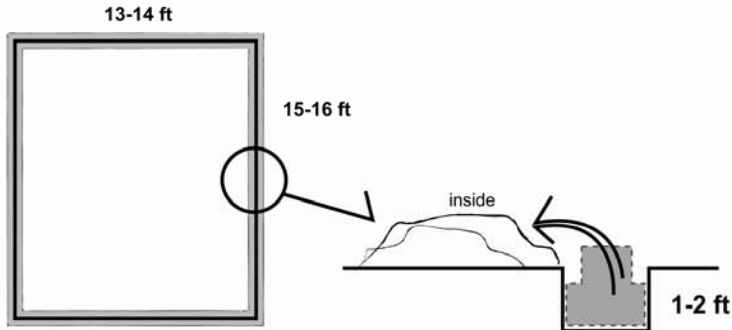
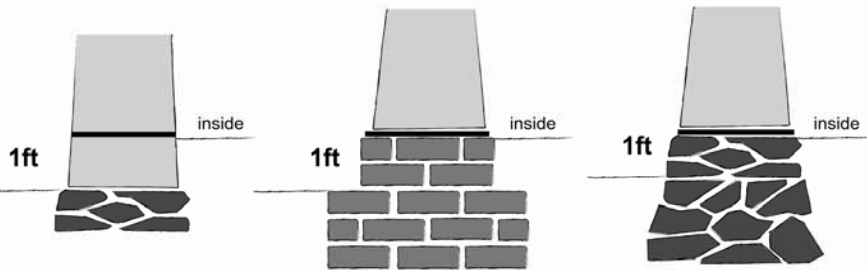


EXCAVATION



STABLE FOOTING

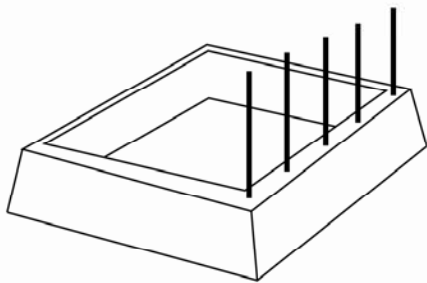


Use well packed stone work as foundation where available.

Use fired brick with cement mortar where available. Plinth should come up to 1ft above ground

Use well packed stone work as foundation with 1ft plinth above ground where available.

VERTICAL REINFORCEMENT



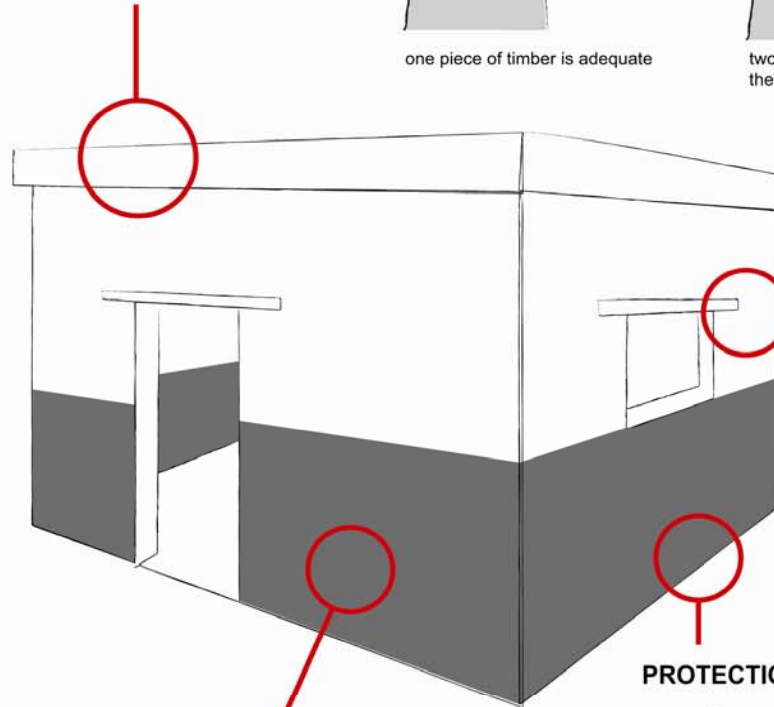
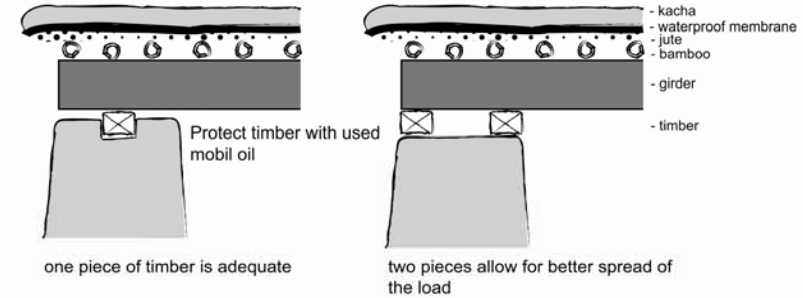
Adding vertical poles - bamboo or timber - add strength and stability to the kacha wall

ROOF SUPPORT

Do not place girders over openings in the wall. Ensure that load of the girder is spread out by adding a piece of timber 2-3ft long underneath.

Waterproof membrane help protects the roof.

A small slope is required to drain water away.

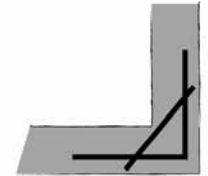


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lintles should be at least 1ft wider than the opening on both sides

CORNER REINFORCEMENT

Use bamboo or timber to provide reinforcement to the corners. Repeat every 3-4 ft of walls built.



WATERPROOFING

Apply Damp Proof Course (DPC) 1 ft above ground or above plinth to protect wall from rising ground water.

Plaster the walls inside and outside for 3ft above ground



5% cement
1 bag of cement for 4 walls - inside and out.

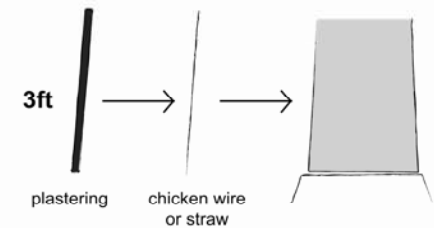


10% lime



Bitumen plaster, stabilising kacha with straw can also be used.

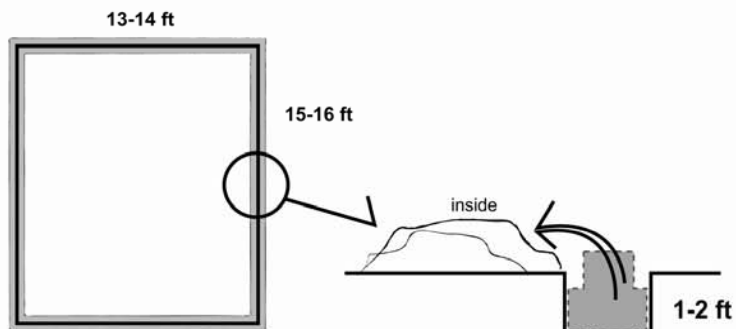
PROTECTION AT GROUND LEVEL



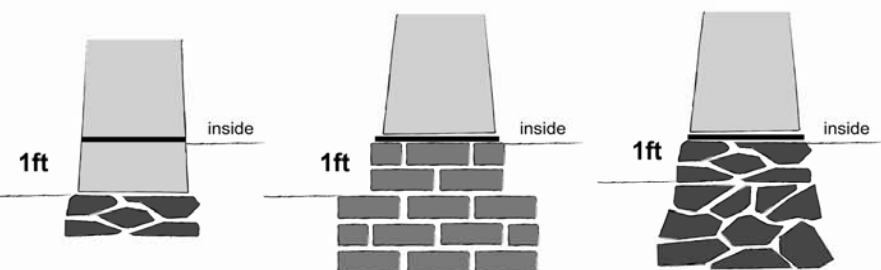
Increase bonding with chicken wire or jute before covering with waterproof kacha plaster

This can also be applied to completed shelters.

EXCAVATION



STABLE FOOTING

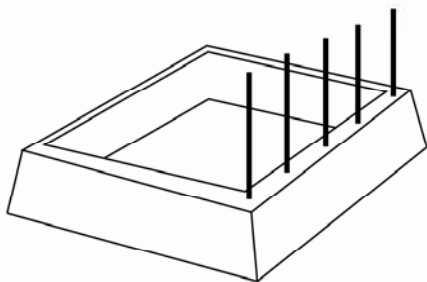


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VERTICAL REINFORCEMENT



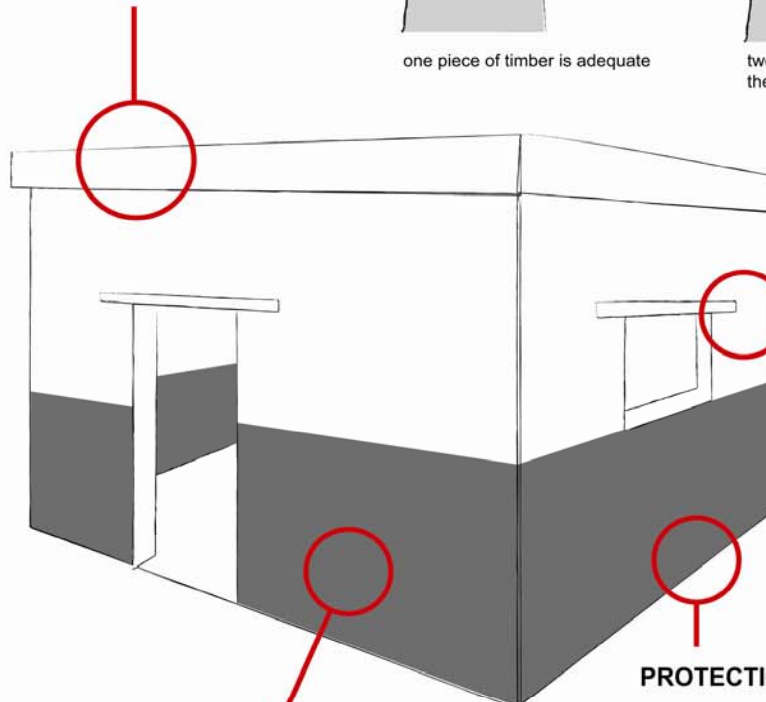
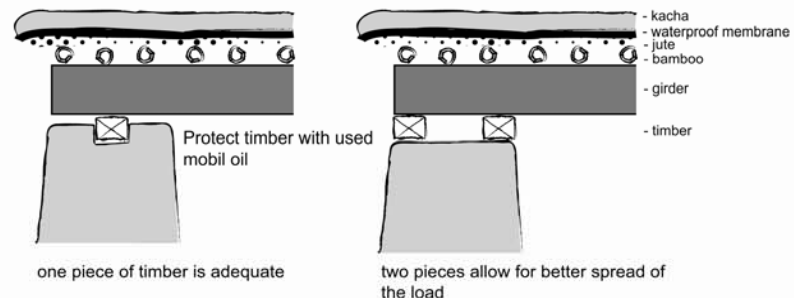
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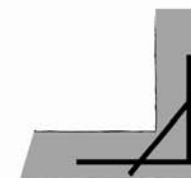


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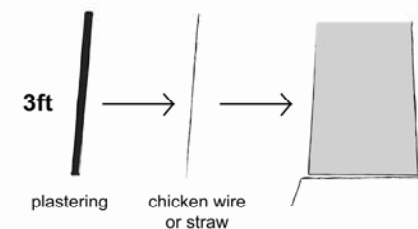


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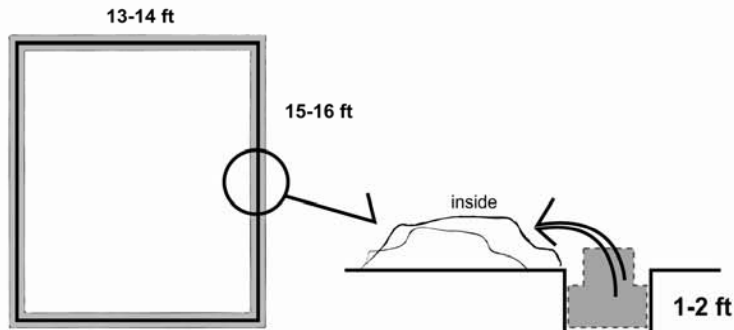
PROTECTION AT GOUND LEVEL



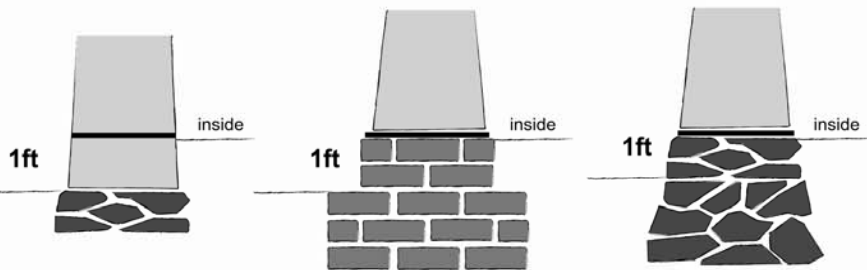
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EXCAVATION



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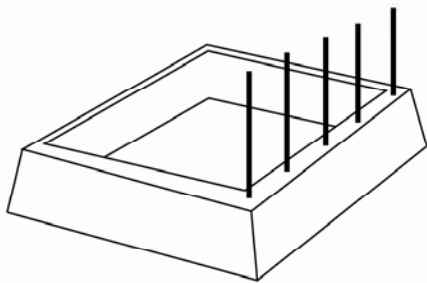


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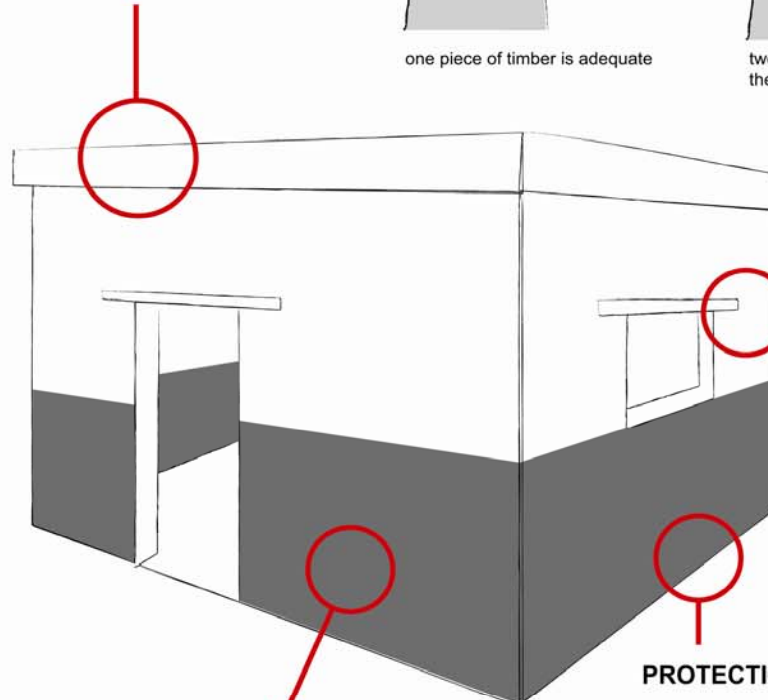
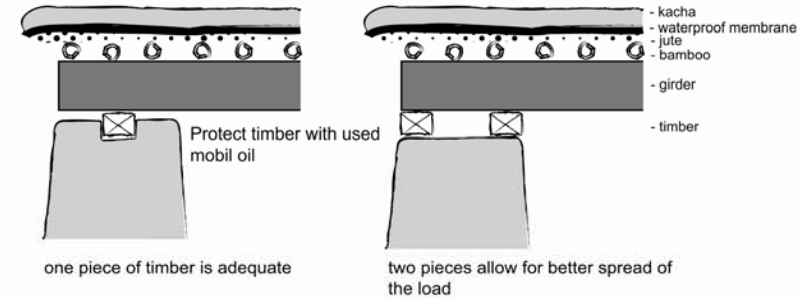
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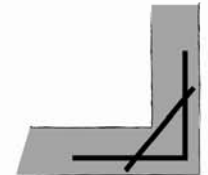


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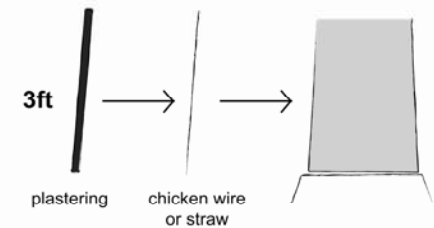


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