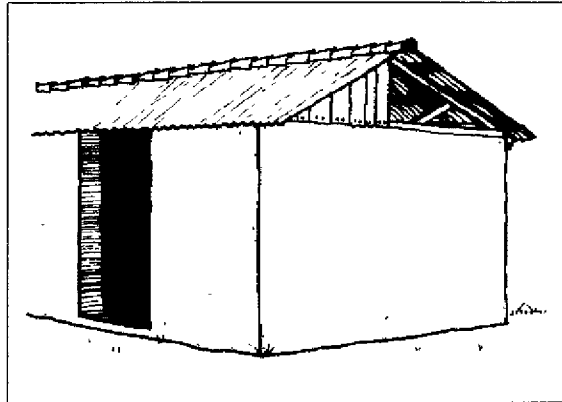
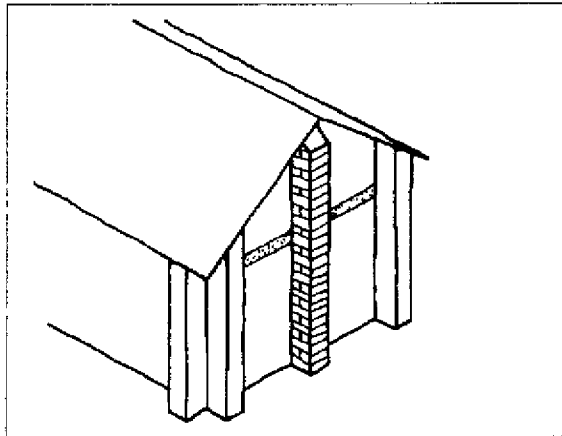


11. Gables

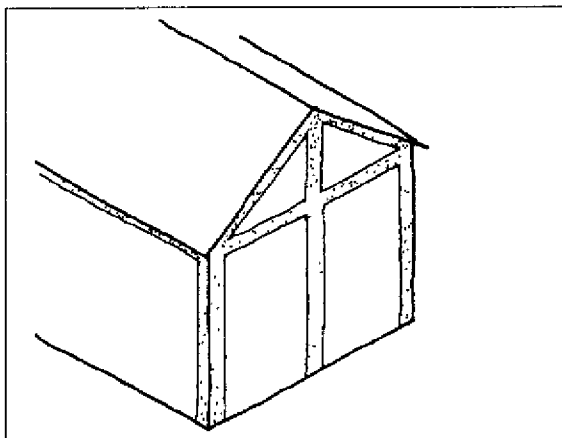
If gables are part of the wall, they are very weak against perpendicular forces. The best solution for avoiding this problem is to build a roof with four inclined planes (pyramidal shape), with which no gables appear. The second best solution is to build a light gable which is fixed only to the roof, as Fig. 11-1 shows. The third best solution is to build a gable wall and to stabilize it with a buttress, see Fig. 11-2. If a concrete skeleton structure is used, which is the most expensive solution, the gable also has to be stabilized by reinforced concrete elements, as shown in Fig. 11-3.



11-1 Gable fixed roof



11-2 Stabilization by buttresses



11-3 Stabilization by reinforced concrete structure