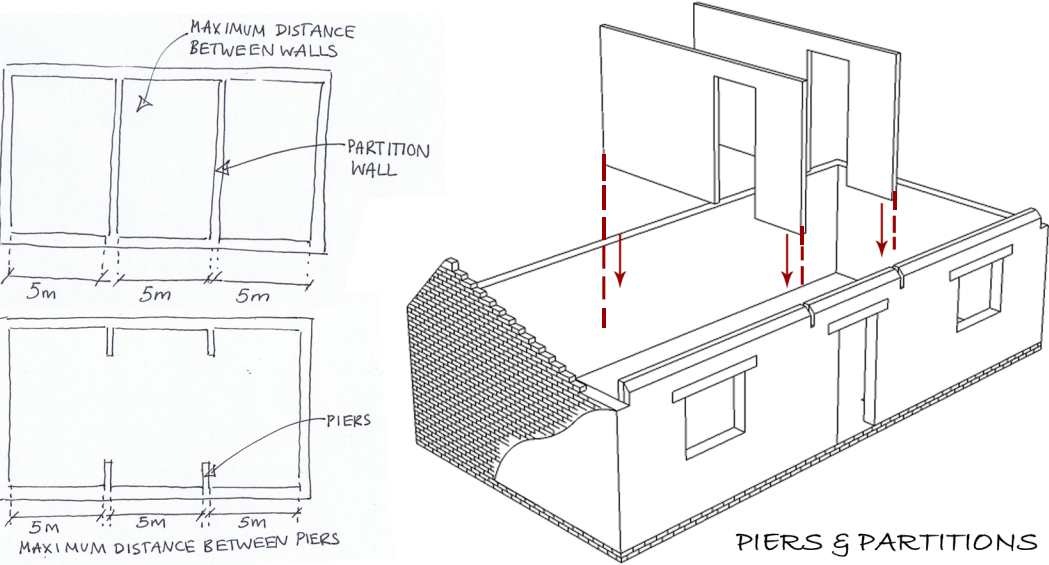


Guidelines for Safer House Construction

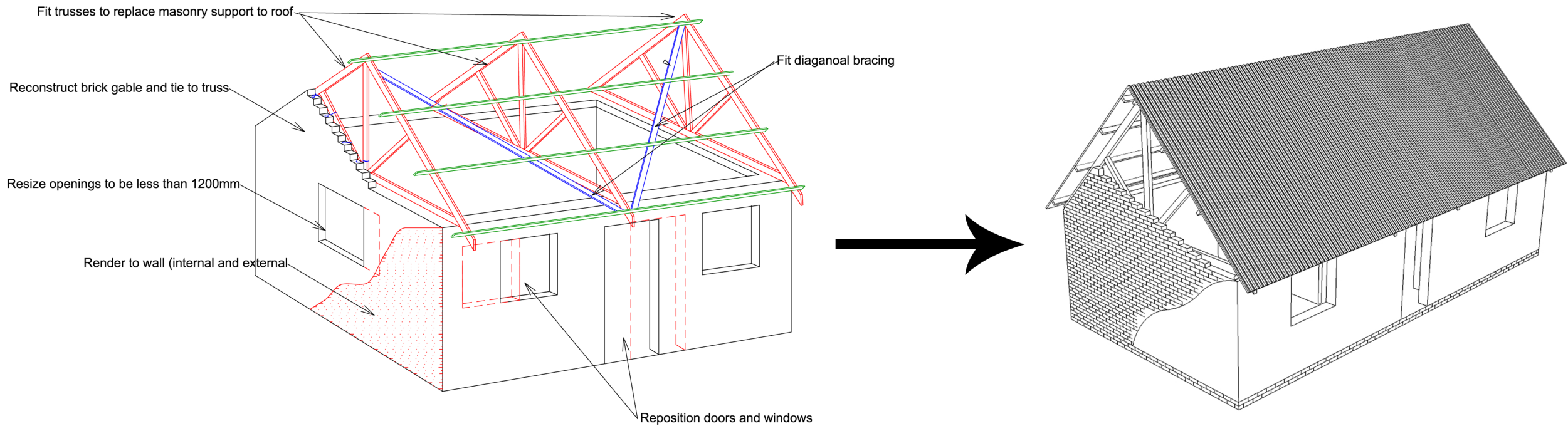
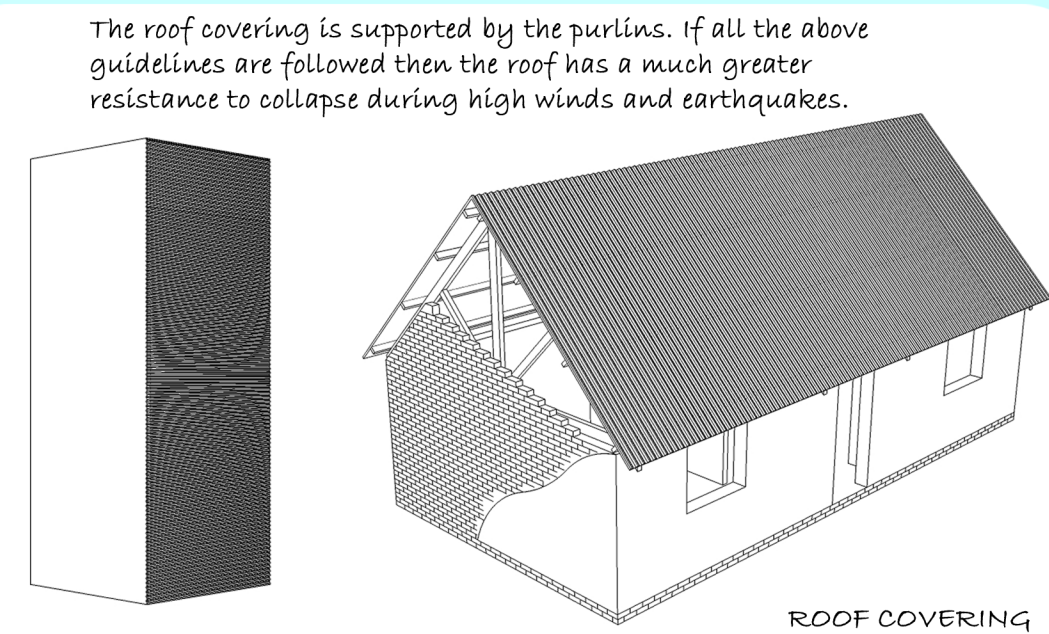
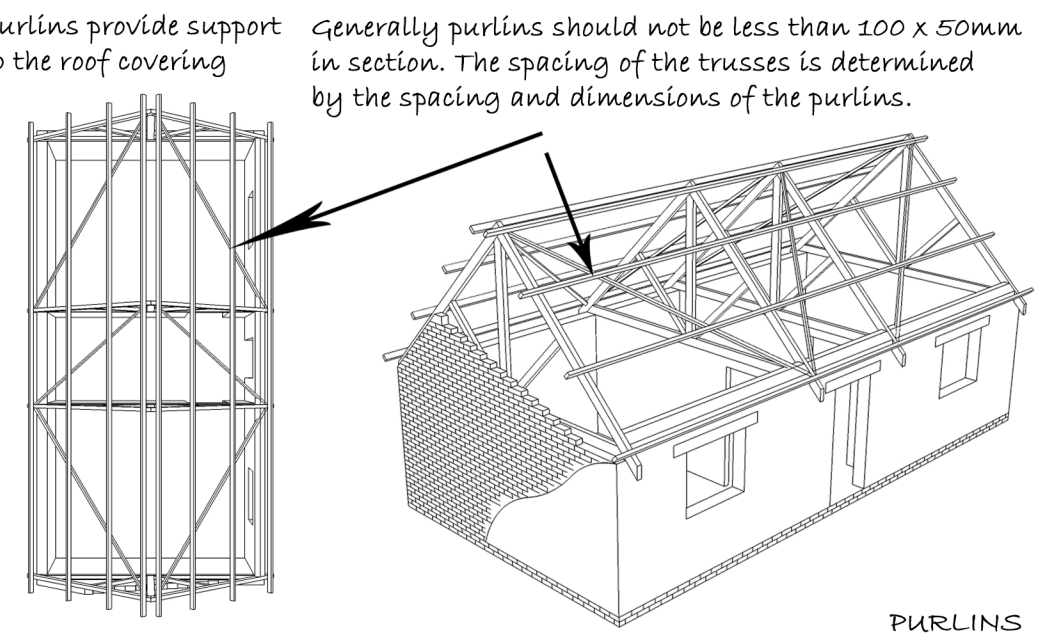
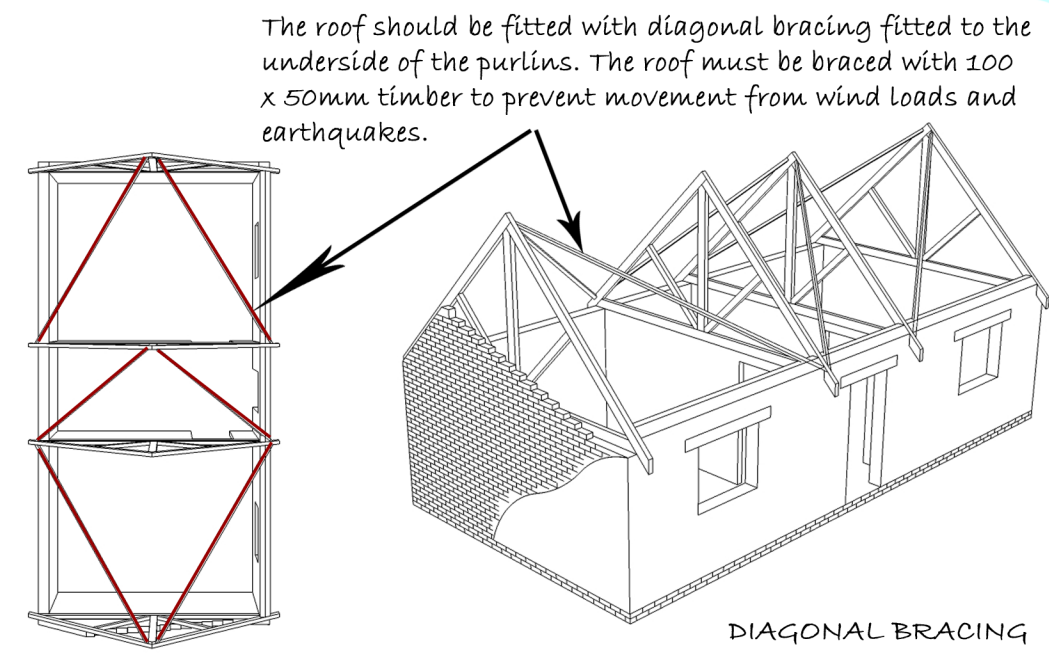
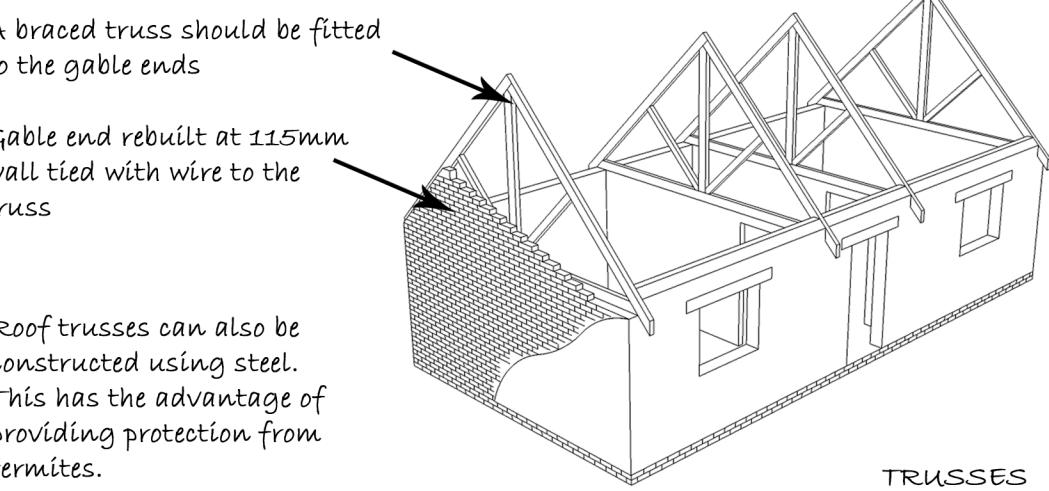
Retrofitting - improving existing houses

STRENGTHENING THE ROOF STRUCTURE

Where walls are longer than 5m construct an internal or external pier or partition wall. These must be constructed with foundations



Gables should be removed and a hip roof constructed or a braced truss fitted to the gable ends

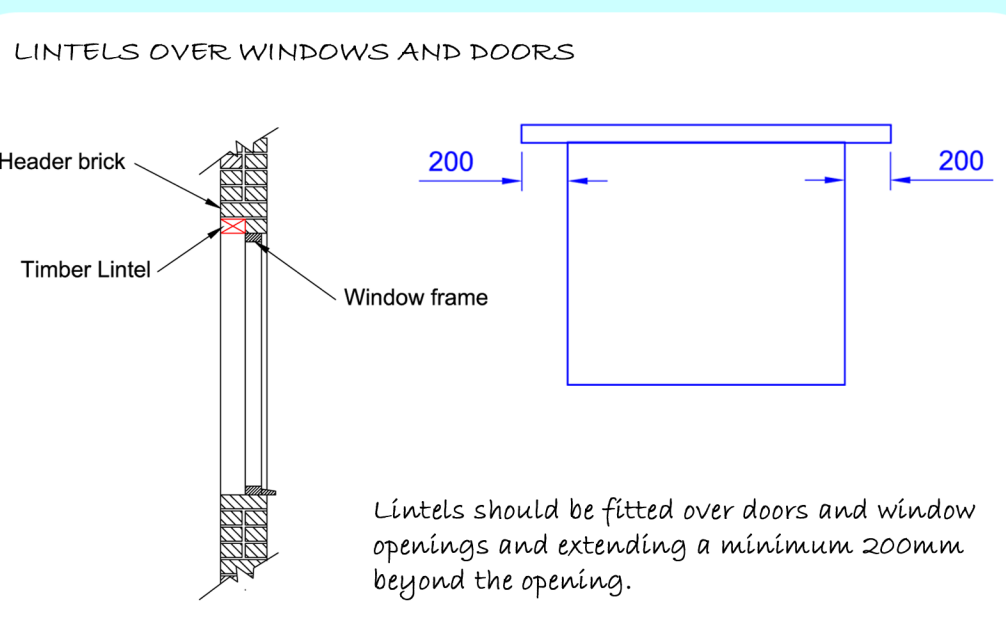
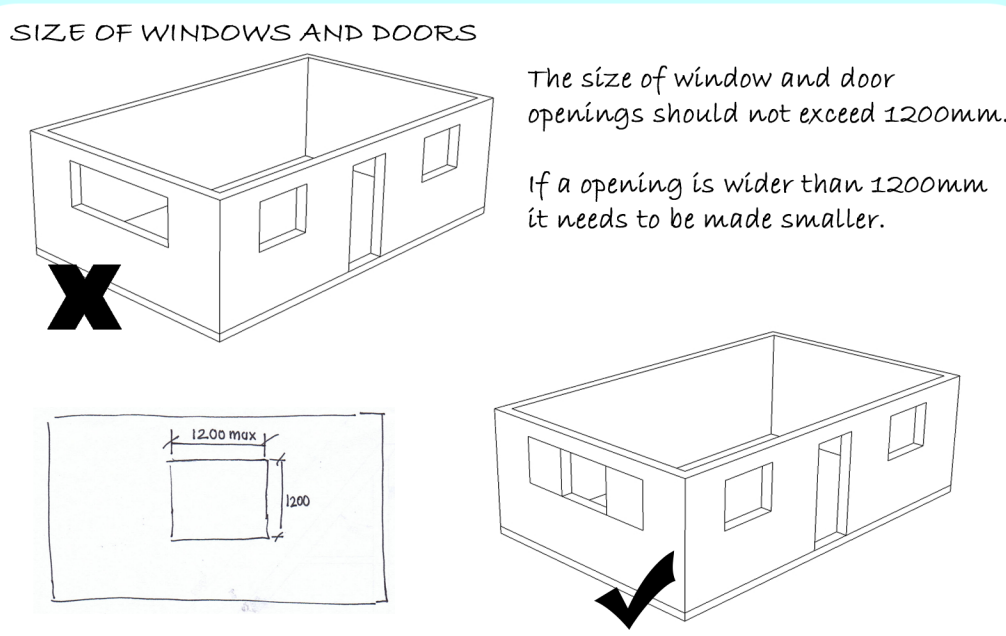
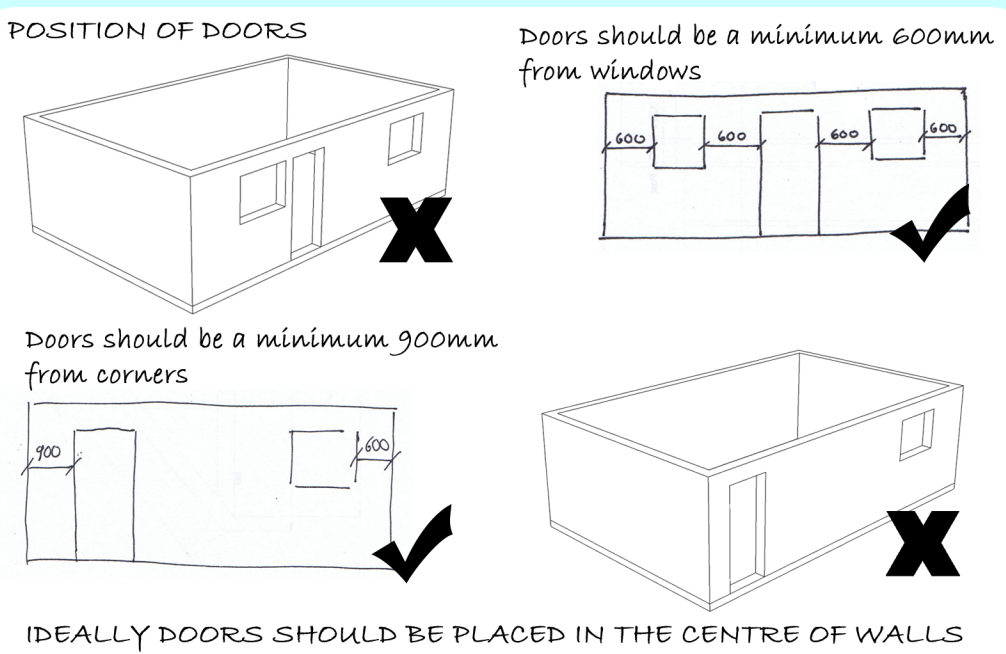
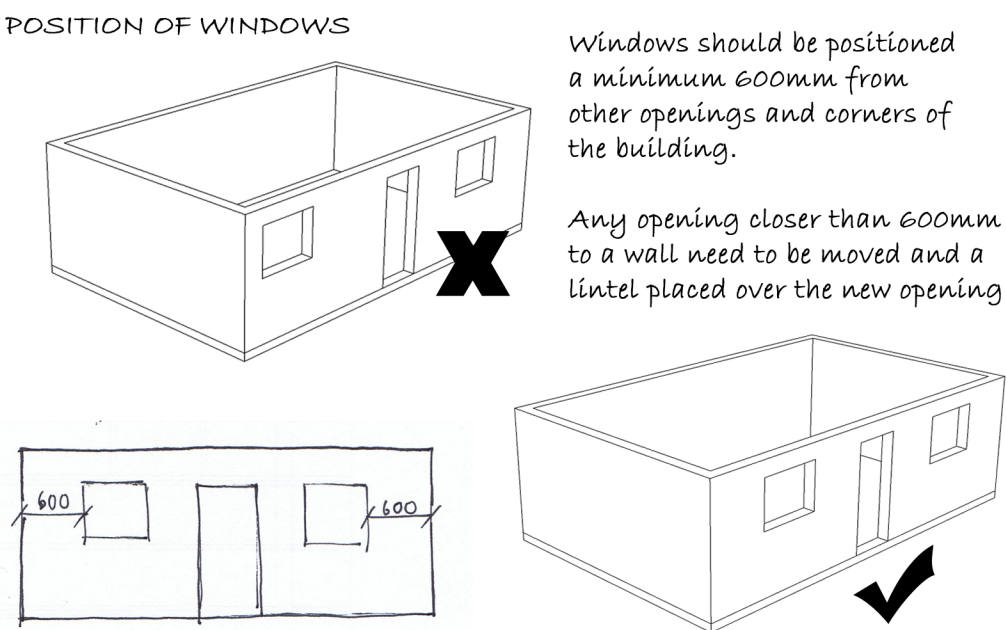


RETROFITTING

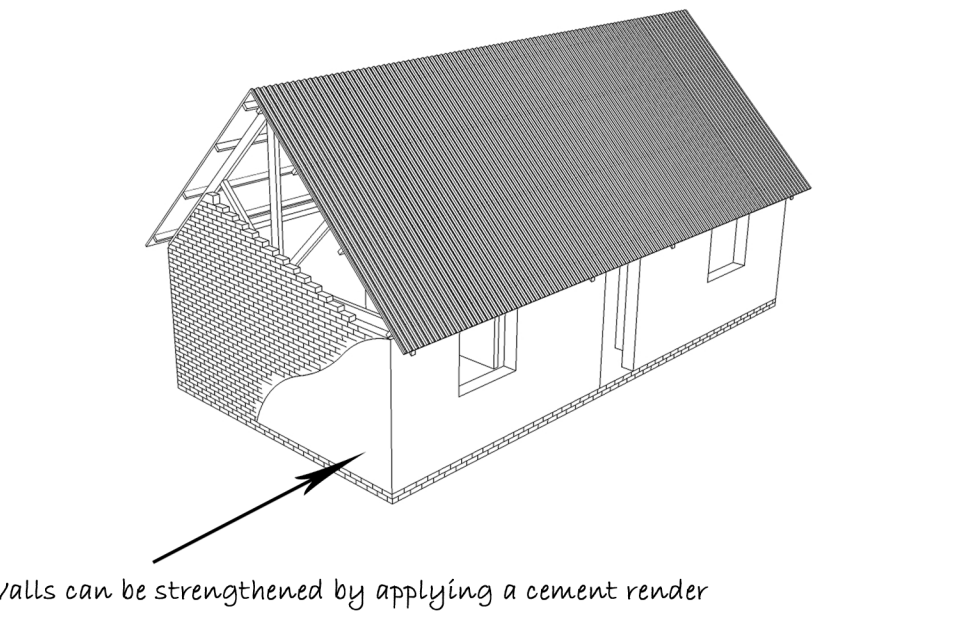
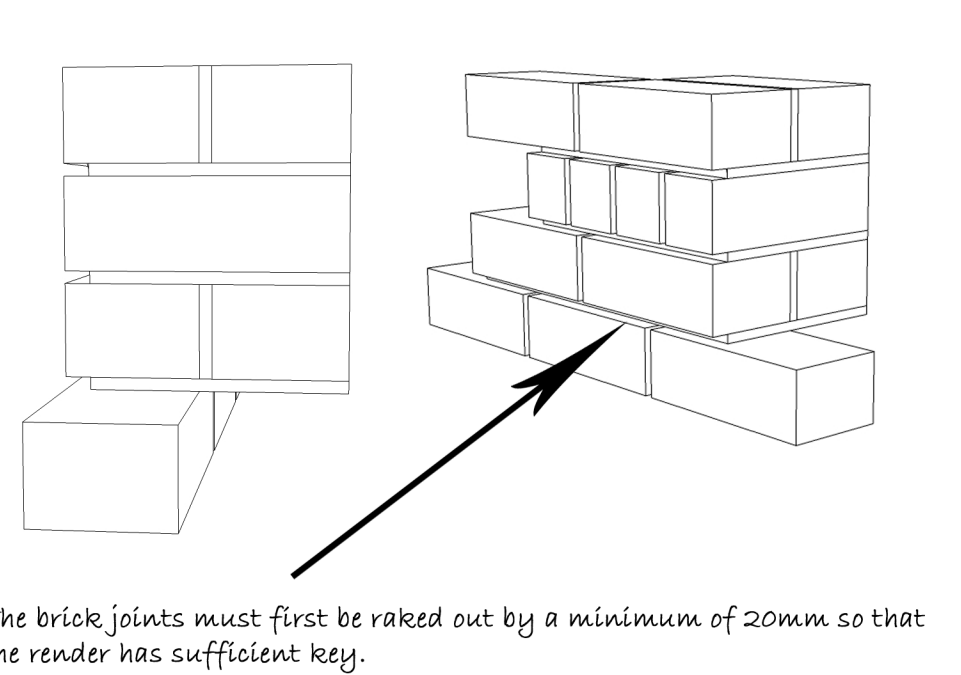
RETROFITTING IS THE PROCESS OF MAKING AN EXISTING STRUCTURE STRONGER.

THE SUGGESTIONS IN THIS POSTER DEMONSTRATE HOW THIS CAN BE DONE.

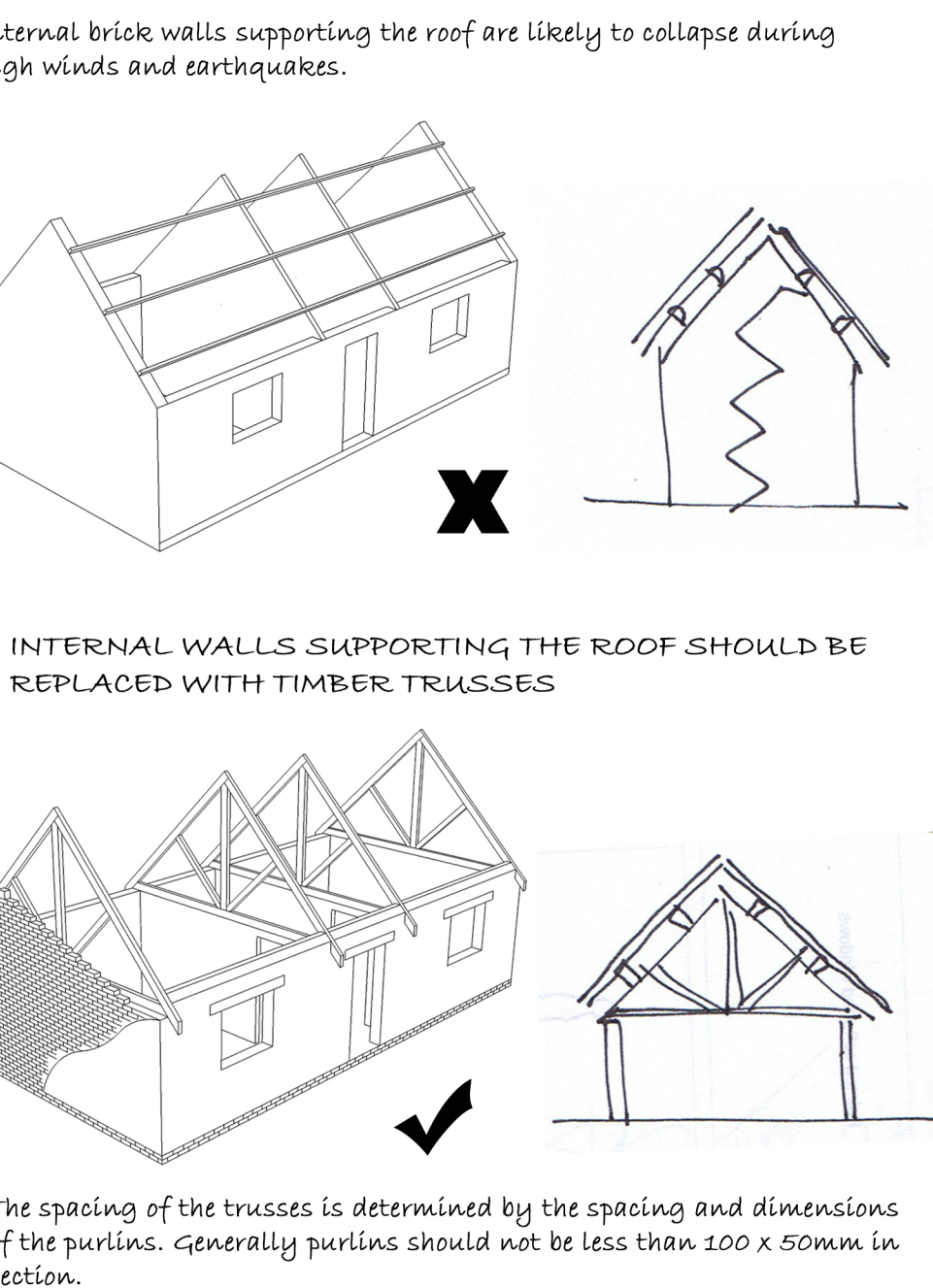
WINDOW & DOOR OPENINGS



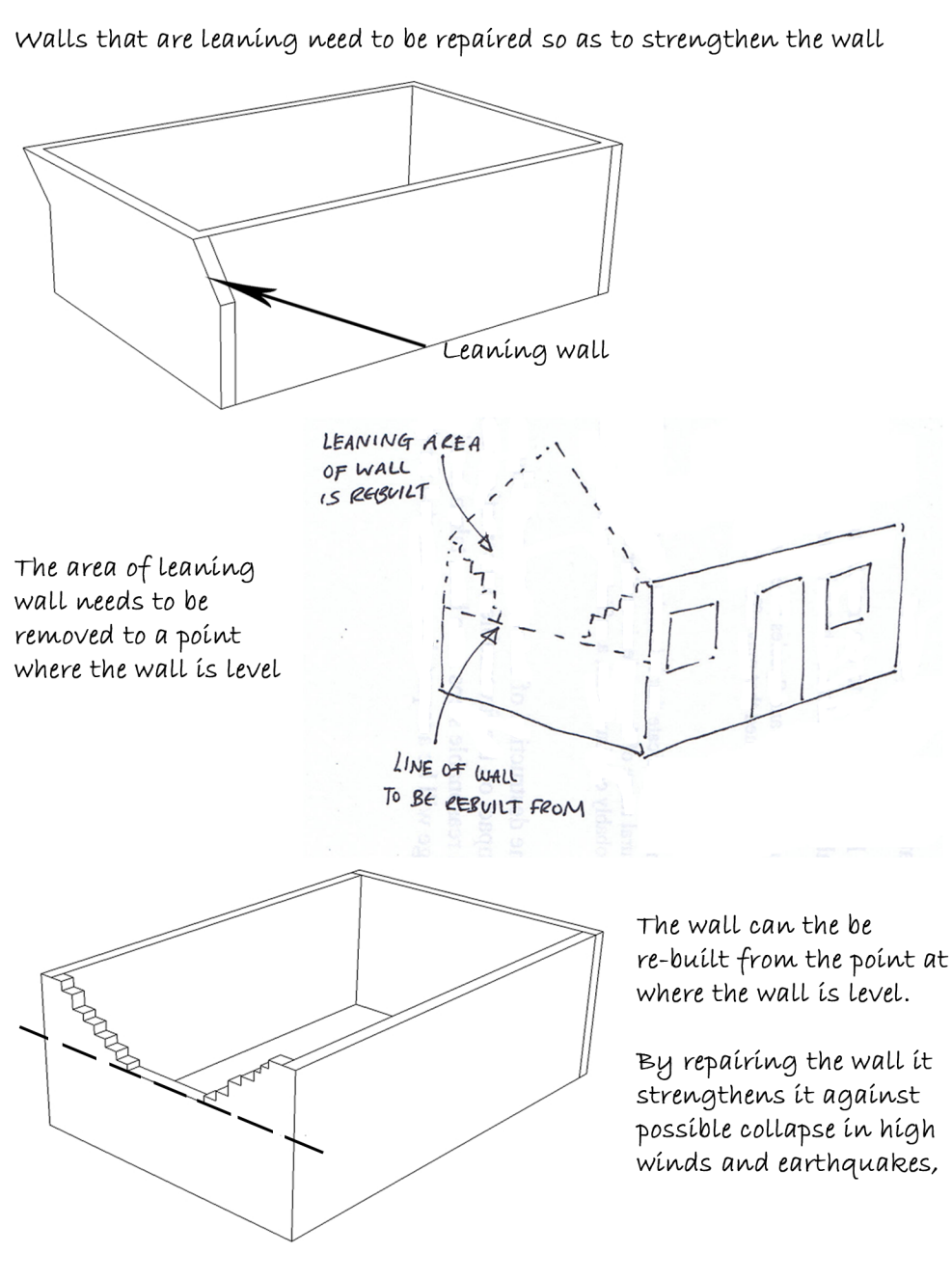
APPLYING CEMENT RENDER TO WALLS



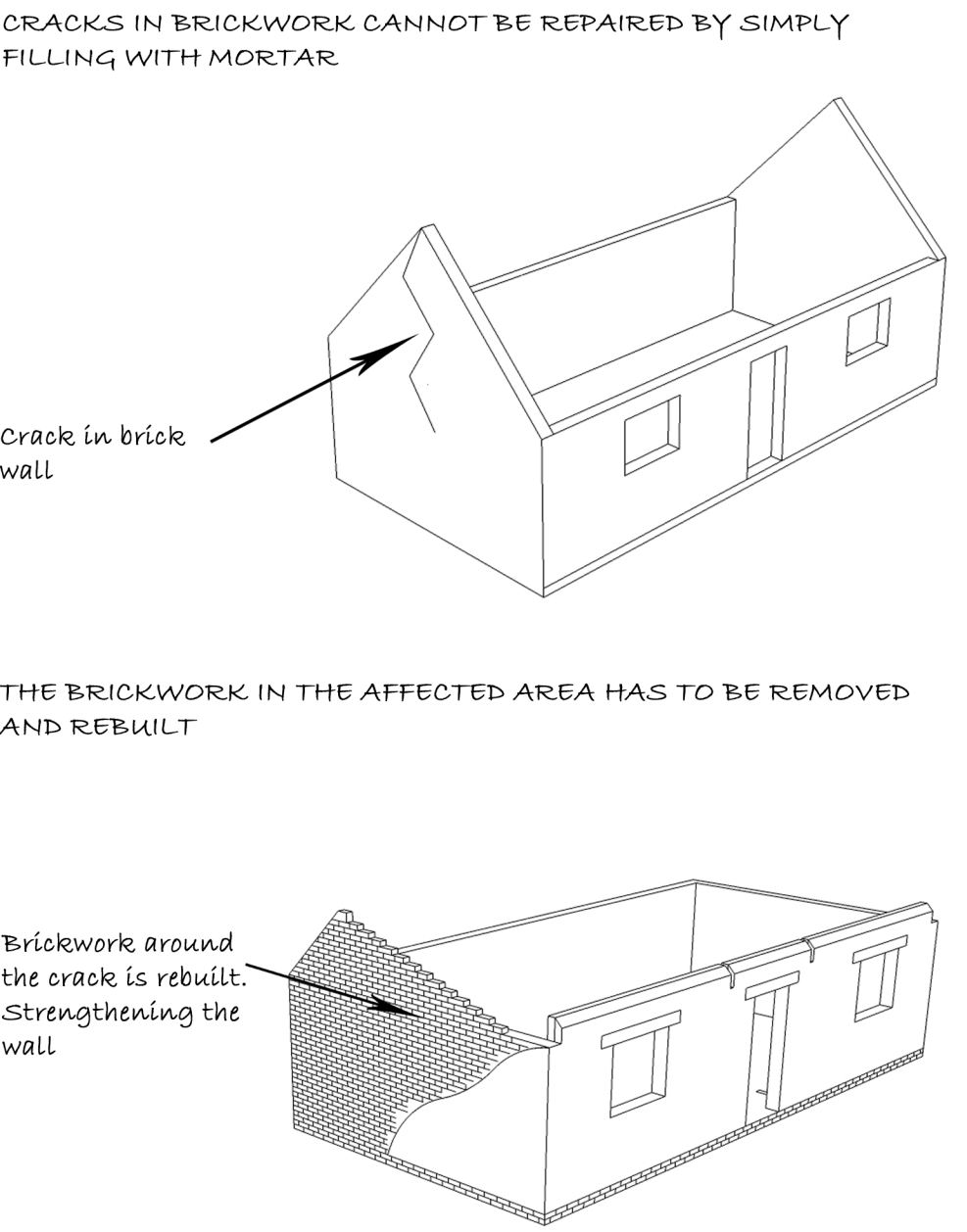
REMOVING INTERNAL SUPPORTING WALLS



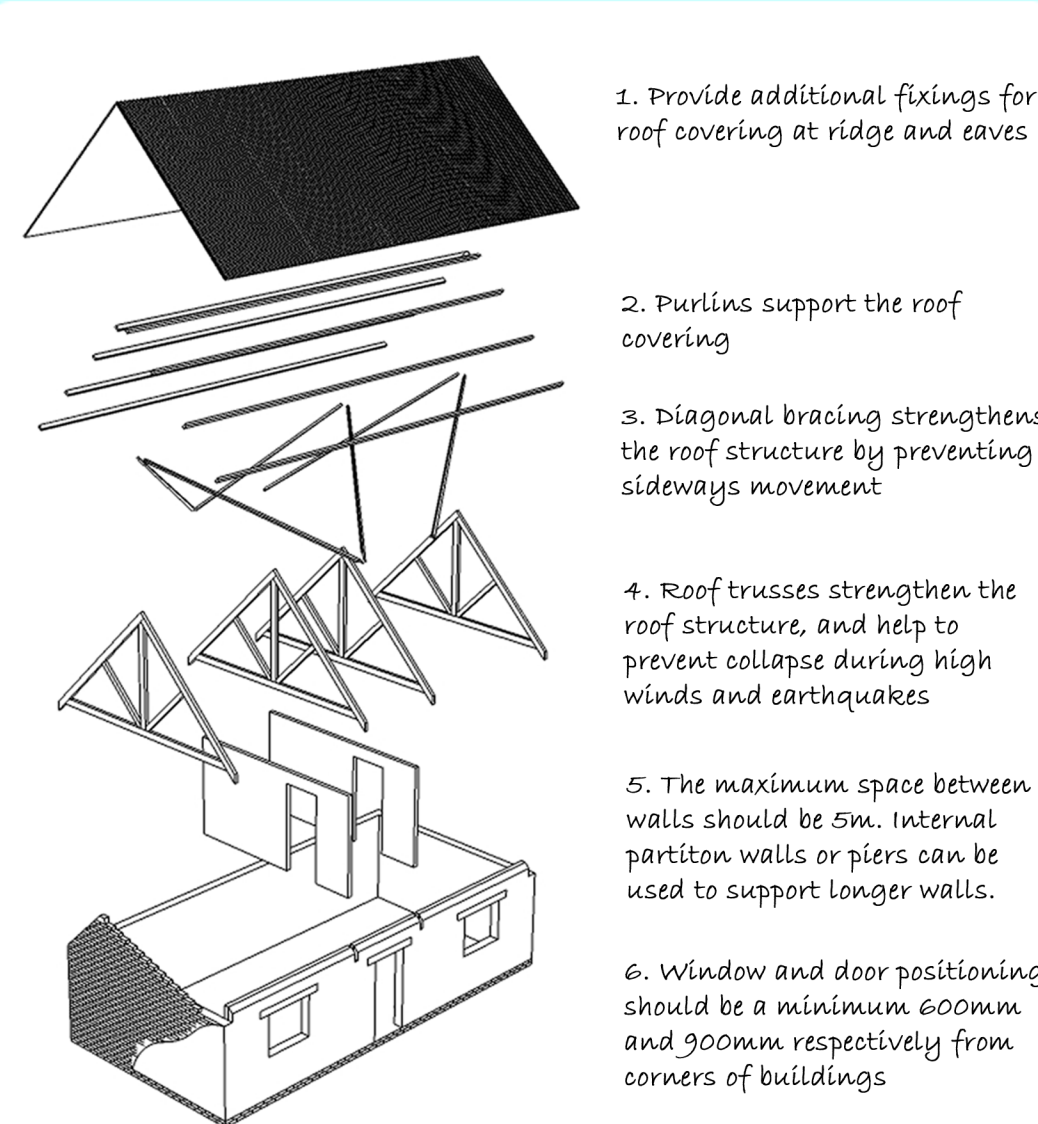
REBUILDING LEANING WALLS



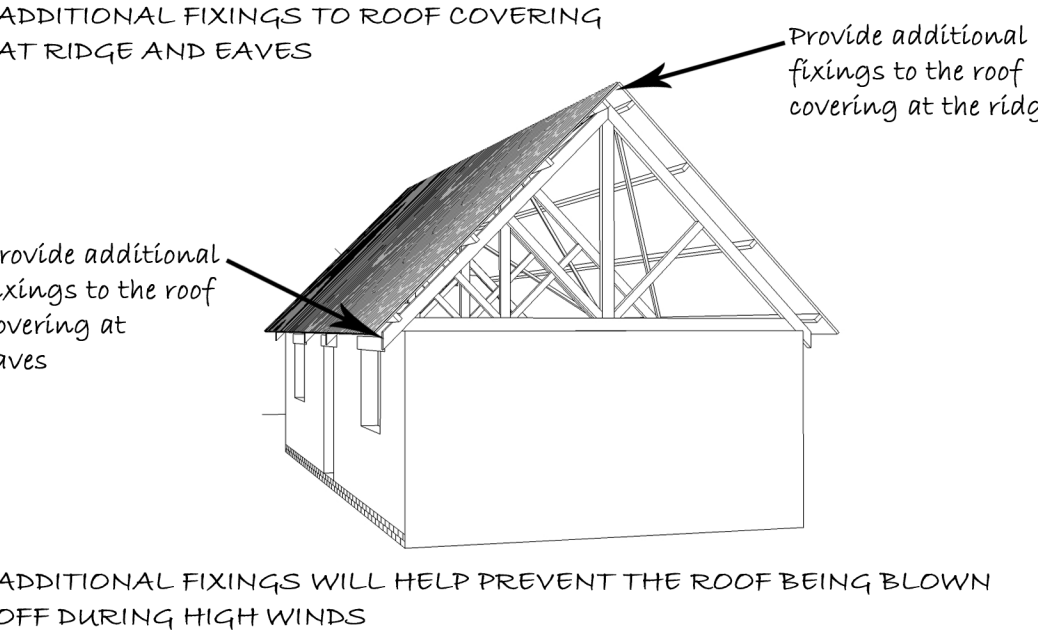
REPAIRING CRACKS IN WALLS



RETROFITTING TO STRENGTHEN HOUSES



ADDITIONAL FIXINGS TO THE ROOF



TIES FROM WALL PLATE OR RAFTERS

