

University : Istanbul Kultur University
Institute : Institute of Sciences and Engineering
Department : Architecture
Programme : Architecture
Supervisor : Pro.Dr.Mehmet Şener KÜÇÜKDOĞU
Degree Awarded and Date : MA- Feb.2005

ABSTRACT

Housing in Libya Studies in Environmental Control

The idea of the thesis is to help change recent attitude about what constitutes good housing in Libya its underlying premise is to help designers fulfill Islamic social needs and to stress the long term costs of maintaining the building environment over short term cost development .

Likewise – This thesis proposed guide lines top help extend the life time of dwellings while marinating equilibrium between the new technology and the old housing techniques in order to achieve this idea it is method is deductive and rest on lesson of the past and analysis of climatic data and Islamic social life.

For most areas in Libya the use of mechanical equipment to achieve comfort indoor is not appropriate.

First: the factor of sand migration in some areas. As well as the problem of corrosion by salt increase laitance on such equipment.

Secondly: the country lacks technicians to service this equipment as well as spare parts which increase their running cost. For these reasons mechanical and electrical solutions to climatic adoption are beyond the capability of many building design strategies.

Hence more attention should be paid to Climatic contrary through architectural design.

The aim of this part of the study is to provide architects who work in Libya and students of architectures with better understanding of potential design strategies for building envelope and its relation to certain environmental control guide lines to achieve human comfort inside resident building how over its important arts to give an idea about relating man climate and design to comfort indoors and then to provide design guide lines according to the proper satisfaction of each point.