

TABLE OF CONTENTS

VORWORT	V
PREFACE	VI
ACKNOWLEDGEMENT	VII
SUMMARY	IX
ZUSAMMENFASSUNG	XI
TABLE OF CONTENTS	XIII
<u>PART I: RESEARCH, ANALYSIS AND CONCLUSION</u>	1
1. INTRODUCTION	3
1.1 Description of the topic and research goals.....	3
1.2 Method.....	5
2. TURKISH HOUSE	7
2.1 Role of the local traditions on the development of the housing concept and the variety of the dwellings.....	7
2.2 Characteristic principals and important elements.....	14
2.2.1 Nature.....	14
2.2.2 Form and function.....	15
2.2.3 Simplicity and flexibility.....	15
2.2.4 Room and hall.....	15
2.2.5 Service zones.....	16
2.2.6 Role of the residents.....	16
2.3 Place of Istanbul in the Turkish wooden housing heritage and the different types of timber houses.....	17
2.3.1 Importance and the architectural identity of Istanbul before early 20 th century.....	17
2.3.2 Housing types in Istanbul and their characteristics.....	18
3. WESTERN EUROPE FROM THE 19TH TO THE EARLY 20TH CENTURY	21
3.1 Architectural trends.....	21
3.1.1 Historicism and eclecticism.....	21
3.1.2 Art Nouveau.....	22
3.2 Developing technology and usage of material.....	23
3.2.1 Transportation.....	23
3.2.2 Education and research.....	23
3.2.3 Building techniques and materials.....	24
3.3 Reflections of the new styles and developments on the housing concept.....	24

4. THE INFLUENCE OF THE WESTERNIZATION ON THE ARCHITECTURE OF ISTANBUL	27
4.1 The paved way for the changes in architectural trend in the 19 th century Ottoman capital.....	27
4.1.1 Westernization in the Ottoman Empire.....	27
4.1.2 Increasing connection with Europe and the cosmopolitan society of Istanbul.....	29
4.2 Styles of European origin on the buildings of Istanbul.....	31
5. INDIVIDUAL EXAMPLES FROM ISTANBUL	41
5.1 Wooden building in Arnavutkoy.....	41
5.1.1 General information on the site and the building.....	41
5.1.2 Characteristics of the facades.....	44
5.1.3 Characteristics of the spaces.....	46
5.1.4 Structural system and the usage of materials.....	50
5.1.5 Drawings and models.....	52
5.2 Wooden building in Sarıyer.....	66
5.2.1 General information on the site and the building.....	66
5.2.2 Characteristics of the facades.....	68
5.2.3 Characteristics of the spaces.....	70
5.2.4 Structural system and the usage of materials.....	74
5.2.5 Drawings and models.....	78
5.3 Wooden building in Tarabya.....	88
5.3.1 General information on the site and the building.....	88
5.3.2 Characteristics of the facades.....	91
5.3.3 Characteristics of the spaces.....	94
5.3.4 Structural system and the usage of materials.....	97
5.3.5 Drawings and models.....	100
5.4 Wooden building in Çengelköy.....	113
5.4.1 General information on the site and the building.....	113
5.4.2 Characteristics of the facades.....	115
5.4.3 Characteristics of the spaces.....	119
5.4.4 Structural system and the usage of materials.....	122
5.4.5 Drawings and models.....	123
6. CHARACTERISTICS OF THE TIMBER HOUSES IN ISTANBUL FROM THE LATEST PERIOD OF OTTOMAN EMPIRE	131
6.1 Plan.....	132
6.1.1 Layout of the rooms, usage of the spaces and the interior decoration.....	132
6.1.2 Stairs.....	135
6.1.3 Interaction with the surrounding environment and the gardens.....	136
6.2 Roof.....	138
6.3 Facade.....	147
6.3.1 Ornaments and other special marks on the claddings.....	147
6.3.2 Windows.....	154
6.3.3 Entrance space and doors.....	167
6.3.4 Balcony and oriel.....	173

6.3.5 Tower.....	178
7. STRUCTURAL SYSTEMS OF THE TIMBER HOUSES OF ISTANBUL	181
7.1 Timber frame system.....	181
7.2 Surfaces of the walls.....	192
7.2.1 Inner side.....	192
7.2.2 Facade cladding.....	193
7.3 Masonry parts.....	194
7.3.1 Infill.....	195
7.3.2 Basements and ground floors.....	195
7.3.3 Firewall.....	196
8. CONCLUSION	197
<u>PART II: CATALOGUE</u>	199
EXPLANATIONS.....	201
Introduction.....	201
Selecting the objects and places.....	202
Photography and drawings.....	202
Texts and classifications.....	203
LIST OF DISTRICTS.....	204
European Side	
Sarıyer.....	205
Beşiktaş.....	350
Bakırköy.....	401
Asian Side	
Beykoz.....	442
Üsküdar.....	474
Kadıköy.....	524
Prince Islands.....	587
Heybeliada.....	587
Büyükkada.....	627
Additional examples from old city.....	657
Eyüp.....	658
Süleymaniye.....	665
Zeyrek.....	673
Beyoğlu.....	686
REFERENCES	693