

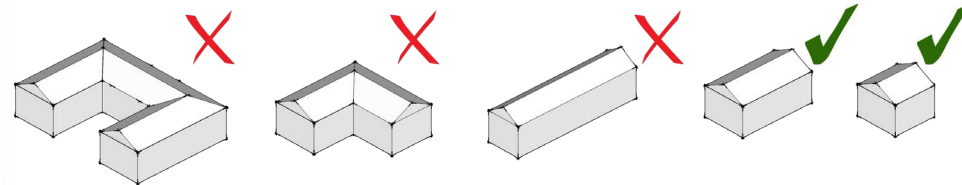


#8 : BUILD A STRONG SHAPE

The shape of your house and the design and construction of you walls are important for a stronger house

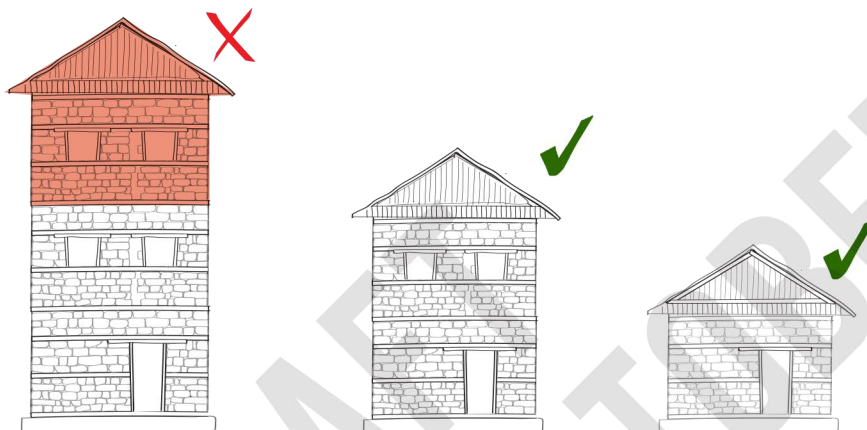
SHAPE

Use a regular shape that is not too narrow.
L and U shapes will twist during earthquakes.



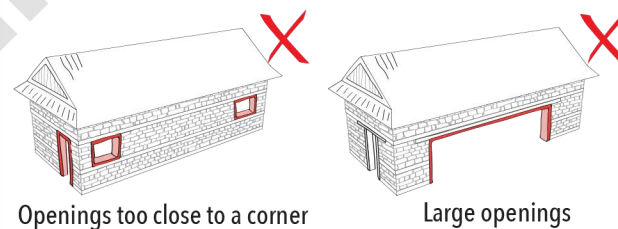
HEIGHT

Don't build more than 2 storey plus an attic.
If you want to build a taller building you need stronger materials.
Floor to floor height should not be more than 9'10" and less than 6'6".



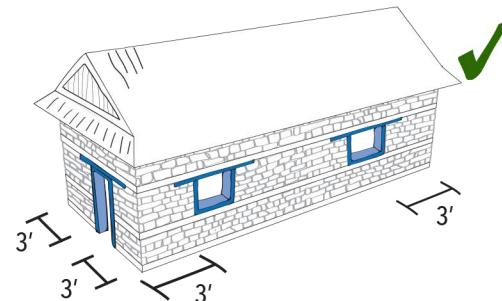
DOOR AND WINDOW OPENINGS

Large openings weaken a wall. Place openings away from corners and leave at least 3ft gap from corners and between openings.



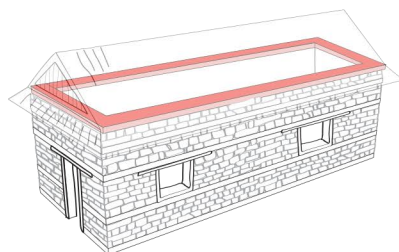
Openings too close to a corner

Large openings

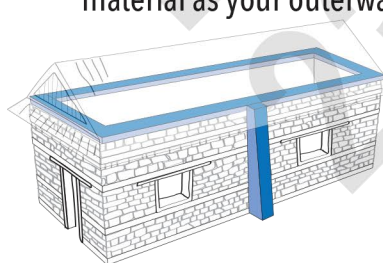


LONG WALLS NEED SUPPORT

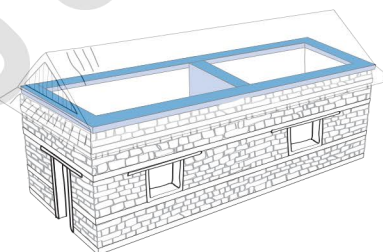
For a longer house use regular wall supports or buttresses. It is important to build any divide walls from the same strong material as your outerwalls.



Wall too long without supports



Provide buttresses



Provide internal walls



Government of Nepal
Ministry of Urban Development
Department of Urban Development
and Building Construction



Shelter Cluster Nepal
ShelterCluster.org
Coordinating Humanitarian Shelter

KEY MESSAGE
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