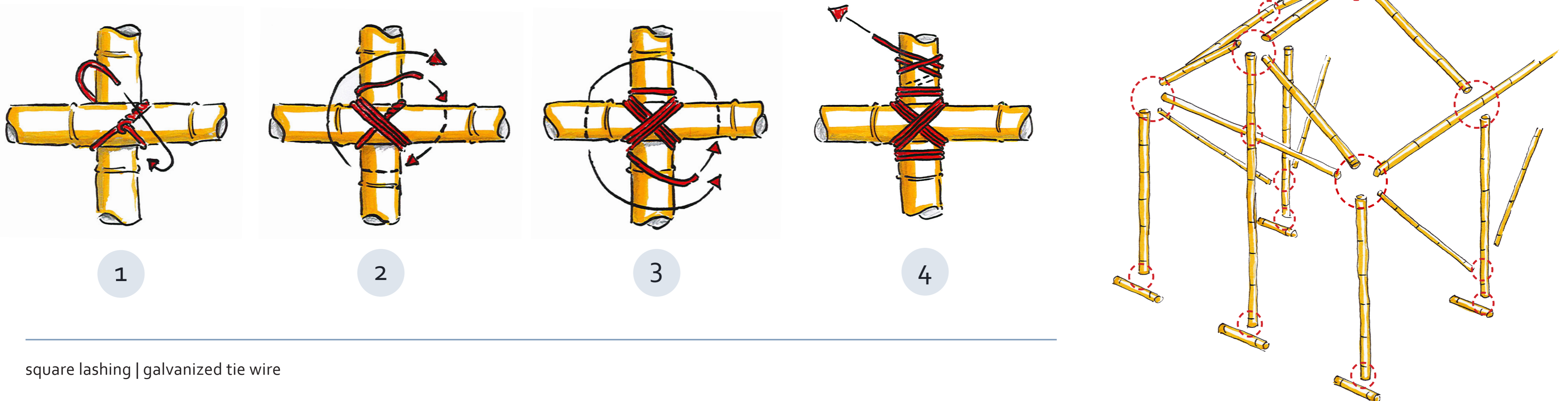## reinforce your shelter frame using diagonal bracing

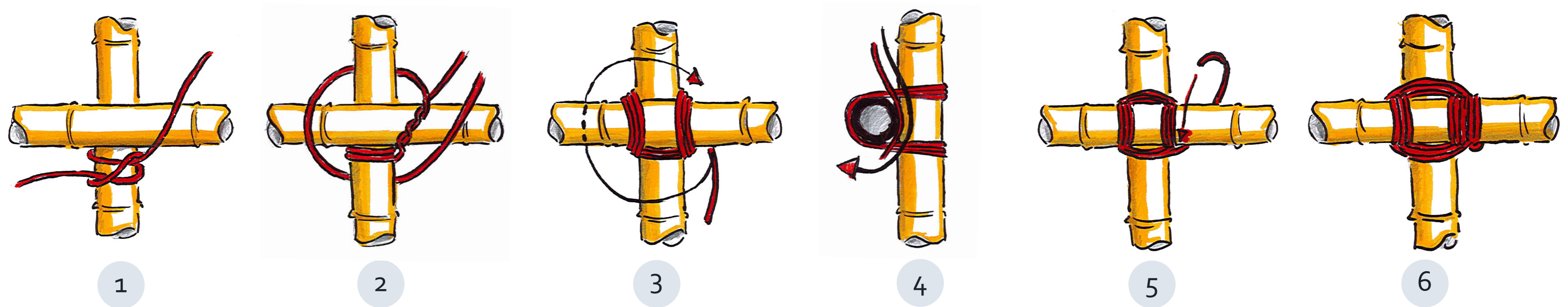## have strong ties and connections in your shelter

diagonal lashing | galvanized tie wire
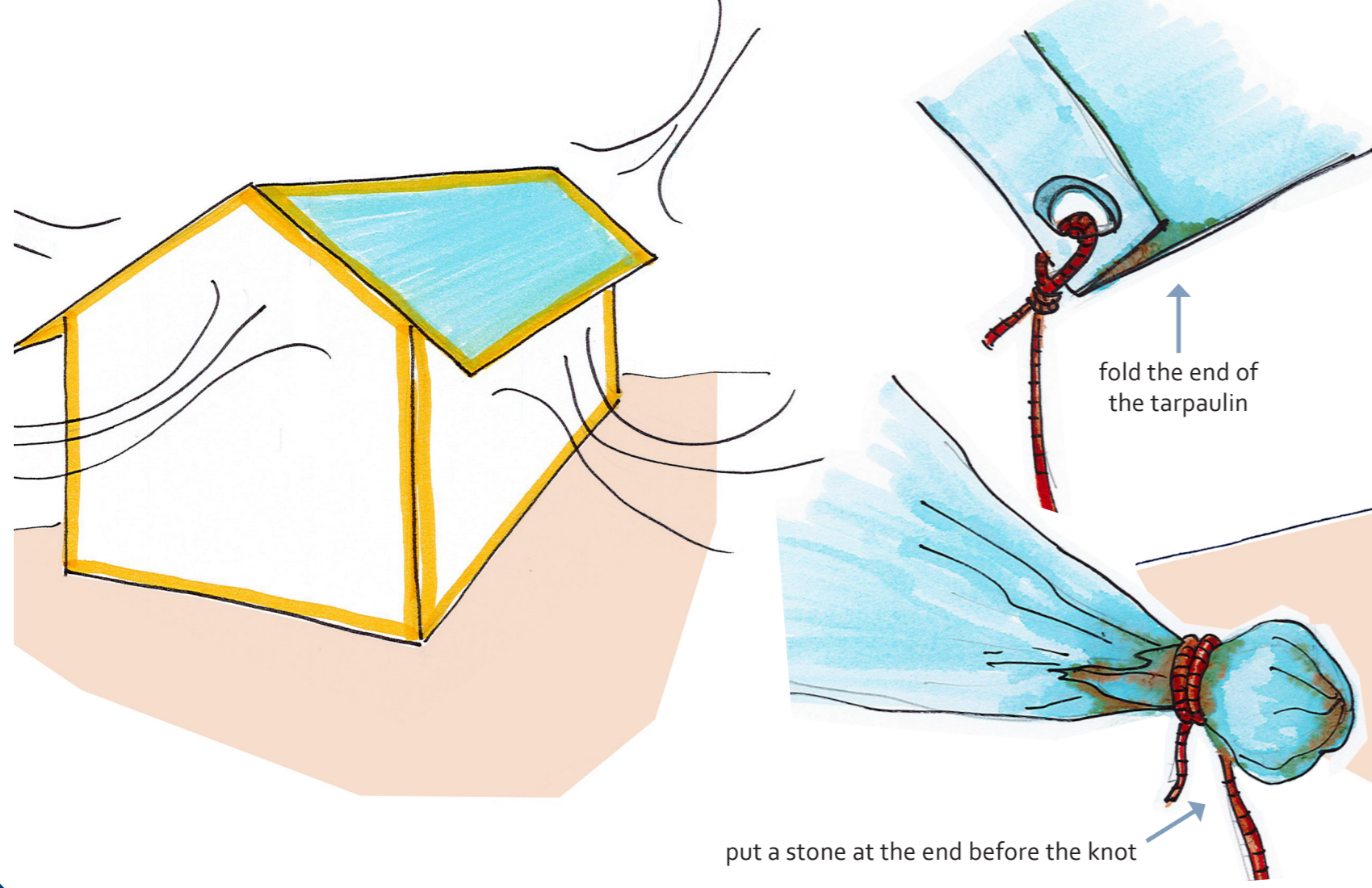

1   2   3   4

square lashing | galvanized tie wire

1   2   3   4   5   6

column / beam | galvanized tie wire

1   2   3   4   5   6

Shelter/NFI Sector   IOM • OIM   UKaid from the British people   From the People of Japan   Funded by European Union Humanitarian Aid   United Nations CERF | Central Emergency Response Fund
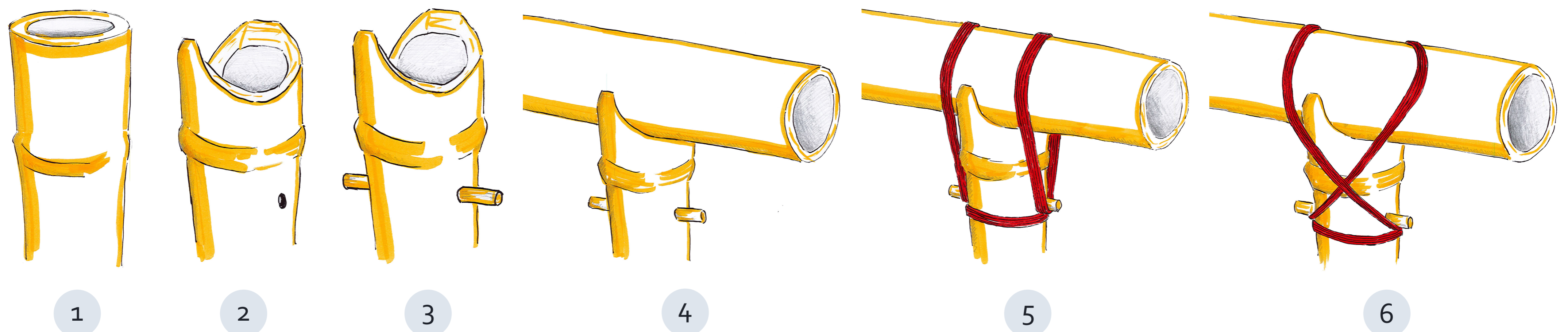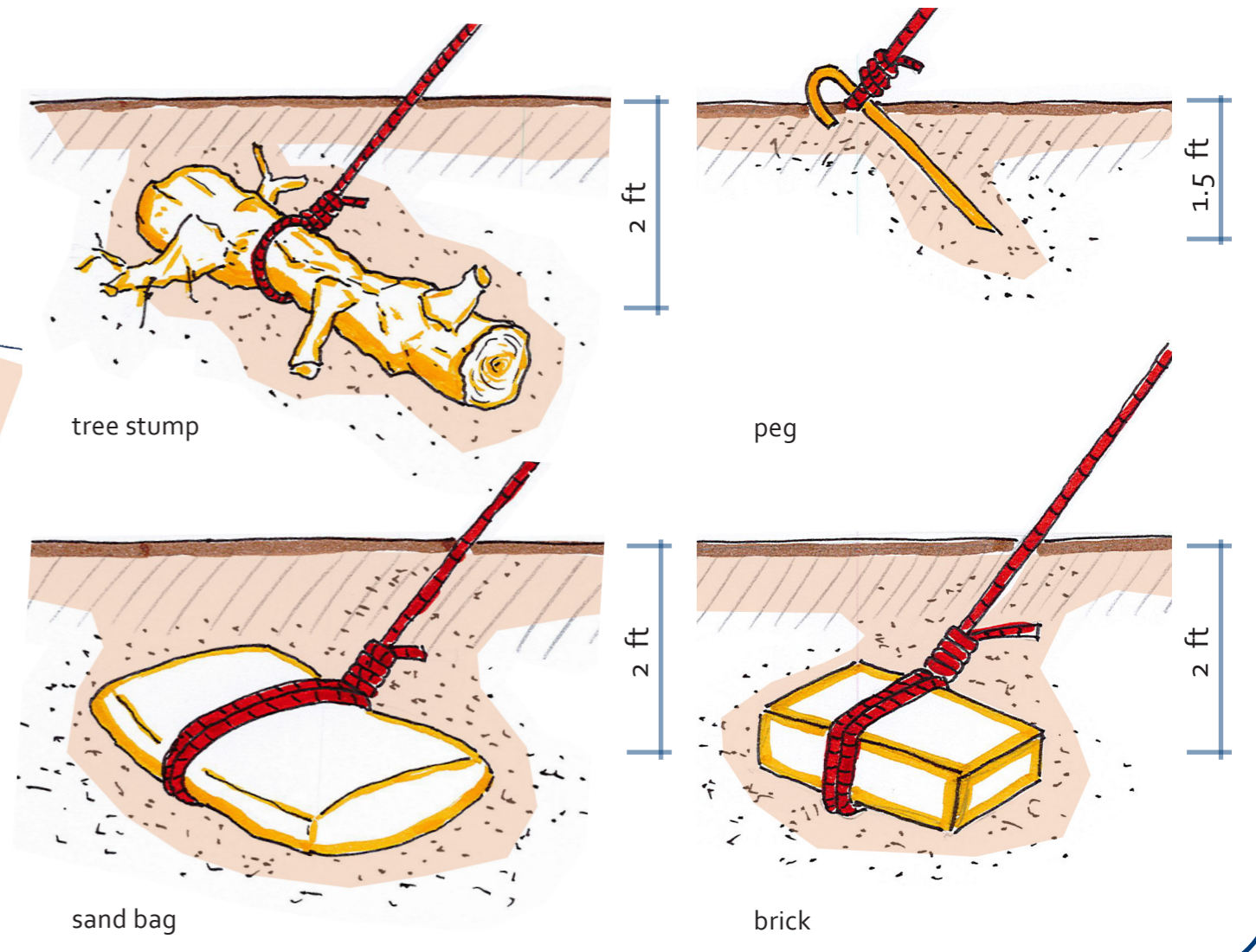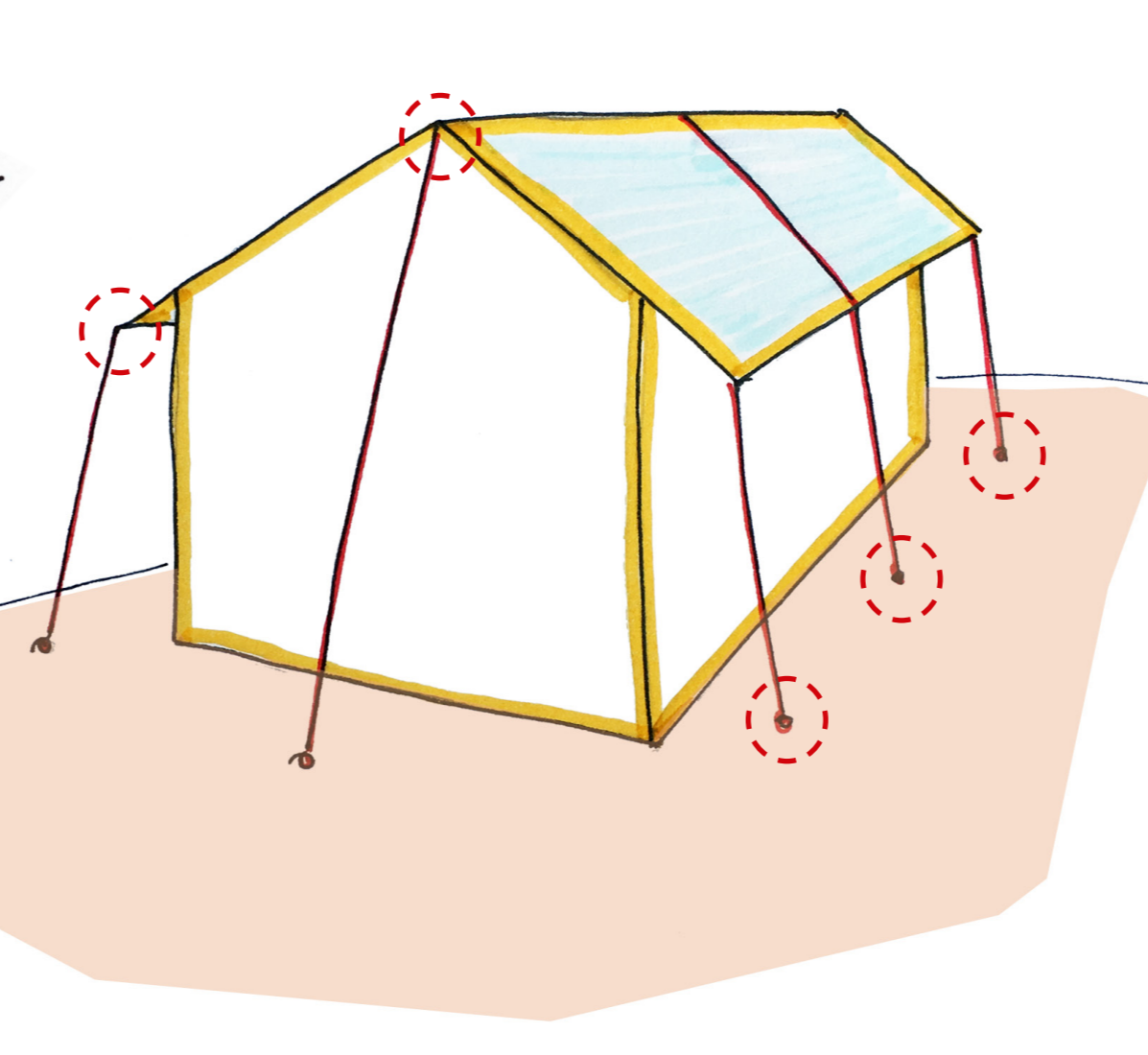
BASIC GUIDANCE ON SHELTER UPGRADING

06
secure your tarpaulin with ropes and anchor it to the ground

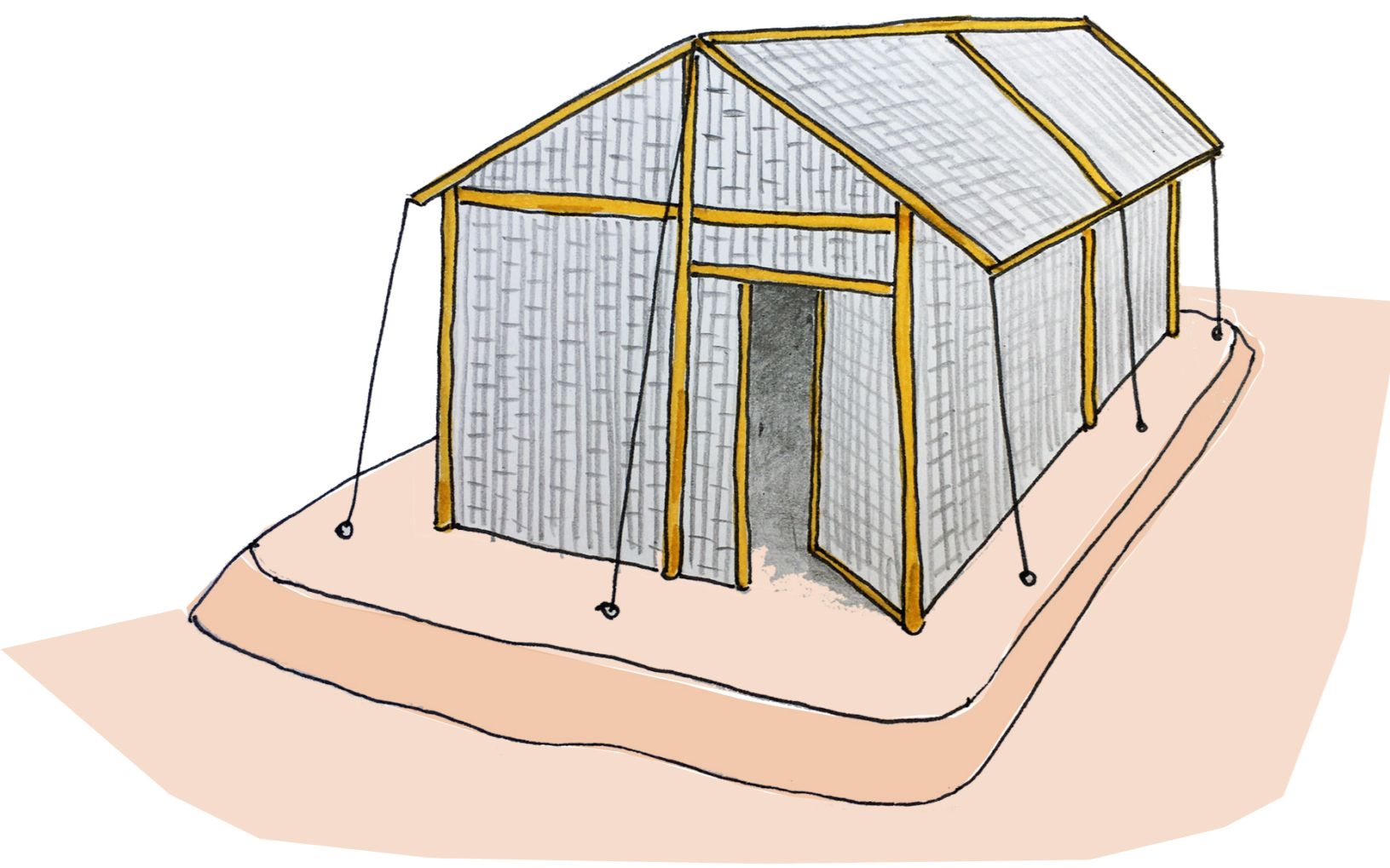secure the tarpaulin and the roof with rope

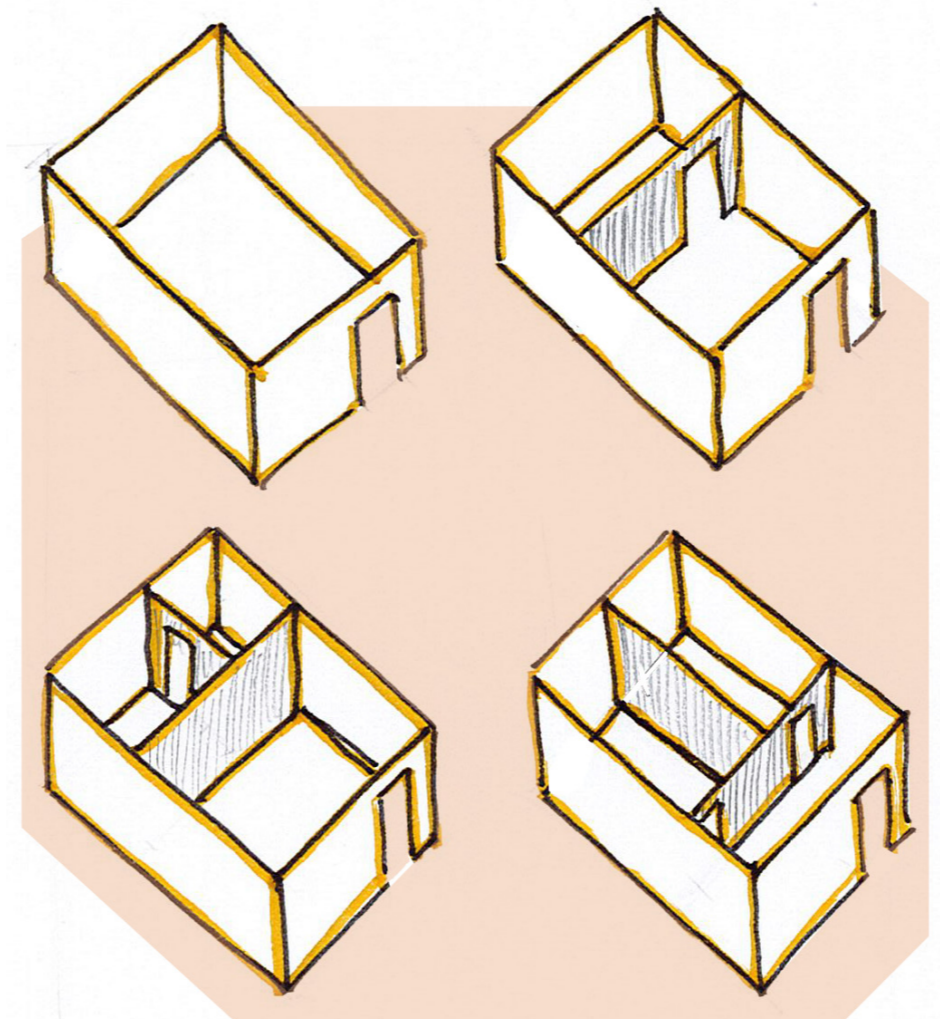anchor the shelter roof and tarpaulin using one or several types of anchors suitable for it

fold the end of the tarpaulin

put a stone at the end before the knot

2 ft — tree stump

1.5 ft — peg

2 ft — sand bag

2 ft — brick

07
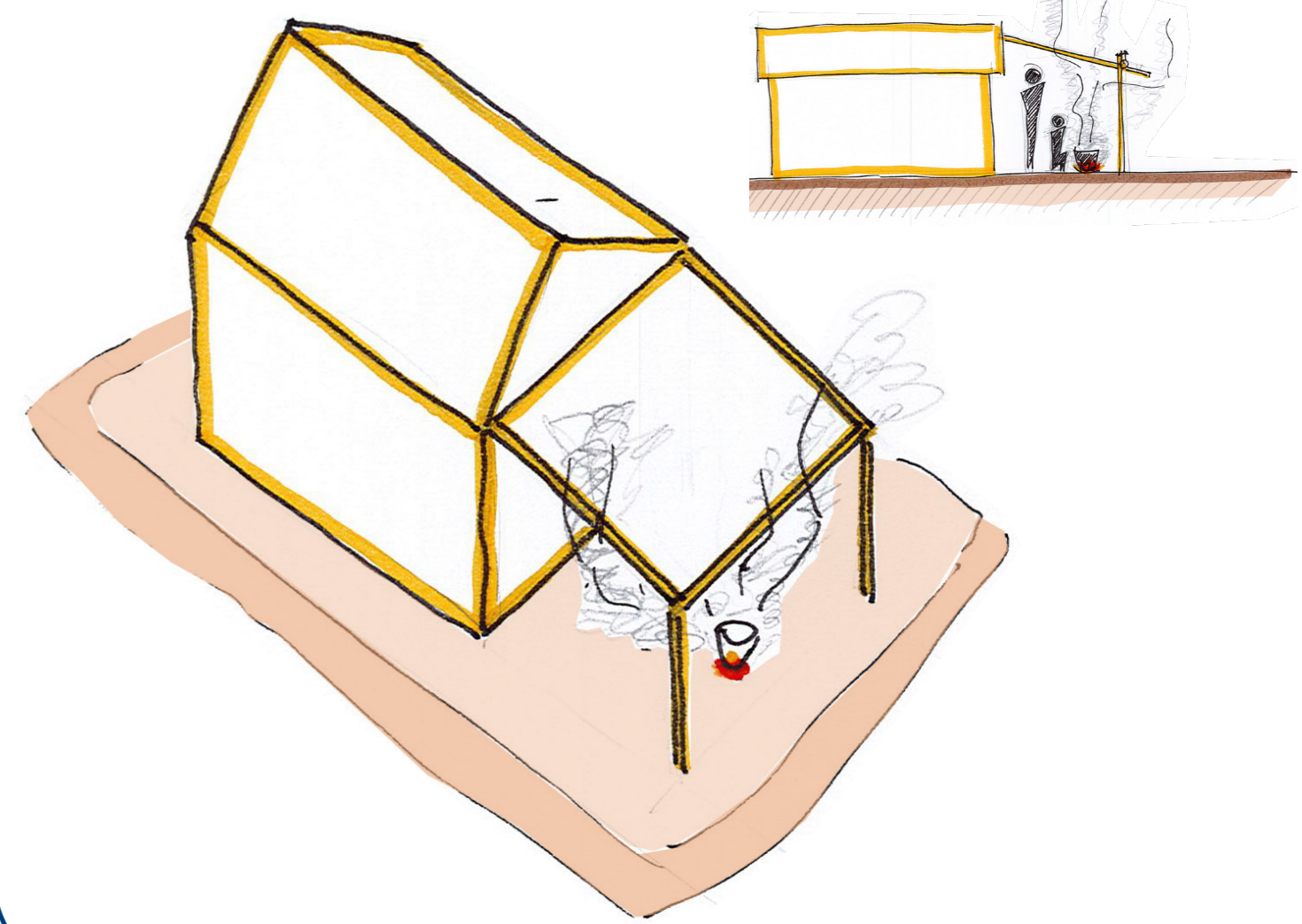### improve the walls and roof of your shelter
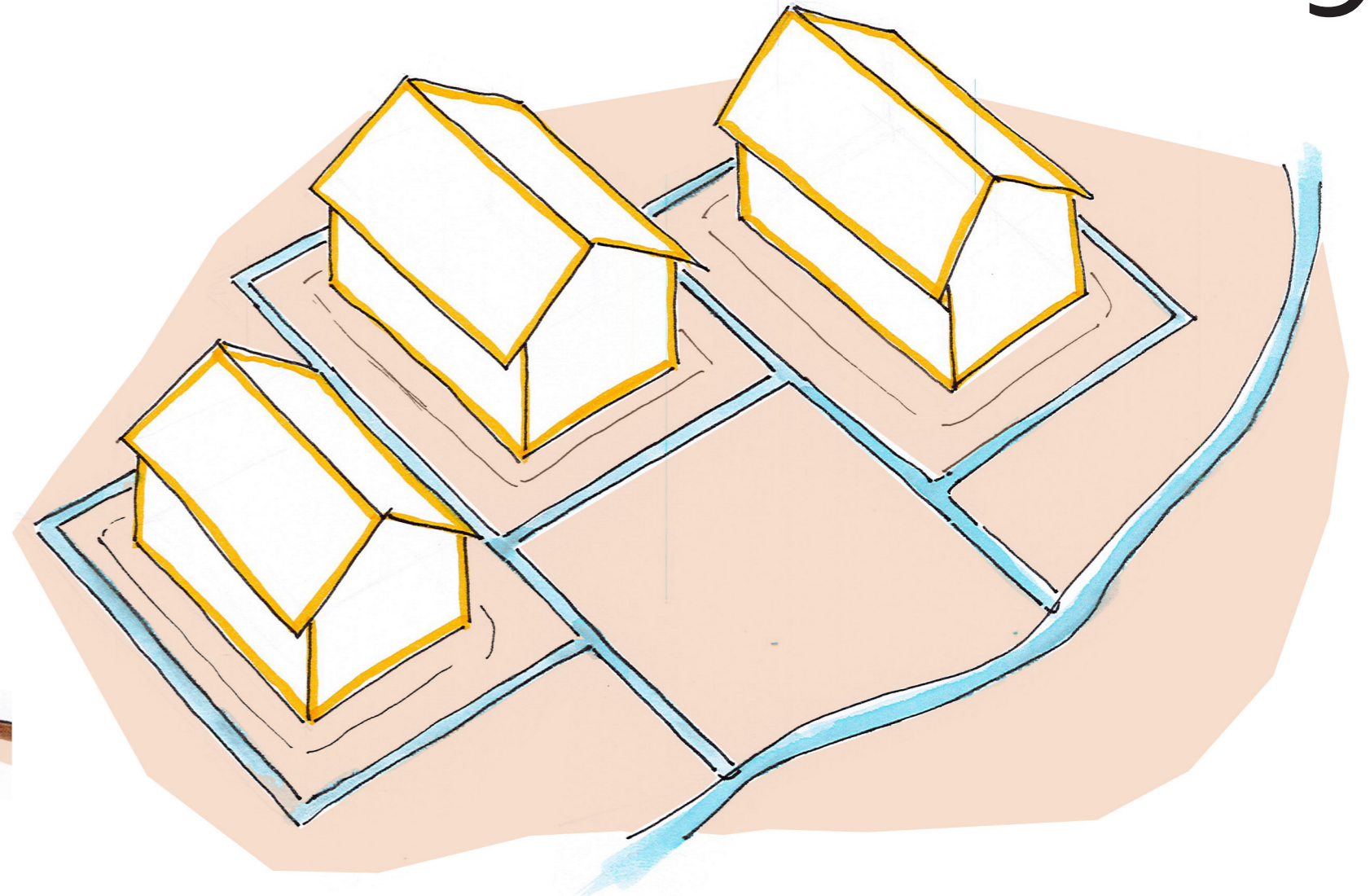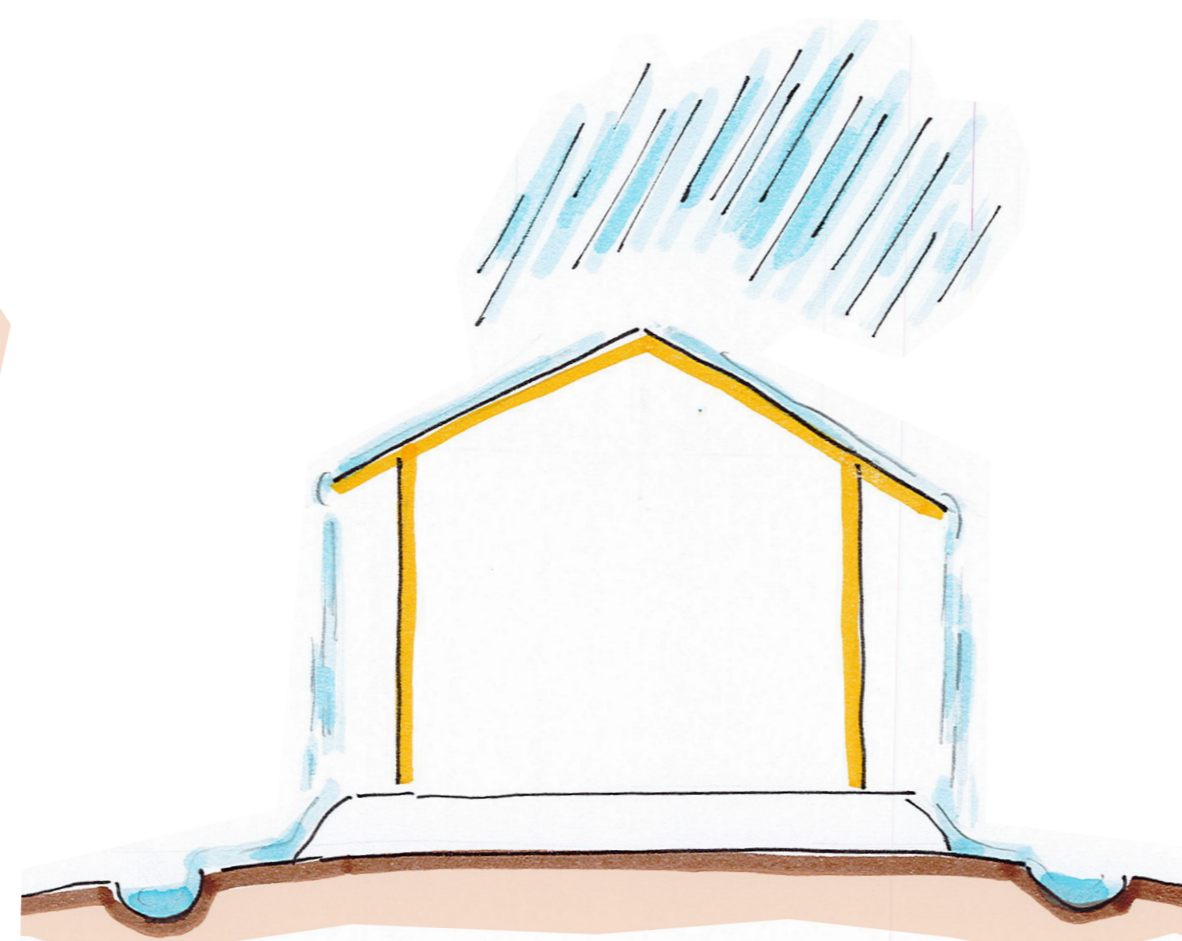
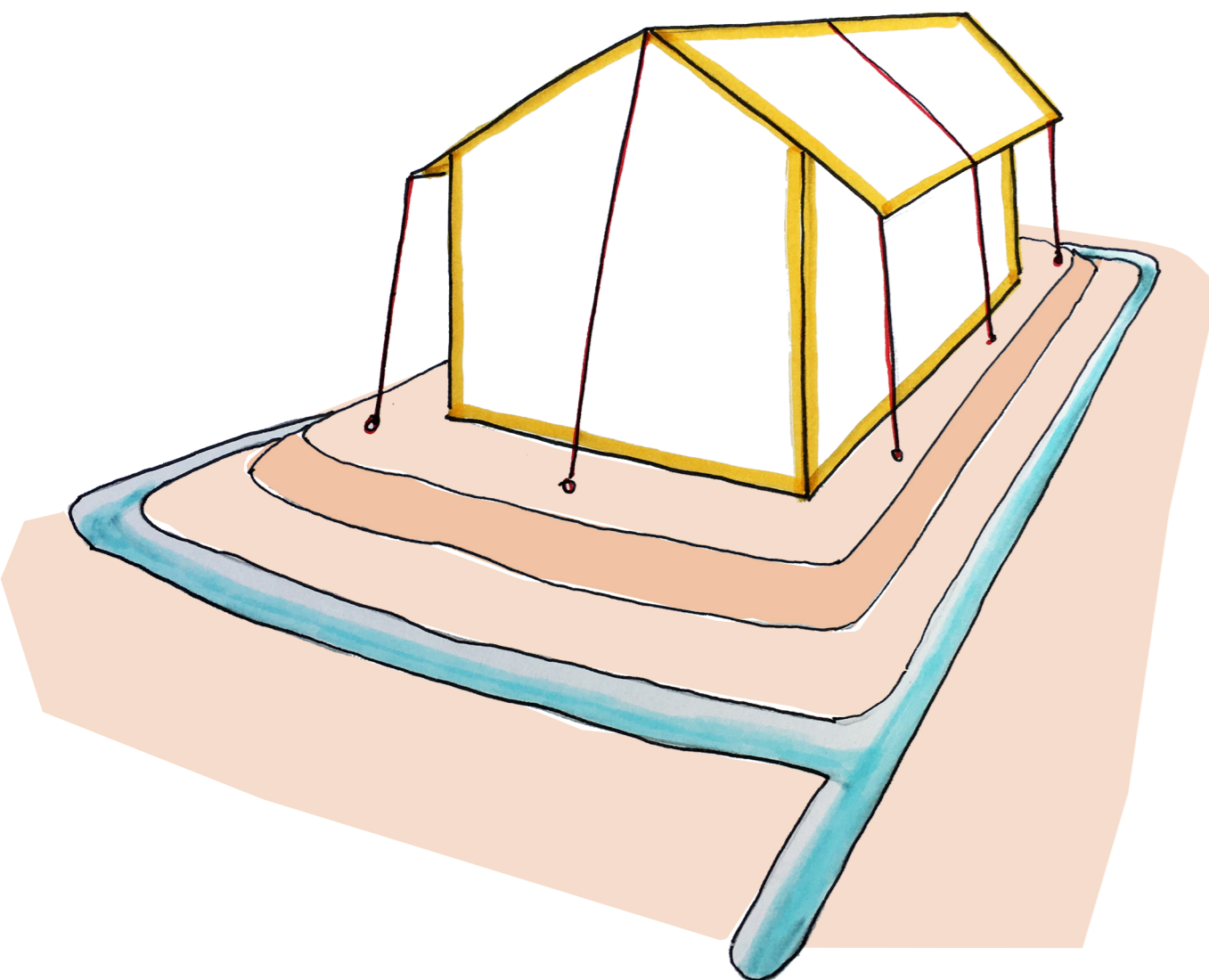use bamboo weaving in walls and roof

create partitions for privacy

08
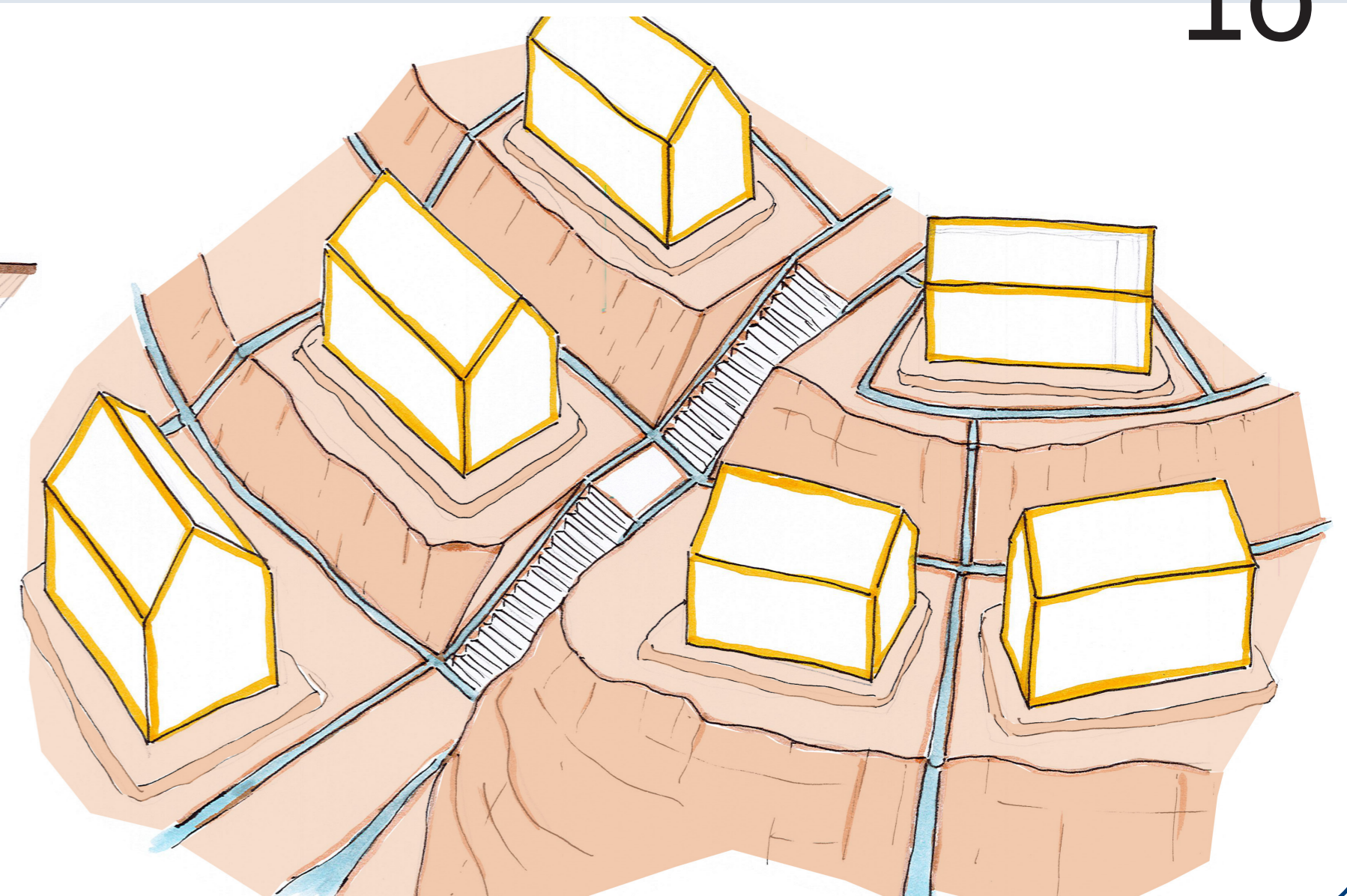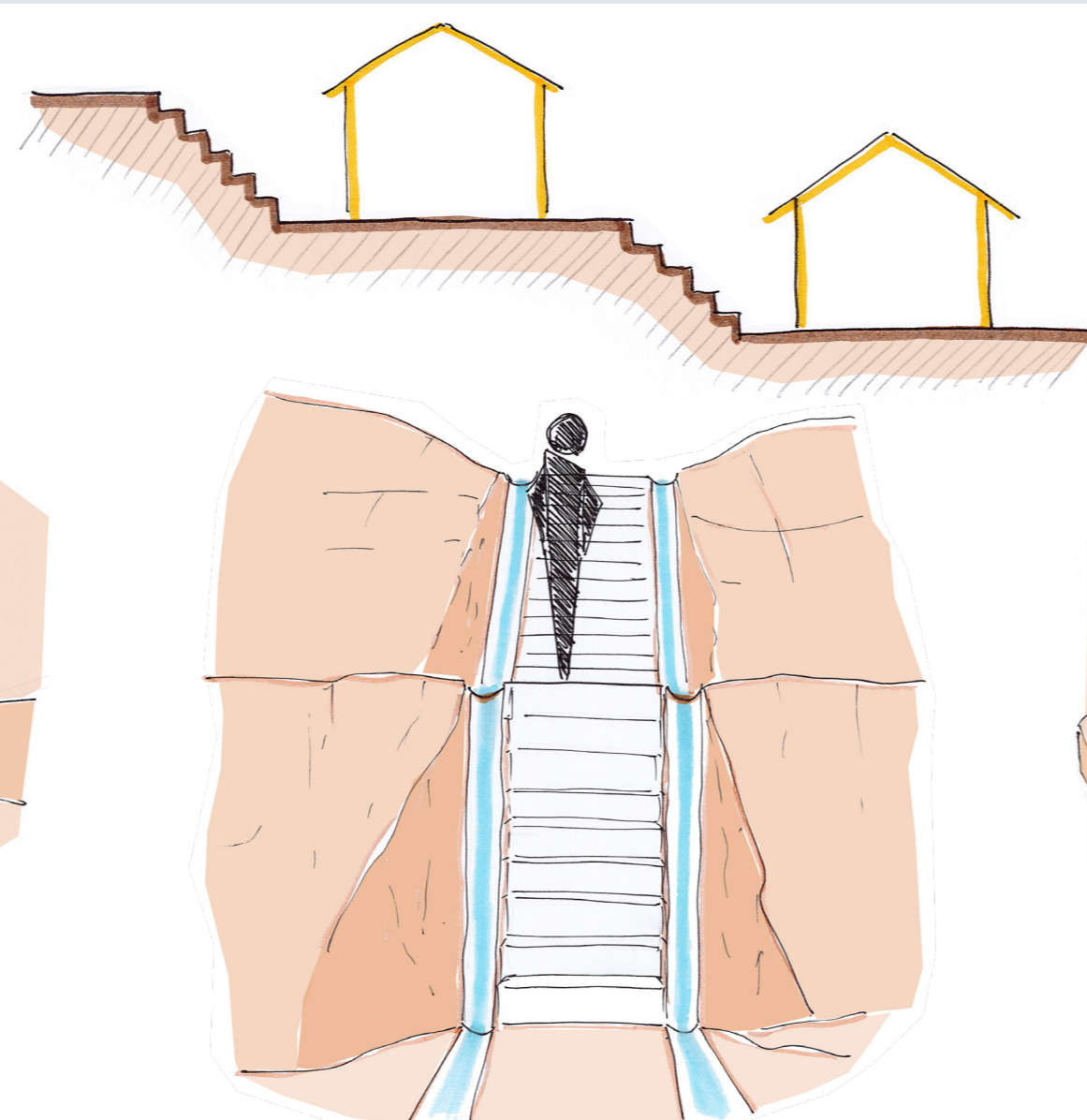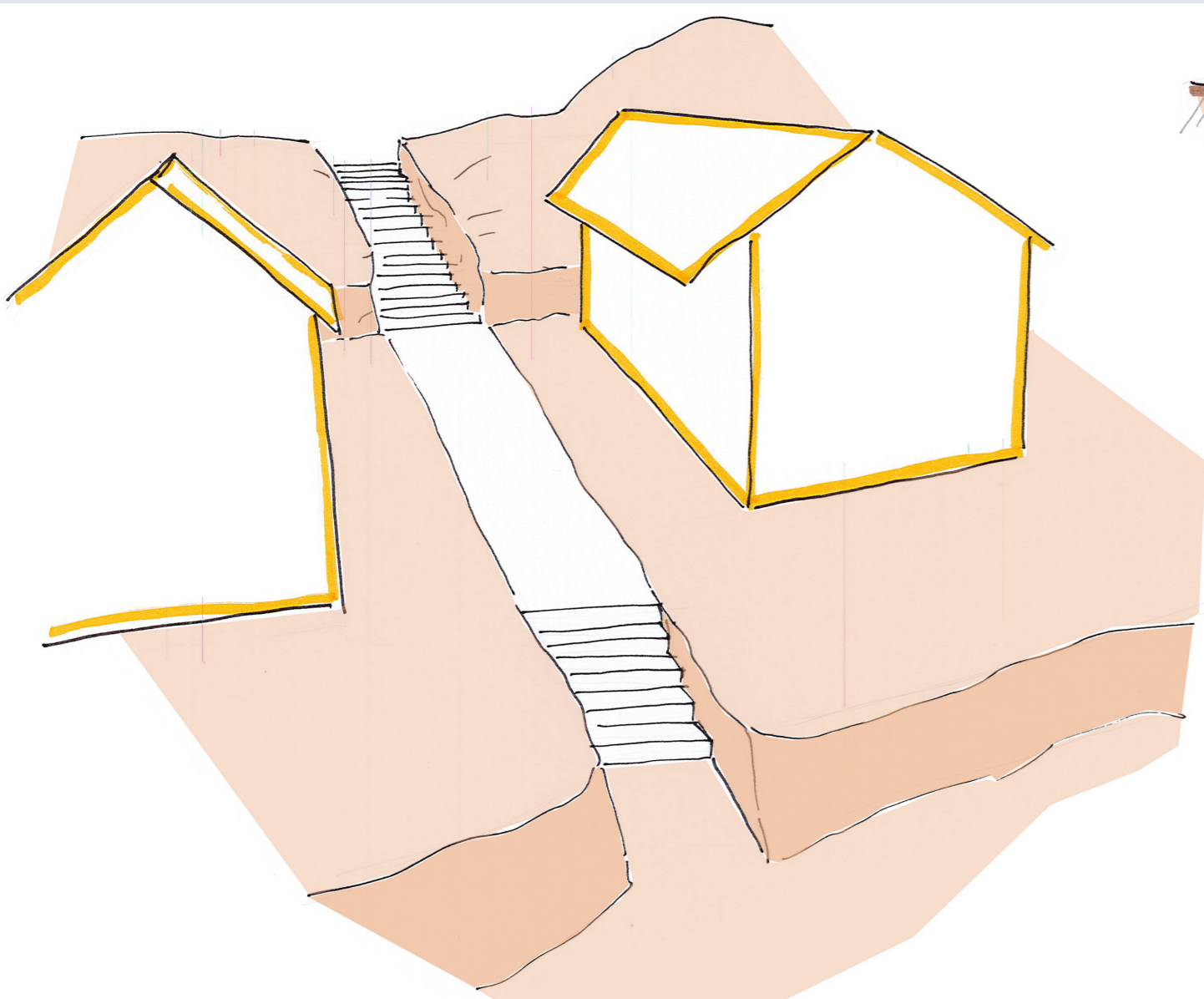### create an expansion area for cooking

09
create drainage around your shelter | connect it to your neighbours and to the main drainage

10
create stairs to assist in hill climbing and channel drainage

Shelter/NFI Sector

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Funded by European Union Humanitarian Aid

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