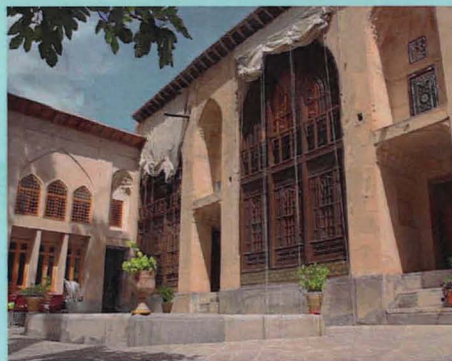
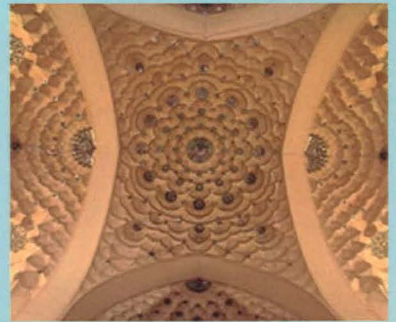


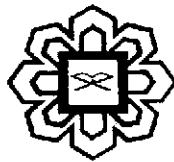
ARCHITECTURAL HERITAGE STUDY IN IRAN: HAGHIGHI HOUSE

Editor
Asiah Abdul Rahim



Architectural Heritage Study in Iran: Haghighi House

**Editor
Asiah Abdul Rahim**



**INTERNATIONAL ISLAMIC UNIVERSITY
MALAYSIA**

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CHAPTER 6

THE ARCHITECTURE - METHODS OF CONSTRUCTIONS

Farah Liyana Ahmad Latifi, Nurul Ainul Md Yusoff, Fatin Zahida Abu Hassan, Asiah Abdul Rahim and Noor Aziah Mohd Ariffin,

INTRODUCTION

This chapter will discuss in detail the methods of construction of Haghghi house which cover the followings: structural system, foundation system, floor structure, load bearing wall, beam structure, roof structure, non-structural system, doors, windows, facade design, decoration, ornamentation and muqarnas. This chapter also highlighted the environmental aspects which affect the overall design of the house, including the mechanical system, which comprises of the sanitary system, sewerage system and the water supply system.

STRUCTURAL SYSTEM

The building system of the Haghghi House can be categorized into the structural and the non-structural systems (Figure 6-1). The structural system of a building is able to transfer and support the load from above towards the ground safely without any problems to the structural members of the building.

The structural elements of a building can be classified into two (2) parts which are the substructure and the superstructure. The substructure is the foundation of the