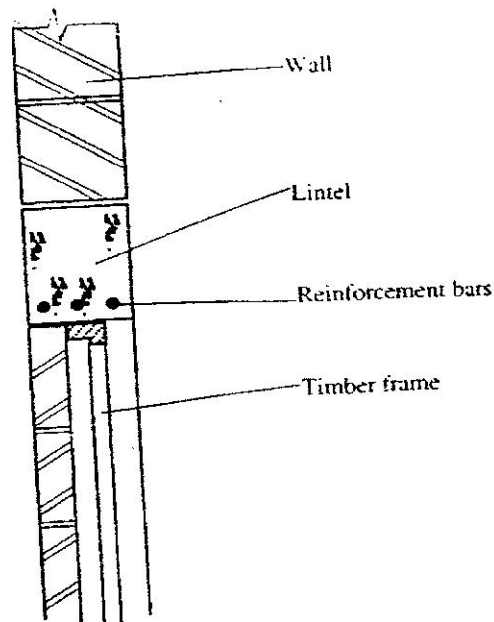


As suggested before in 446/1 the weaknesses are caused by inadequate practice in tackling different types of questions with particular reference to sketches. Students should view the different sections expected ie. cross-sectional and longitudinal. They should also be given enough practice in making the sketches. Assignments should also be given as part of drilling. These assignments should be marked. The results should be analysed to find the areas of weaknesses. Once the weaknesses have been discovered, they should be addressed both in class and individually.

Expected Responses



b) **Rough Arches**

These are arches constructed of ordinary uncut bricks and being rectangular in shape, they give rise to wedge shaped joints. To prevent the thick end of joints from becoming excessive, rough arches are usually constructed in header courses.

They are used mainly in facework for cheaper form of buildings or where appearance is of little importance.

Gauged Arches

These are arches constructed of shaped units. The bricks are cut to the required shape called voussoirs. The purpose of voussoirs is to produce a uniform thin joint which converges onto the centre point or points of the arch.

There are two methods of cutting the bricks to the required wedge shape namely axed and rubbed or just cutting to the required shape.