

ETH Studio Basel Contemporary City Institute





'In the 60s and 70s, a traveler coming from the Gulf for the first time would be surprised when he entered this city, where nothing resembles what he knows. The urbanization, the chaos, the abundance of shops, the leisure possibilities, the multitude of neon signs, the bustling dayand night-life, the freedom of appearance apparent in the diversity of the people strolling by, especially the women.... Europe had not yet become the destination it became after the oil boom, and

Beirut at that time was the closest model of the West; a West that spoke the same Arabic but with a softer accent...

It seems, as the fairies decided one day how to distribute the jewels among Arab cities, that Beirut would become 'the dolce vita city,' visited by Pompée, Saladin and Jazzar victorious against Bonaparte in Acre -Mo'awiya, possibly Ramses II, and even Jesus.'

Samir Kassir, Histoire de Beyrouth Fayard, Paris 2005





Regula Schweizer Stephie Pfenninger

ETH Studio Basel Contemporary City Institute

THE MIDDLE EAST STUDIO Wintersemester 2009

Prof. Jacques Herzog Prof. Pierre de Meuron Manuel Herz Shadi Rahbaran Ying Zhou





# 60's BEIRUT



### the sixties

|                      | introduction  |
|----------------------|---|
| back-<br>ground      | the swinging sixties<br>city planning Beirut<br>city development during the sixties<br>building activity  |
| the<br>sixties       | development of Badaro   Raoucheh since the 20's<br>investors   inhabitants   renters<br>development of the ground floor<br>building laws<br>building catalogue of sixties architecture<br>sunshields   building orientation   materials |
| during<br>wartime    | map greenline   religions   short war-overview<br>illegal souks in Raoucheh<br>fassades with war effect   |
| current<br>situation | <pre>raoucheh   badaro   today compared with the 60's infrastructure today coastline raoucheh badaro what happens to the buildings from the 60's? building activity current situation conclusion</pre>                                  |







# Raoucheh

# Badaro



#### Introduction

This report examines the urban development in Beirut in the 1960ies, primarily on the basis of the building activities in the city districts of Badaro and Raoucheh.

Lebanon, and Beirut in particular, has always been influenced or even dominated by foreign leaders. Hellenistic influence dated back to the time before Christ, then Beirut turned to a colony of the Roman Empire, which was afterwards overtaken by the Arabs. In the Dark Ages, crusaders invaded and occupied the city. Starting in the 17th century, the Ottoman Empire dictated the country, and after the First World War, Lebanon was under a French regime. During the Second World War, in 1943, Lebanon achieved independence. Even though independence of external powers enabled self-administration, inter-



nal dissensions prevented a strong central government. 17 religious believes were and still are represented in parliament, thus the various different influences on Lebanon remained even after independence. Political and official structures were never strong due to a lack of consensus on concentrating the government's power. On the other hand, exactly this variety of influences enabled Beirut to become a rather liberal Middle Eastern city after the World War, where also Western Air was tolerated and encouraged. Many well educated, who studied abroad during the French Mandate, returned to Beirut with a Western attitude.

The weak, but liberal political influence is clearly represented in the building activities after the Second World War. Once independent, there was an economical boom in Beirut. There was plenty investment activity also in terms of construction. Although efforts were made to regulate urban development in 1954 and in 1963, these were mostly unsuccessful and construction remained rather anarchic. Nevertheless, the city administration engaged well-known architects to at least remain present in an official manner in the city's urban development. Especially in the 1960ies when Beirut prospered economically and culturally, welthy investors, also from the stricter countries surrounding the Lebanon, started building . There was an enormous building boom leading to a compression of Beirut's town center and to extension of existing structures. Additionally, new boroughs and districts developed. This report focuses on two of the booming districts in Beirut: Badaro and Raouché. The districts have contrasting history of origins. Badaro was a former military base of the French. The Badaro area has been already somewhat structured, with a large military hospital, and various other buildings (churches, a college, the building what is today the Lebanese National Museum). During the activities in the 1960ies, the former French rules of city development were loosely followed. This favored large targeted investments in a structured manner resulting in a predominance of housing facilities. Completely contrary was the development in Raouché, which is on the coastline . . Previously an unstructured area, there was an anarchic urban development attracting liberal minds, which made Raouché perfect for adapting the 60ies lifestyle. There was room for personal self-realization, but also hotel-complexes, bars and other "lifestyle" buildings.





### the sixties

the

sixties

during wartime

current situation

background the swinging sixties city planning Beirut city development during the sixties building activity

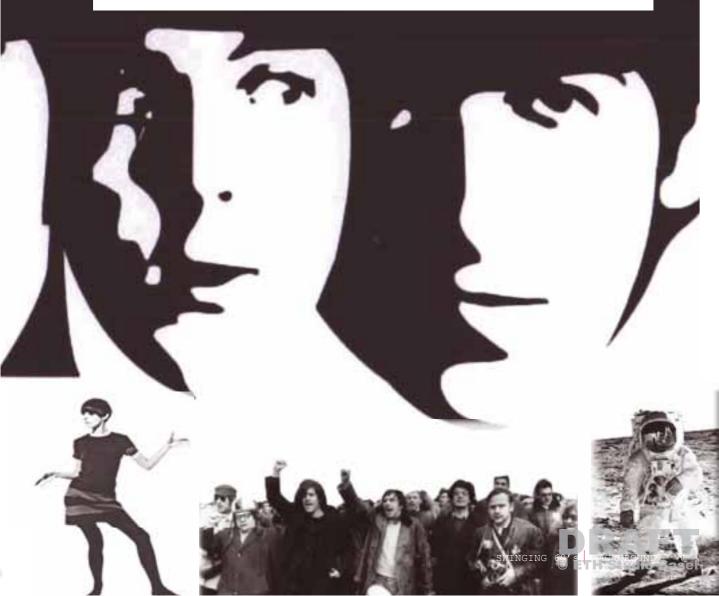
© ETH Studio Basel

World 1960

1 Beatles, Musi Kennedy, Livest ate Use, Sexua Uschi Obermaier 5 Mary Quant, Dutschke, Revolu Armstrong, tecni swinging |'swi ng i ng | adjective informal (of a person, place, or way of life) lively, exciting, and fashionable *: aswinging resort | the Swinging Sixties.* 

#### sixty |'sikstē|

cardinal number (pl. -ties)
the number equivalent to the product of six and ten; ten more than fifty;
60 : a crew of sixty | sixty bedrooms | sixty percent of the children.(Roman numeral: Ix, LX.)
(sixties) the numbers from sixty to sixty-nine, esp. the years of a century or of a person's life : Morris was in his early sixties | the flower children of the sixties.







#### Lebanon 1960

,At Beirut, the jet set arrive in the same way as they do at all airports in the world. Only here can it be said, that nothing is diffrent. Calculated efficiency of the 20th century way of travel is taken for granted. The heart of the capitol is the "place de martyr" almost an international crossroad.

Life can be fun in the modern and life can be fun in the traditionel turn, too. In the markets or sougs its all on display, yours for the asking. Providing it be. Magnificent villas stand at the oceanside, where fun under the sun ist the order of everyday.'

Lebanon/ Beirut in the 1960 a film by Harold Baim

BRITISH BOARD OF FILM CENSORS



#### Beirut 1960

Fresh from rehearsals in a grey and wintry Paris, Sherry Wilson arrived in Beirut in November 1968. She and her fellow dancers were to perform in the latest extravaganza from impresario Charley Henchis at the Casino du Liban, and they were happy to be there. Paris was cold and tense, battered by rioting students, while

#### Beirut was sunny and chic, a fully paid-up member of the Swinging Sixties club.

Sherry, complete with tousled Brigitte Bardot hair and mini-skirt, was not out of place.

Opened in 1959, the Casino was the centre-piece of Beirut's glitzy nightlife. Inspired by the casinos of Monte Carlo, it had a grand marbled entrance, two gaming rooms and an underground lounge, the Baccarat, which hosted spectacular floor shows.

The dancers were a cosmopolitan crowd. British, French, American, Polish, they all confess to a certain nostalgia for the good old days in Beirut. Sherry remembers the bewildering mix of peoples selling their wares in the souk at the Place du Canon and Babidriss, among them Armenians, Palestinians and Syrians. Beirut was not a pretty city, but it was stylish. The women were always impeccably turned out, and the shops and boutiques of Hamra Street had the latest fashions. Beirut was at its most attractive towards the coast, an area of wide boulevards, palm trees and cafes on the Corniche, overlooking the sea with the waves lapping the curious rock formation. In the bay known as Pigeon Rock.





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#### Cityexpansion

#### 1945- 1960 The Laissez-faire policy

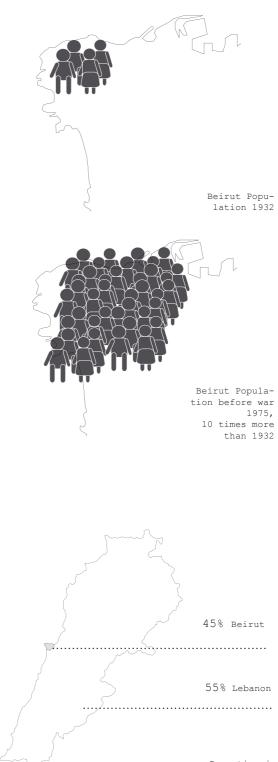
During the French Mandate, french experts had drawn masterplans for Beirut. (Danger 1933, Ecochard 1944). These plans comprehended only general schemes which were never approved nor implemented.

During the early years of its independence the city increased fast. Very little was done to develop a planning policy. The economic miracle acted as an alibi for the 'laissez-faire' policy of public authorities.

In 1952 the first official Master Plan for Beirut was adopted. But this Plan was nothing more than a network of roads, too narrow for the traffic volume. No attempt was made to preserve the natural sides, nor to plan the future growth of the city outside its administrative boundaries. The result was the unplanned expansion of Beirut.

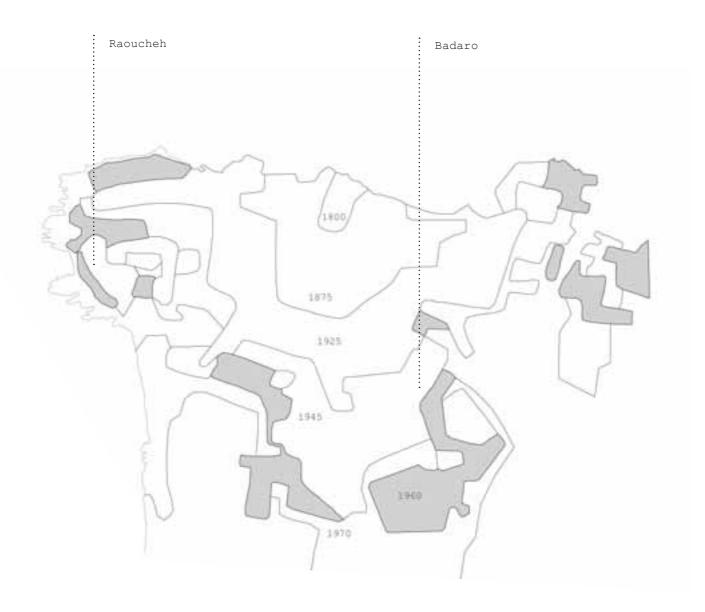
Beirut's agglomeration spread along the main arteries(Badaro), swallowing up the beaches (Raoucheh).

While Beirut metamorphosed into an metropolis, the rest of the country retained of its traditional patterns.





Popuation in Lebanon before war



Comprehensive Plan Studies City of Beirut



#### Chehabisme 1960 - 1975

In 1963 the first town- planning legislation applicable to all of Lebanon was adopted. All matters related to town planning were in the hands of one authority: the Directorate General of Town Planning assisted by the Higher Council for Town and Country Planning. A ,General Masterplan' was for the first time introduced in the Lebanese legislation. The plans comprehend details for the acquisation of land for public use, for the constitution of misexed real estate companies for effecting urban development on a large scale.

In no time, the problems proved to be more complicated than they first appeared. The prevailing view was that the city was too committed by previous development to accomodate any basic change or major reconsideration. The planners called Ecochard (french architect, who had drawn a masterplan for Beirut in 1944) for help. They autorised him to plan a metropolis which would extend from Jounieh to Naameh south.

#### Ecochard

The premise of Ecochard's perspective was that the breakdown of the urban core should not lead to the loss of urban form.

He tried to prevent the uncontrolled proliferation of suburbs by replacing the mononuclear structure by a polynuclear structure organized around green spaces and green belts.

He proposed the creation of a new town of Burj- Brajneh and Hayal- Sellom in the southern suburbs. He also wanted to protect the wooden hills, the beaches and the forest.



Schema of the City by Ecochard

# LES ELEN L'AMENA

# IENTS DE SEMENT

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C

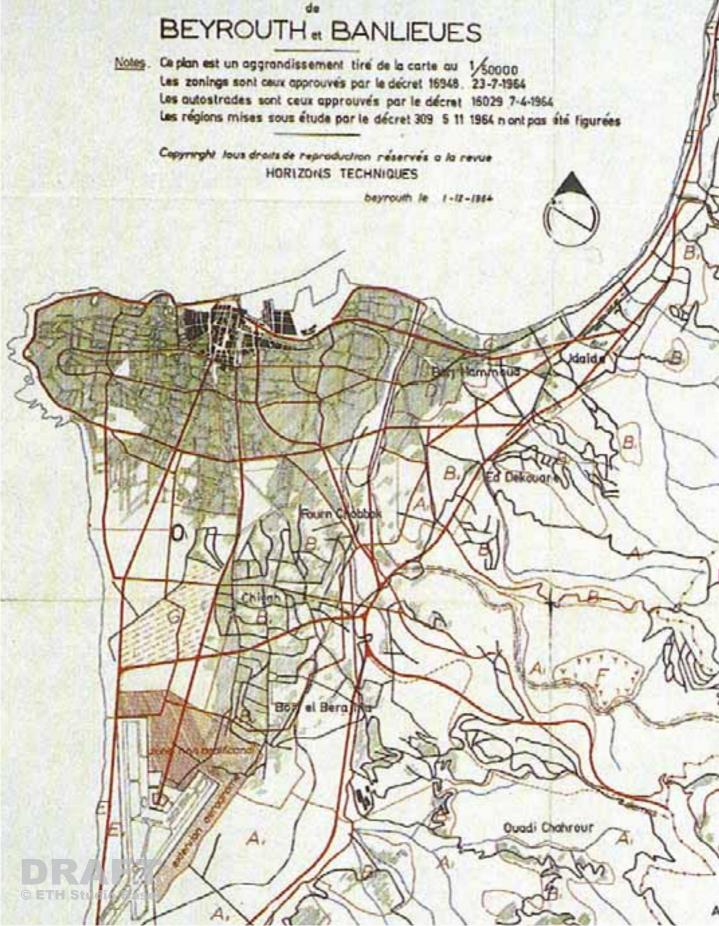
the city center

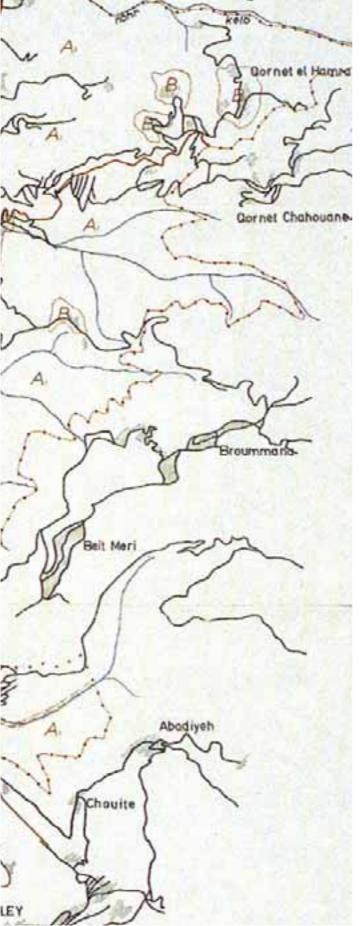
the open city

E

industry zones







#### Greater Beirut Master Plan

This Plan was also called the Echochard Plan, but Ecochard dissociated himself from the final version.

What was incorporated in the Master Plan from Ecochard's vision? Indeed, the philosophy, functional zoning which defined the location of the industrial zones and public utilities, limited densities in suburban areas and frozen constructions along beaches, seemed to vanish in a series of futile regulations.

The failure of this plan is obvious. The envisioned new town was never build. Instead, suburbs spread along main roads and along the beaches by speculation that turned virgin areas into highly commerzialized parcellation schemes.

Greater Beirut Masterplan 1964



#### Building activity | Beirut | 60s | an extract

| ARCHITECT          | AALTO<br>Alto                                   | ADDOR<br>&<br>JULLIARD                    | BIZRI<br>Amin                          | CHAYER<br>Karl                                      | ECOCHARD<br>Michel   | EDDE<br>Henry                          | IRVING<br>Anthony                     | KARAM<br>Joseph<br>Philippe | EL-KHOURY<br>Pierre                               | LECONTE<br>André                                     | MAJDAL#<br>Nadin                             |
|--------------------|---|---|--|---|--|--|---------------------------------------|-----------------------------|---|--|--|
| LIFE               | 1898<br>1976                                    | 1920<br>1982<br>(Addor)                   |  | 1900<br>1971  | 1905<br>1985   |  |                                       | 1923<br>1976                | 1930  | 1994<br>1990   | 1914<br>1978                                 |
| ORIGIN<br>ABROAD   | FINNLAND  | SWITZERLAND                               |  | POLAND  | FRANCE   |  |                                       | P                           |   | FRANCE   |  |
| ORIGIN<br>LEBANESE |   |   |  |   |  |  |                                       | Х                           | х   |  | Х  |
| BUILDINGS          | CENTRE<br>SABBAG<br>1966<br>with Alfred<br>Roth | CENTRE<br>STARCO<br>1956                  | AL-THANI<br>MAKASSED<br>school<br>1959 | AUB ALUMNI<br>CLUB<br>1953                          | LYCEE<br>FRANCAIS<br>LIBANAIS<br>1959                          | IMM.DE LA<br>De<br>L'INDUSTRIE<br>1967 | AMERICAN<br>LIFE<br>INSURANCE<br>1964 | KARAM<br>50s                | VILLA<br>PERSONELLE<br>Yarze<br>1958              | RIZK<br>HOSPITAL<br>1957                             | MAJDALA<br>1957                              |
|                    |   |   |  | HOTEL<br>CARLTON<br>1957                            | COLLEGE<br>PROT.<br>FRANCAIS<br>1955<br>avec Claude<br>Lecoeur |  |                                       | CHAMS<br>1960               |   |  | The second                                   |
|                    |   | BANQUE<br>CENTRALE<br>1962                |  |   |  | 100                                    |                                       |                             | BASILIQUE<br>NOTRE-DAME<br>DU LIBAN<br>1969       | INTERNATIO-<br>NAL AIRPORT<br>at Khalde<br>1948-1954 | MICHE<br>EID<br>1959                         |
|                    |   | PALAIS<br>PRESIDENTIEI<br>1956-65         |  | GHANDOUR<br>1959                                    | COLLEGE DES<br>ANTOINS<br>C 1960<br>with Gabriel<br>Tabet      |  |                                       | HAGE<br>1955                |   | LAZRIEH<br>OFFICE<br>BUILD.<br>1953                  | RESID.<br>BLD.<br>RBEIZ<br>à Clemeno<br>1955 |
|                    |   |   |  | SHELL<br>1959                                       | No.  |  |                                       | and the                     | BRITISH<br>BANK<br>1966                           |  |  |
|                    |   | SIEGE DE LA<br>BANQUE DU<br>LIBAN<br>1963 |  | CINEMA<br>SAROULLA<br>(hamra)<br>1961               | SACRE-COEUR<br>HOSPITAL<br>1961<br>with Henri<br>Eddé          |  |                                       | LA<br>GONDOLE<br>1962       |   |  |  |
|                    |   |   |  | OLIVETTI<br>BUILD.<br>corniche du<br>fleuve<br>1962 |  |  |                                       |                             | CITE<br>PROFESION-<br>NELLE<br>DE DEKWANE<br>1963 |  |  |
|                    |   |   |  | IMM.<br>HORSE<br>SHOE<br>1958                       |  |  |                                       | TABET<br>HOUSE<br>60s       | di.   |  |  |
|                    |   |   |  | tout avec<br>Wassek Adib<br>Bahije<br>Makdissi      |  |  |                                       |                             |   |  |  |



| AN I<br>n | MIGEON<br>Maurice              | NEEMA<br>Pierre   | NIEMEYER<br>Oscar       | MANASSEH<br>Albert<br>&    | RAYES<br>Georges   | SALAM<br>Assem                       | SEDNAOUI<br>William                    | STONE<br>Edward  | TABET<br>Antoine  | TRAD<br>Farid   | WOGENSCKY<br>André  |  |
|-----------|--------------------------------|---|-------------------------|----------------------------|--|--------------------------------------|--|--|---|---|---|--|
|           |                                |   |                         | BEKHAZI<br>Nicolas         |  |                                      |  |  |   |   |   |  |
|           |                                | 1931  | 1907                    |                            | 1915<br>2002   | 1924                                 |  | 1902<br>2009   |   |   | 1916  |  |
|           | FRANCE                         | FRANCE  | BRAZIL                  |                            |  |                                      |  | U.S.A.   |   |   | FRANCE  |  |
|           |                                |   |                         |                            | х  | х                                    |  | 1  | х   |   |   |  |
| NI        | CITÉ<br>SPORTIVE<br>1956       | SIEGE DE<br>L'EDL<br>1966   | TRIPOLI<br>FAIR<br>1960 | CASINO DU<br>LIBAN<br>1959 | IMM.DE LA<br>PAN<br>AMERICAN<br>1955                       | PAN AMERICAN<br>BUILD.<br>1955       | IMM.DE LA<br>TELE<br>LIBANAISE<br>1959 | HOTEL<br>PHOENICIA<br>INTERCONTI-<br>NENTAL<br>1961            | IMM.DE<br>L'UNION<br>NATIONALE<br>1952  | PALAIS DE<br>JUSTICE<br>1962                            | MINESTRY OF<br>DEFENSE<br>1962-1968<br>with Maurice<br>Hindié |  |
| ALL.      |                                |   |                         |                            | IMM.<br>ZAHAR<br>1958                                      | IMM.DE LA<br>BANQUE<br>INTRA<br>1960 | KHACHOGGI<br>MOSQUE<br>1968            | with<br>Ferdinand<br>Dagher<br>and Rodolphe<br>Elias           | EGLISE<br>ST.FRANCOIS<br>1955<br>avec Louis<br>Tabet  |   | HOTEL<br>Holiday Inn<br>1965-74                               |  |
| L         |                                |   | -                       |                            | IMM.RESIDEN-<br>TIEL<br>BOUTROS<br>1969                    | SERAIL DE<br>SAIDA<br>1965           |  | A A  | IMM.<br>MOBIL<br>1959<br>avec Louis<br>Tabet  |   |   |  |
| ceau      |                                | MINISTERE<br>DES PTT<br>1964<br>avec<br>J.Arctingi<br>et J.Nassar     |                         |                            | IMM.<br>ARIDA<br>1951                                      | BROUMMANA<br>HIGH SCHOOL<br>1966     |  |  | MINISTERE DE<br>LA JUSTICE<br>1965<br>avec Louis<br>Tabet   |   | LIBERTY<br>TOWER<br>1972<br>with Maurice<br>Hindié            |  |
|           |                                | MAISON DE<br>L'ARTISAN<br>O 1965<br>avec<br>J.Arctingi<br>et J.Nassar |                         |                            | GYMNASE DE<br>L'ECOLE DE<br>LA COMM.<br>AMERICAINE<br>1958 | MOSQUE OF DE<br>PINE FOREST<br>1968  |  |  |   |   | ,Í  |  |
|           |                                | and the second  |                         |                            | HOTEL<br>EXCELSIOR<br>1963<br>with Assem                   | -                                    |  | 1943 <sup>°</sup> is of<br>of Lebanc<br>with a fa<br>a spectac | od after the<br>caracterized<br>on to a reg<br>ast demograp<br>cular spatia   | d by the re<br>ional Metro<br>phical gro<br>al extensio | esignment<br>opolis<br>wth and<br>on. With                    |  |
|           | PAN AMERICAN<br>BUILD.<br>1955 | CENTRE<br>CONCORDE<br>1972  |                         |                            | Salam & Theo<br>Kanaan                                     | CENTRE<br>GEFINOR<br>1970            |  | 1958 a la<br>aspiring<br>metropoli<br>troduced.<br>that will   | president Fouad Chehab being elected<br>1958 a large scale reform programm,<br>aspiring to make Beirut the largest<br>metropolis of the region is being in-<br>troduced. In 1960 a new decade starts,<br>that will go through a real trans-   |   |   |  |
|           |                                |   |                         |                            |  |                                      |  | fabric. T<br>engineeri<br>It mainly<br>comprisir<br>the Centr  | formation and expansion of the urban<br>fabric. The government launches many<br>engineering and architecture contest<br>It mainly includes a construction pl<br>comprising many public buildings lik<br>the Central Bank Headquarters, sever<br>ministries, and the port expansion. |   |   |  |
|           |                                |   |                         |                            |  |                                      |  | 1963 the<br>(DGU) is<br>with urba                              | es, and the<br>General Di<br>established<br>an planning<br>projects   | rection of<br>d, wich is                                | Urbanism<br>charged   |  |





|     | 1 J J   |
|-----|---------|
| the | sixties |
|     |         |

.....

background development of badaro | raoucheh since the 20's investors | inhabitants | renters the sixties development of the ground floor building laws building catalogue of sixties architecture sunshields building orientation materials during wartime current situation

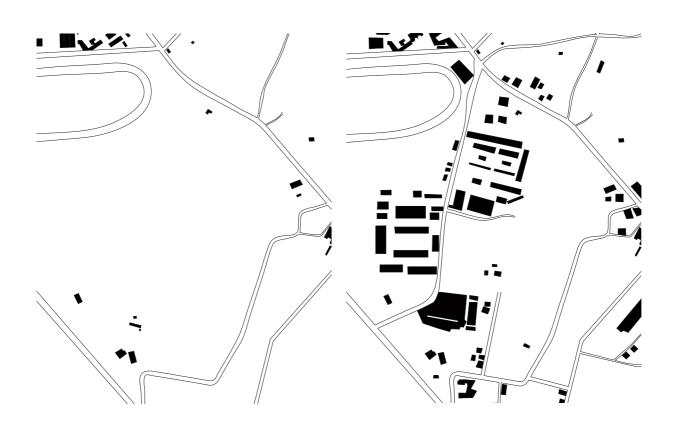


Badaro development since 1926

Badaro is a residential neighborhood planned by developpers in the mid 1950's along the eastern border of Horsh Bayrut (Beirut's Pine Forest) that was planted by Emir Fakhreddine in the 17th century to stop the advancement of the southern sands into the city of Beirut situated North. The first inhabitants were Christians and Druze. The neighborhood demographics changed after the mid 1960's when numerous wealthy Christian families from Aleppo and Damascus in Syria fled their country due to the nationalization laws and settled in Badaro.

1926

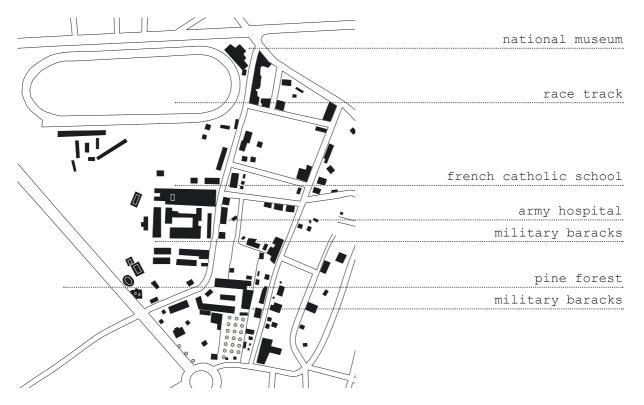
1943





Land freed by army with a big French military zone full of military baracks and the military hospital.

# 1961

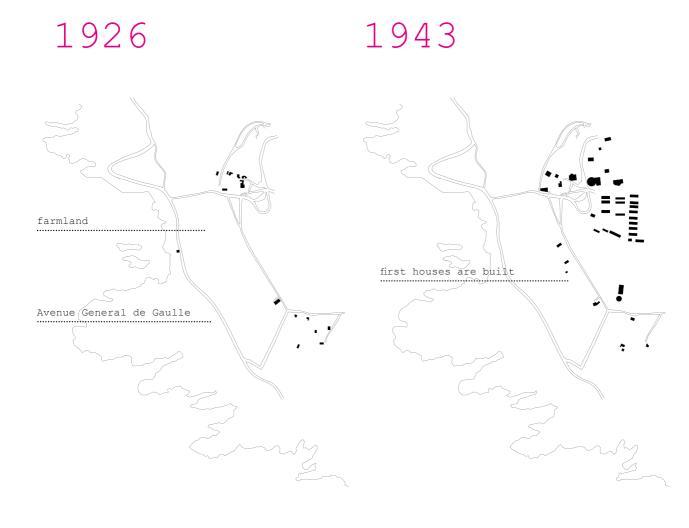


The development of Badaro was based on a plan by a group of developpers (Faritrad architect and others). They bought the land from the army and proposed a plan to the General Director of Urban planning. A big influence on the constructions had the former French law of hight restriction and the continuum of strict building laws.

Interview with Jad Tabet, Architect and Urbanist. October 2009 Studio Bacel. DEVELOPMENT OF BADARO THE SIXTIES 25

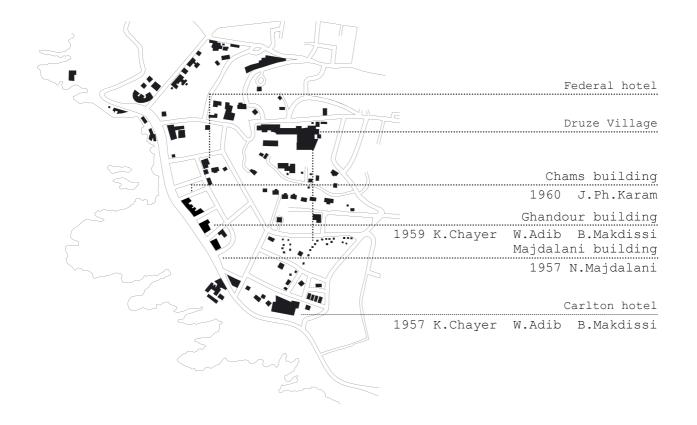
#### Raoucheh development since 1926

The city expansion of Beirut followed, starting with the city center, in a circular way and rather towards the heartland. At the beginning of the 20th century the sea was used as an infrastructure for trade and waste disposal. It was not until the 1950s that the seaside was discovered as a quality and building activity started.





# 1961



There was never a public urban plan for the area of Raoucheh. In Raoucheh it was more about the object and the space in between.

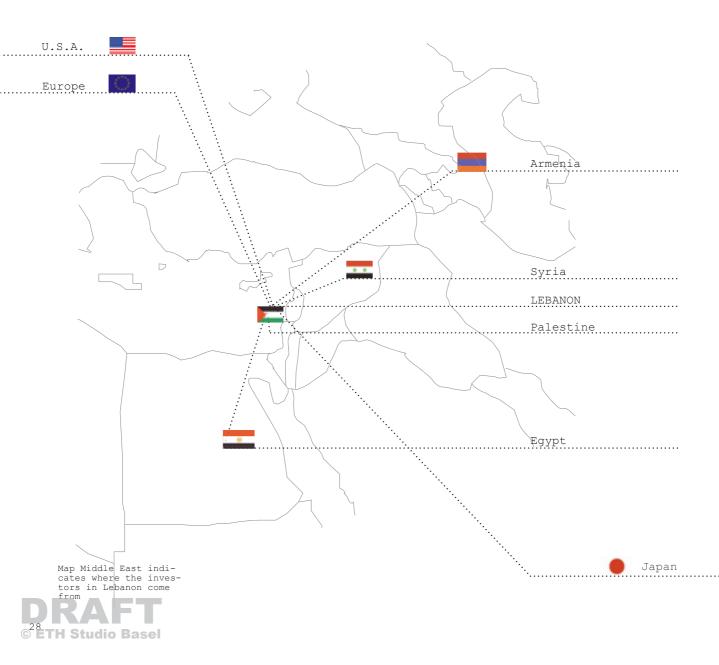
Interview with Jad Tabet, Architect and Urbanist. October 2009 Studio Basel. DEVELOPMENT OF RAOUCHER, THE SIXTIES 27

tudio Basel

#### Investors

In the countries around Lebanon political changes were going on during this period of time. Poor people got into refugeecamps, wealthier, educated refugees started to invest. Why did they invest in Beirut?

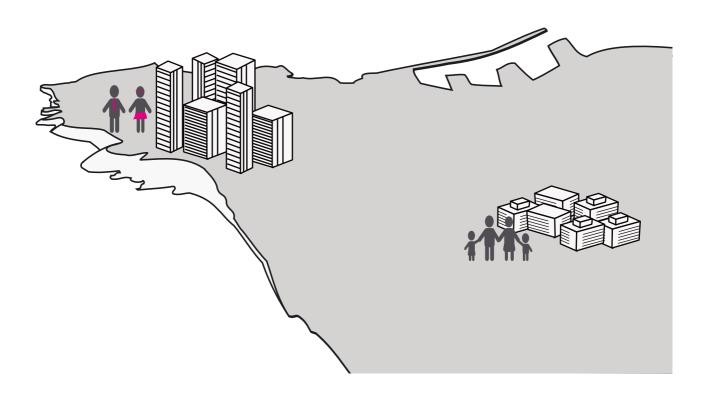
Because it was THE modern City in the Middle East. It was still an arabic country, but everything was possible.



#### Why Raoucheh and Badaro?

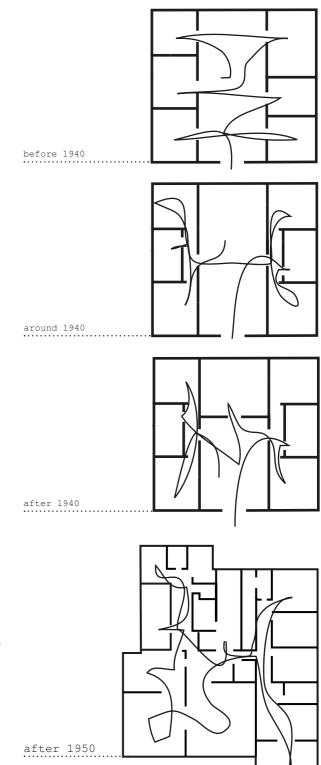
The investors in Raoucheh were Lebanese, Syriens, Palestiniens, some Americans and few Europeans.They invested in hotels and in appartements. It wasn't difficult to lend furnished appartements.

The people who moved to Raoucheh were not concerned about the religious environement, everything was only about modern lifestyle. At the close AUB (American University of Beirut)and the Hamrastreet, modern life already took its place. Furthermore Raoucheh is situated on the coastline, the modern Lifestyle, not only the buildings, took its place.



In Badaro the investors were Lebanese, Syrien, Palestinien and Armenien. The people who moved there wanted to move into a quiet family area where they could educate their children in French.

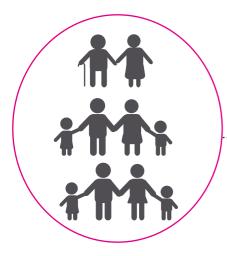
#### Change of typology

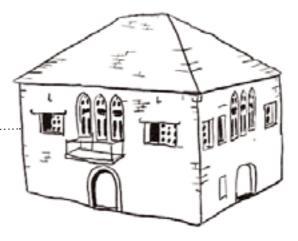


The change from a traditional home to a modern building had different influences. The traditional floor plan was designed the way that all rooms were arranged around the main hall were the family life took place. The first adaption was made before the 40's. They built a corridor to the rooms, in order that only one door was facing the main hall. Before the 50's the main hall was cut into different rooms, the entrance and the dining room were not in the same space anymore. In the building of the sixties the organisation of the rooms changed. More privacy was possible.

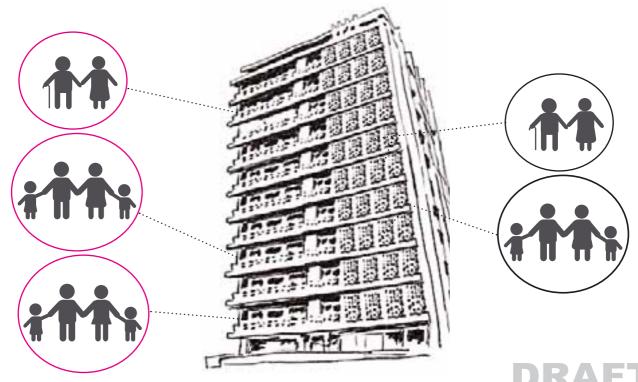


extended family
(traditionally)



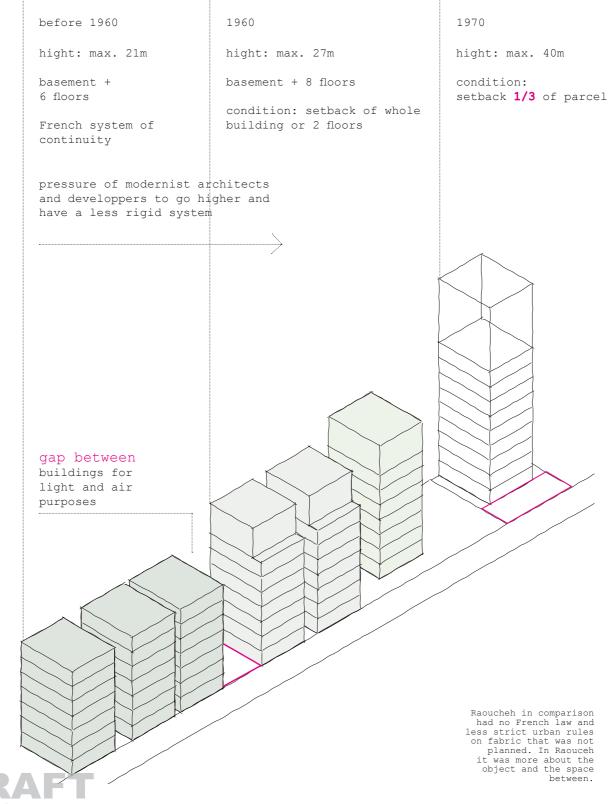


nuclear family
(modern)



CHANGING OF TYPOLOGY THE SIXTIES 31

## Building legislation Badaro



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ADDRESS

BUILDING CATALOGUE OF 60s ARCHITECTURE

ARCHITECT

YEAR

ORIGINAL SPACE ALLOCATION PLAN

CONTEMPORARY SPACE ALL. PLAM

FLOORS





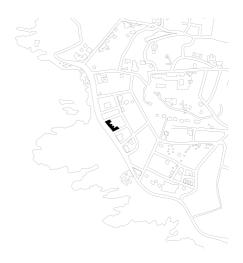


Chams building **DRAFT** © ETH Studio Basel

| ADDRESS                        | General de Gaulle road, Raoucheh |
|--------------------------------|----------------------------------|
| ARCHITECT                      | Joseph Philppe Karam             |
| YEAR                           | 1960                             |
| ORIGINAL SPACE ALLOCATION PLAN | residential building             |
| CONTEMPORARY SPACE ALL. PLAM   | restaurants, offices             |
| FLOORS                         | 8                                |







east facade



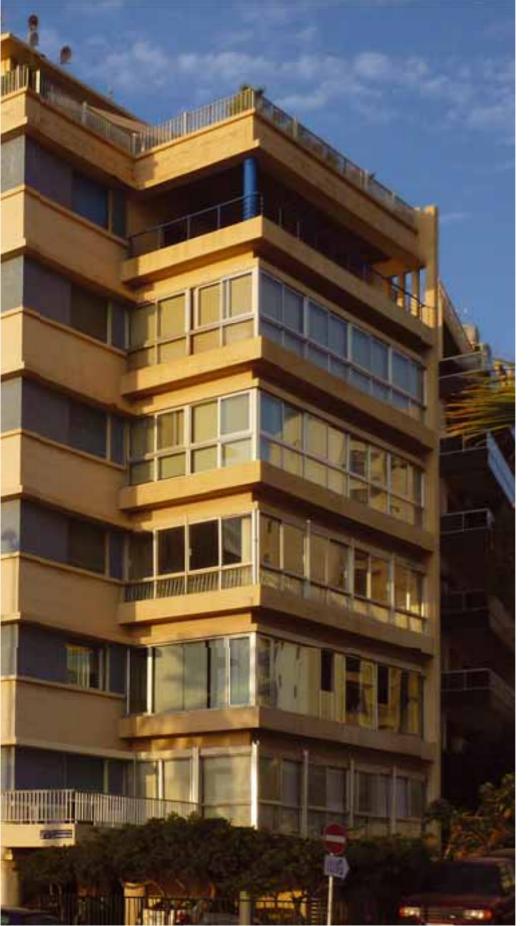




top floor







Majdalani building **DRAFT** © ETH Studio Basel

| ADDRESS                        | General de Gaulle road, Raoucheh   |
|--------------------------------|------------------------------------|
| ARCHITECT                      | Nadim Majdalani                    |
| YEAR                           | 1957                               |
| ORIGINAL SPACE ALLOCATION PLAN | apartments, restaurant Scotch Club |
| CONTEMPORARY SPACE ALL. PLAM   | restaurants, Audi Bank             |
| FLOORS                         | 8, 2 apartments per floor          |





east facade





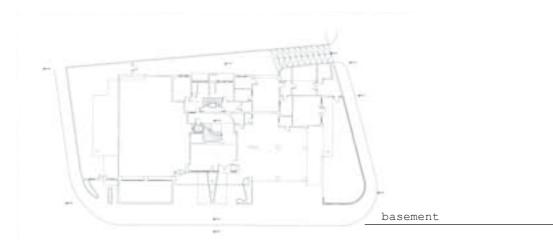
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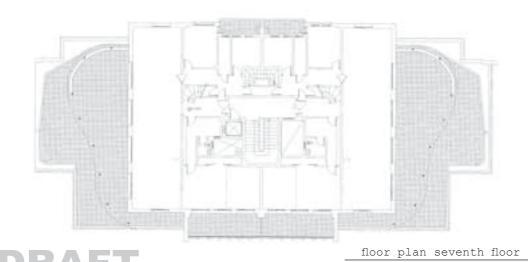
main facade





sunshields





4 ETH Studio Basel







| ADDRESS                        | General de Gaulle road, Raoucheh          |
|--------------------------------|---|
| ARCHITECT                      | Karl Chayer, Wassek Adib, Bahije Makdissi |
| YEAR                           | 1959                                      |
| ORIGINAL SPACE ALLOCATION PLAN | apartments                                |
| CONTEMPORARY SPACE ALL. PLAM   | apartments                                |
| FLOORS                         | 12  |





east facade

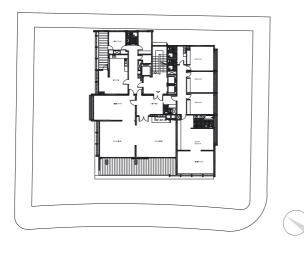






renovated front facade

BUILDING CATALOGUE THE SIXTLES 49

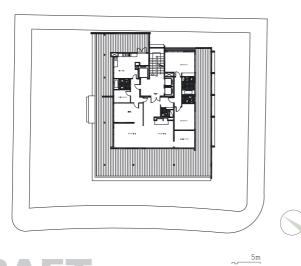


floor plan TF

archive George Arbid, drawn by Roula Idris



sunshields



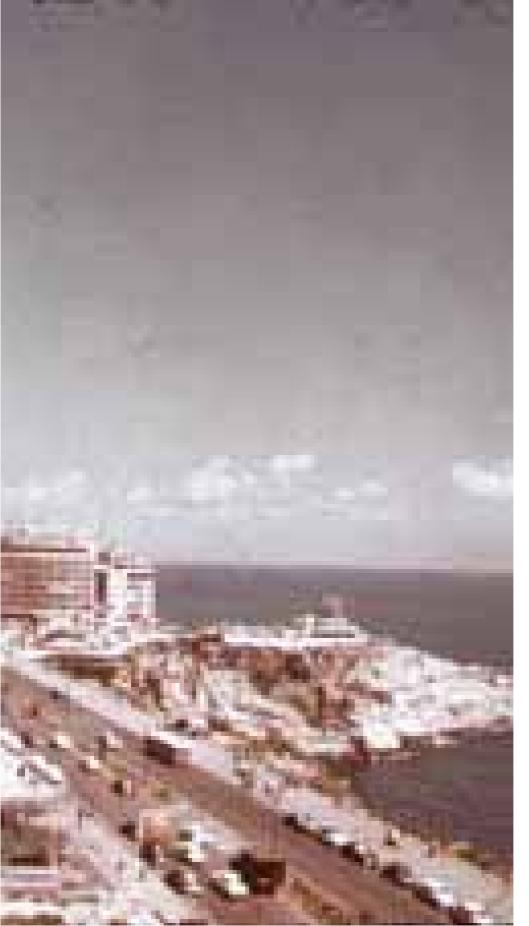


floor plan LF

archive George Arbid, drawn by Roula Idris







Shell building DRAFT © ETH Studio Basel ADDRESS

ARCHITECT

YEAR

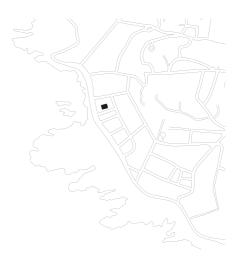
ORIGINAL SPACE ALLOCATION PLAN CONTEMPORARY SPACE ALL. PLAM

## FLOORS





| General de Gaulle road, Raoucheh          |
|---|
| Karl Chayer, Wassek Adib, Bahije Makdissi |
| 1959                                      |
| apartments                                |
| apartments, coral petrol station          |
| 19  |
|   |

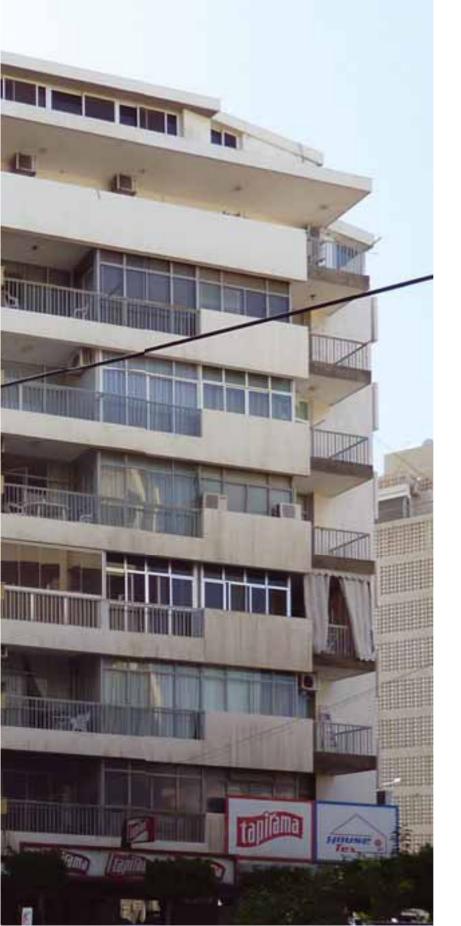


east facade

south facade & front facade









| ADDRESS                        | George Catroux road, Badaro  |
|--------------------------------|------------------------------|
| ARCHITECT                      | ?                            |
| YEAR                           | 1960s                        |
| ORIGINAL SPACE ALLOCATION PLAN | apartments                   |
| CONTEMPORARY SPACE ALL. PLAM   | apartments, shop, restaurant |
| FLOORS                         | 9                            |

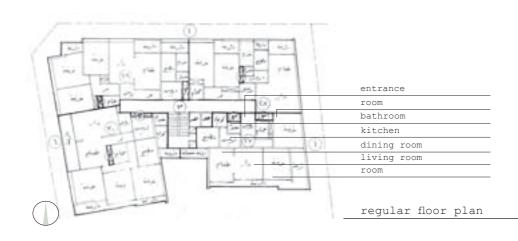


forbidden to take a picture military base right beside

east facade









renovated apartment







ARCHITECT

YEAR

ORIGINAL SPACE ALLOCATION PLAN CONTEMPORARY SPACE ALL. PLAM FLOORS

| Badaro street (Hage building, today Badaro Inn) |
|---|
| Joseph Philippe Karam                           |
| 1955  |
| apartments and the Badaro Inn restaurant        |
| apartments                                      |
| 8   |







east facade





west facade

balconies







| ADDRESS                        | Alam street, Badaro                              |
|--------------------------------|--|
| ARCHITECT                      | Joseph Philppe Karam                             |
| YEAR                           | 1960   |
| ORIGINAL SPACE ALLOCATION PLAN | apartments and the architects personal residence |
| CONTEMPORARY SPACE ALL. PLAM   | apartments                                       |
| FLOORS                         | 7 and a rooftop garden (part of architects ap.)  |



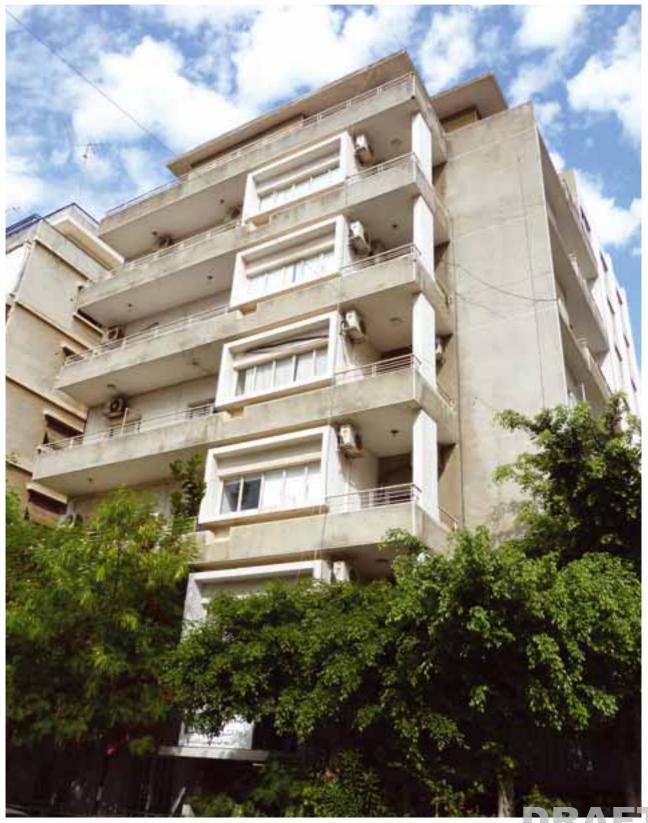




east facade

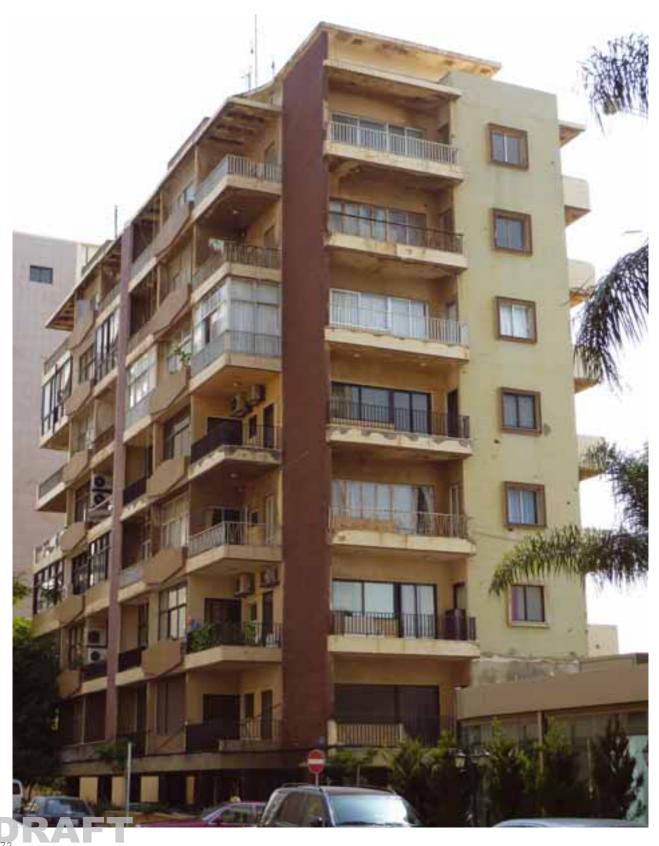












© ETH Studio Basel



### Sunshields

shadow angles

horizontal & vertical shadow angle

$$\begin{split} \delta &= \text{horizontal shadow angle} \\ \gamma &= \text{solar altitude angle} \\ \varepsilon &= \text{vertical shadow angle} \\ \text{tan } \varepsilon &= \text{tan } \gamma \text{ x sec } \delta \end{split}$$

shading devices

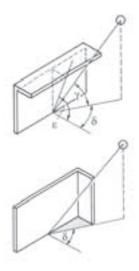
vertical shading devices

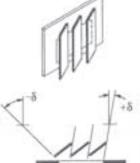
**DRAFT** <sup>7</sup>4TH Studio Basel The performance of shading devices is specified by two angles: the horizontal and the vertical shadow angle. These both measured from a line perpendicular to the elevation, and indicate the limit, beyond wich the sun would be excluded, but within the sun would reach the point considered. The horizontal shadow angle characterises a vertical shading device, and it is the difference between the solar azimutz and wall azimuth, same as the horizontal component for the angle of incidence. The vertical shadow angle characterises a horizontal shading device, e.g. a long horizontal projection from the wall, and it is measured on a vertical plane normal to the elevation considered.

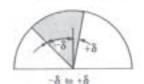
Vertical devices consist of louvre blades or projecting fins in a vertical position. The horizontal shadow angle measures their performance. Narrow blades with close spacing may give the same shadow angle as broader blades with wider spacing.

This type of device is most effective when the sun is to one side of the elevation, such as an eastern or western elevation.

A vertical device to be effective when the sund is opposite to the wall considered, would have to give almost complete cover of the whole window.





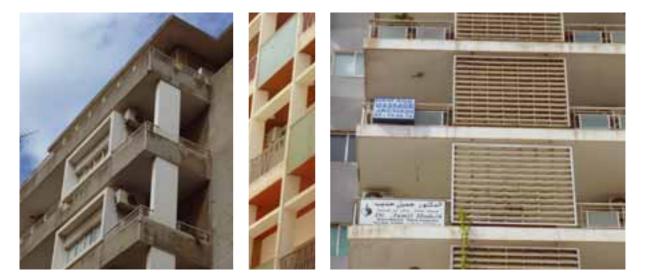








-90\* to -8 and +8 to + 90\*



sunshields



vertical shading



horizontal shading devices

Horizontal devices may be canopies, horizontal louvre blades or externally applied venetian blinds. Their performance will be measured by a vertical shadow angle. The shading mask is of a segmental shape as shown. These will be most effective when the sun is opposite to the building face considered and at a high angle, such as for north and south facing walls. To exclude a low angle sun, this type of device would have to cover the window completely, permitting a

view downwards only

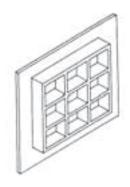






egg-crate shading devices

Egg-crate devices are combinations of horizontal and vertical elements. The many types of grille-blocks and decorative screens may fall into this category. Here it shows the method of constructing the shading mask for a moderately complex shape. These can be effective for any orientation depending on detail dimensions.











horizontal shading

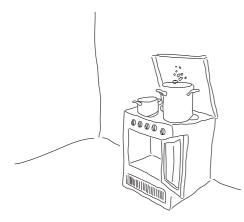


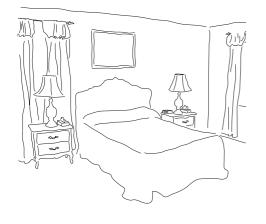
egg-crating shading



### Building orientation

## Climate response of the 60s buildings.







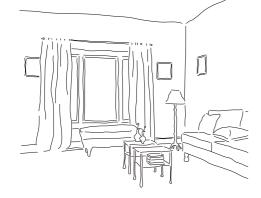
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kitchens usually oriented North-East

Bedrooms are usually oriented versus the East or Eastern-South so that they are not hit by the sun in the afternoon, because when you come to sleep in the evenings then you will have an accumulation of heat comming inside the room. So rooms are East and South when possible.

The wind comes from the South and the South-West, so it blows trough the hall and ventilates the whole house and goes through the Northern fassade.

> Interview with George Arbid, Doctor of Design, Architect, Professor at the AUB, in october 2009 Beirut.





### Materials



Reinforced concrete, concrete blocks, slabs, colums, beams, all produced locally



There was also the culture of import of materials mostly for finishings like 'pâte de verre' (glass paste).



The railings were in the 50's and 60's mostly made out of **steel**, that was painted, except for some that are on the seaside obviously for maintenance purposes quickly were replaced by alumnium, as the example shown (Majdalani building, Raoucheh) or sometimes by concrete because they don't need maintenance by the water, wheras steel needed maintenance constantly. This is why around the 70's one starts to see more aluminium and glass railings for terraces, balconies and such things.





Terrazzo, in Lebanon called **mosaic** (concrete with crushed stones or marble and chips)

They had the most trendiest material in Beirut during this period, material that nobody had used before and the people selling those materials were very good at convincing architects that this was the trendiest, the last thing that arrived and the clients also wanted to be distinguished with the use of those elements.

ORIENTATION, MATERIALS THE SIXTLES 79



| the sixties          |  |           |  |  |
|----------------------|--|-----------|--|--|
|                      |  |           |  |  |
|                      |  |           |  |  |
|                      |  |           |  |  |
| back-<br>ground      |  |           |  |  |
| the<br>sixties       |  |           |  |  |
| during<br>wartime    | map greenline   religions   short war-overview<br>illegal souks in raoucheh<br>facades with war effect |           |  |  |
| current<br>situation |  |           |  |  |
|                      |  |           |  |  |
|                      |  |           |  |  |
|                      |  | D<br>© E1 |  |  |



### Inter war time

| Moslems |              |  |  |
|---------|--------------|--|--|
| •••••   | ••••••       |  |  |
| 1970    | ) in Lebanon |  |  |
| 50%     | Moslems      |  |  |
| 23%     | Sunni        |  |  |
| 23%     | Shia         |  |  |
| 4%      | Druze        |  |  |
|         |              |  |  |
| 1980    | )            |  |  |
| 42%     | Moslems      |  |  |
| 19%     | Sunni        |  |  |
| 18%     | Shia         |  |  |
| 5%      | Druze        |  |  |
|         |              |  |  |
| 1990    | )            |  |  |
| 60%     | Moslems      |  |  |
| 26%     | Sunni        |  |  |
| 27%     | Shia         |  |  |
|         |              |  |  |

7% Druze

### Raoucheh

#### 1982

August: second Israeli invasion, bombing west Beirut

September: Israeli troops invade West Beirut, the first time an Israeli force enters an Arab capital



January 1976

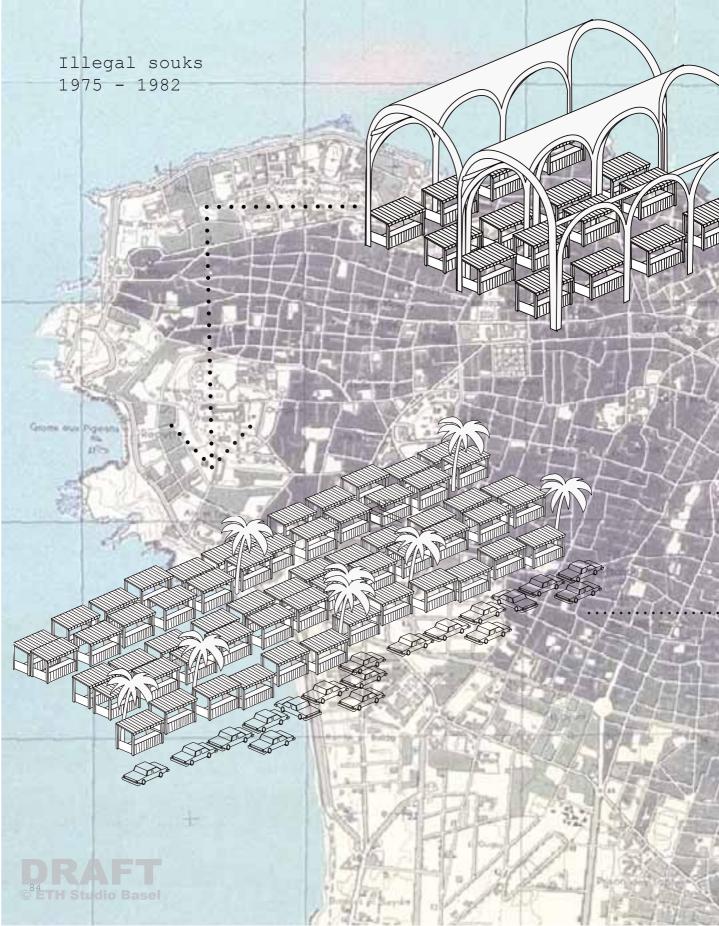
### Greenline Lebanese army breaks up into Muslim and Christian part Christian ..... 1970 in Lebanon 50% Christian mostly Maronites 1980 58% Christian 30% Maronites 7% Catholics 11% Orthodox 8% Armenians 1990 40% Christian 23% Maronites 7% Greek Orthodox 5% Greek Catholics 5% Armenians

#### Badaro

was directly on the Green Line. Many of the buildings along the Green Line were severely damaged or destroyed during the war. Not so in Badaro because of the military hospital being situated there. The buildings have wholes from the shootings but no bombs were dropped there. The most damaged walls are on the Australianroads on the south side, where the Syrians came.

.....





Before the war, the souks were situated in the center of town, close to the harbour. The different shops were placed in big halls. After the outbreak of the war, the shop owners left the center, as it got much too dangerous there.

Pert de lleggouth

...............

By and by, there grew an illegal market at the Corniche on the wide boulevard, along the General de Gaulle street. The spots were occupied illegally and later rented to others as well. This went on till the attack of the Israelis in 1982.

(CHARLEN COLIMP)

Forn ech Chebbak

CHEH BEFORE THE ISRAELI INVASION

Sin



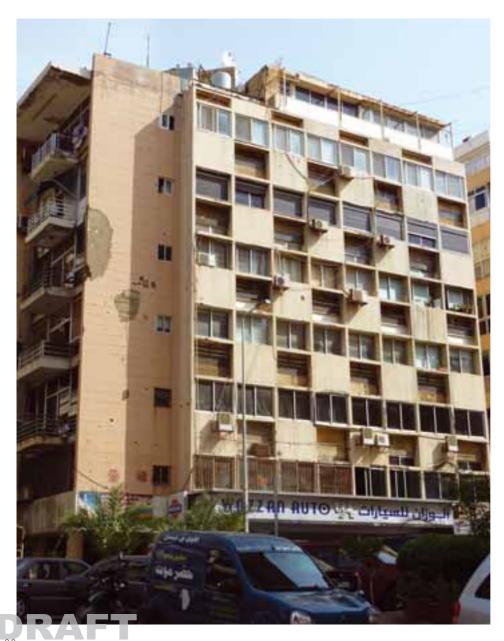
left: one of the houses in the very south of Badaro right: temporary use of a damaged building







left and right: Buildings destroyed by bullets



left: the building used to have balconies, they closed them after the first bomb dropped next to it right: a useless building since the war

©<sup>90</sup>ETH Studio Basel





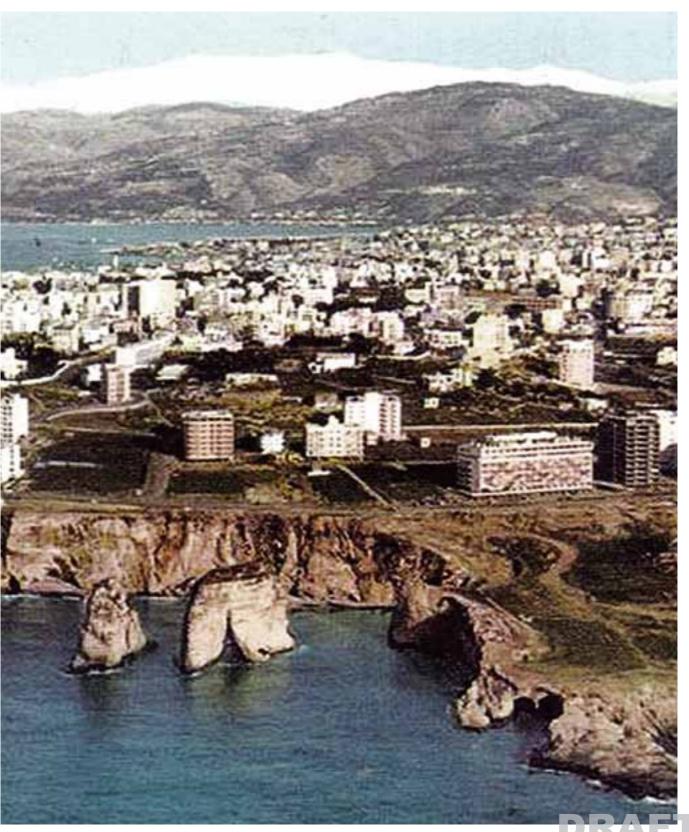
# the sixties

background the sixties during wartime raoucheh | badaro | today compared with the 60's current infrastructure today situation coastline raoucheh raoucheh badaro what happens to the buildings from the 60's? buildings activity current situation





<sup>94</sup>ETH Studio Basel







### Burger King

Mövenpick Hotel



COASTLINE RAOUCHE

### Raoucheh

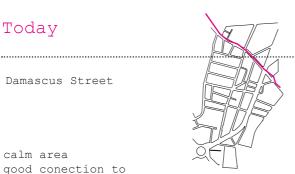
|   | Today   | 60′s   |
|---|---|--|
| Connection to<br>the Citycenter                 | Rue General de ,<br>Gaulle  | Rue General de<br>Gaulle   |
| Attraction                                      | Coast, View<br>Place to invest<br>Money<br>arabic spoken<br>country, muslim<br>part, but liber-<br>eral, ideal for<br>holiday   | Coast<br>Lifestyle<br>View   |
| Religion  | Muslim  | Mixed, Religion<br>didn't play a<br>role   |
| People  | <ul><li>P. Never moved, so the rent<br/>stayed the same since 40 years.<br/>he has his office in the same<br/>building, in an empty flat</li><li>K. Always lived there and never<br/>left. big apartment, seaview<br/>like it wouldn't be possible<br/>somewhere else</li></ul> | <ul><li>P. Escaped with his familiy<br/>from Palestine in the 50's.<br/>wealthy, wanted to live near<br/>AUB because he wanted that<br/>his children get educated<br/>there.</li><li>K. His grandfather built the<br/>building which he is liv-<br/>ing in. downstairs they used<br/>to have a restaurant called<br/>Scotch Club</li></ul> |
| Building uses                                   | apartments, offices,<br>hotel, fast food  | apartments, fur-<br>nished apartments,<br>hotels, restaurants,<br>clubs  |
| Investors                                       | Saudi- Arabien<br>people with 'OIL<br>MONEY', in huge ap-<br>partements   | Wealthy educated people from<br>the countries around Lebanon,<br>which are looking for modern<br>lifstyle  |
| Personal feeling<br>in this part of<br>the city | People were friendly<br>but askant. They<br>kept asking what we<br>are doing, why we<br>are here.   |  |

Contraction of the second seco

### Badaro

### Today

Damascus Street



calm area good conection to the city french schools not muslim teritory, pine tree street

### 60's

Damascus Street

.....

new buildings for modern living

Christian

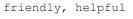
R. She moved with her husband and her son there 2 years ago. They have a mixed marriage, so they want to live in a neutral environment. I. lives here with his family. It is possible to have a huge flat which he couldn't affort somewhere else S. lives here with his wife. moved back from greek 2 months ago. chose to live here, because good neighborhood apartmens, offices, groundfloor stores

Mostly Christian

S. opend a shop here. he still has his buisness and his flat here. he left during the war once 2 days.

apartments, ground floor

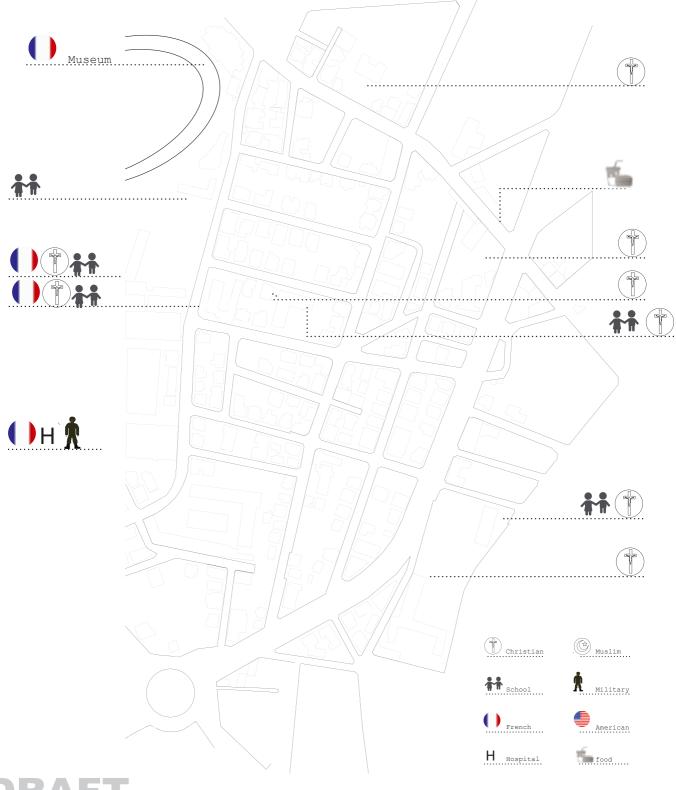
Wealthy educated people from the countries around Lebanon, which are looking for a quiet place



?



### Infrastructure today







# Raoucheh



The Pigeon rocks

<sup>102</sup> CETH Studio Basel



















## Badaro





















What happens to the buildings from the 60's?

Preservation? NO, not from an official site, rarely private examples.

Ħ

Renovation? Inside, some outside, but not in a sixties way.

Empty? A few, others are temporarily used or there is a change of the original use.

Appraisal? People who have money invest in new buildings and not in old ones.

.

# One reason why buildings do not get renovated



RENTING LAW

The owner could elevate the rent only as soon as the hirer of the apartment changed.

Fazit: some inhabitants pay still a 400 dollars rent a year. Having a low income, the owner is not willed to invest.

In the 90s they changed the Law: Determinable lease contracts for a minimum of 3 years are possible, what gives the owner the liberty to argument the rent before the renewal of the contract.





ENE!

WHAT HAPPENS TO TH

#### Change of uses

original space allocation plan: apartmets

today: offices & apartments reason: people, predominantly high class people left during wartime and built up their new life somewhere else and didn't come back. Now they are renting out the apartments of their buildings, also as offices.







WHAT HAPPENS TO THE BUILDINGS C

### demolished, abandoned temporary uses

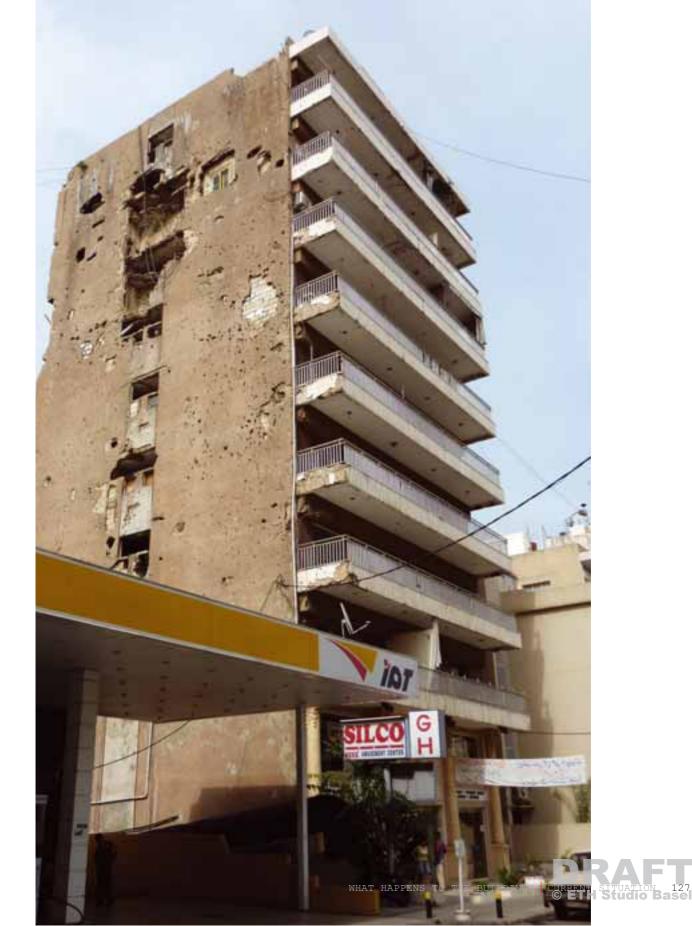
original space allocation plan: apartments

today: demolished & abandoned

except the groundfloor, where the owner made up a new facade including pillars to use the groundfloor as an antiquities-shop.



© ETH Studio Basel



#### demolished, abandoned, for sale

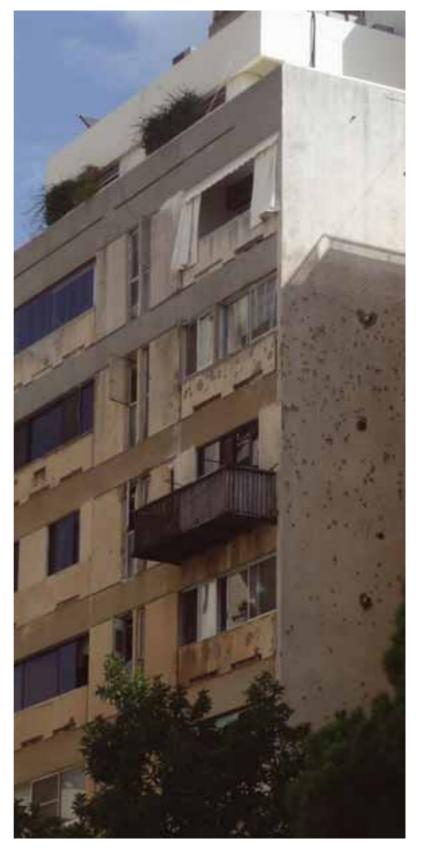
situated in: Badaro Alam street

original space allocation plan: apartments

today: demolished &
abandonned & for sale







### renovated apartments

situated in: Badaro Alam street

original space allocation plan: apartments

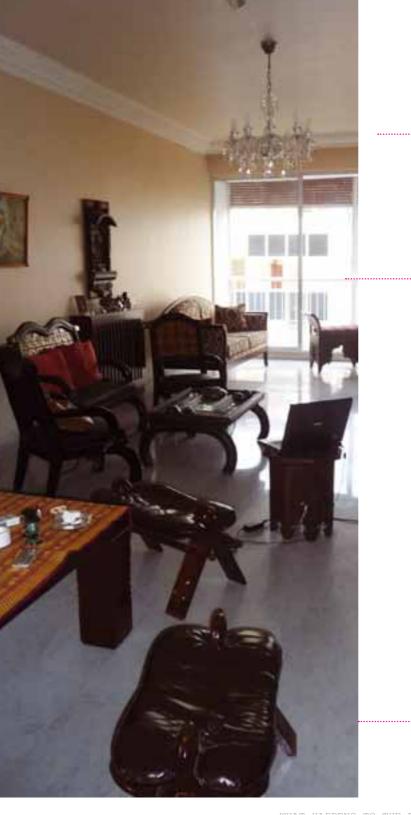
today: different condominium owners, wich renovate the inside of their apartments according to their own taste. But on the outside nothing is done.



stucko

minimized balcony to gain more square meters inside

marble





#### renovated buildings

situated in: Raoucheh General de Gaulle street

original space allocation plan: apartments, at the groundfloor the Scotch Club, a fancy restaurant designed by Jean Royère

today: apartments, Audi Bank

The architect Majdalani moved in the 60s out of the city where he built to live with his family. As owned and still inhabited by the whole family it's easy to make decisions about renovation. This happened 10 years ago (1999) with the materials of concrete and white cement, with sand and blue mosaic. The family renovated the building like it was.

1. Majdalani building before the renovation













| ADDRESS              |
|----------------------|
| ARCHITECT DEVELOPPER |
| PROJECT START        |

FLOORS

PRIZES

General de Gaulle road, Raoucheh

A&H Construction and Development

32 / 1 ap. per floor / 575m2 per ap.



east facade

north facade & front facade

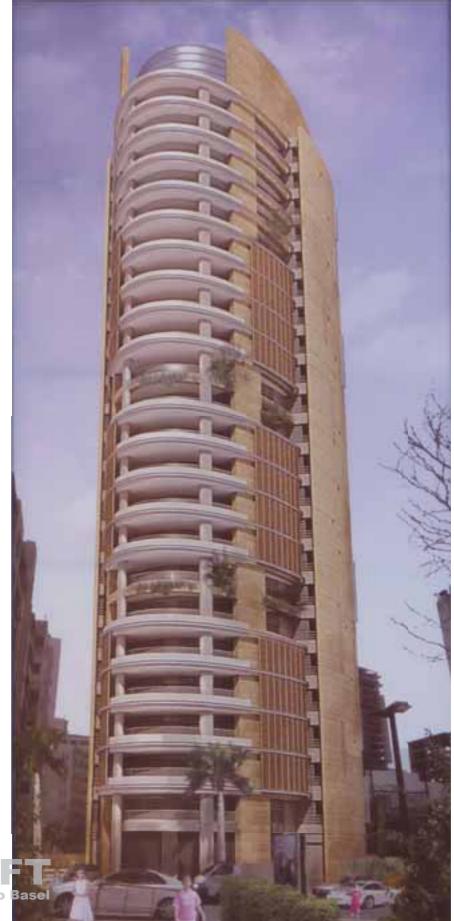


typical ground floor



project status











| ADDRESS              | General de Gaulle road, Raoucheh                    |
|----------------------|---|
| ARCHITECT DEVELOPPER | Ashour Engenineer                                   |
| PROJECT START        | 13.06.2009  |
| FLOORS               | 22 / 325m2 - 65m2 per ap.                           |
| PRIZES               | floor 1-11 1'750'000\$ - 2'250'000\$, floor 12 - 22 |
|                      | 4'700'000\$ - 5'300'000\$ (already sold)            |



ground floor 1-11





ground floor 12-22





# Carlton Residences



ADDRESS

ARCHITECT DEVELOPPER

FINISHED

FLOORS

PRIZES







east facade

General de Gaulle road, Raoucheh

floor plan

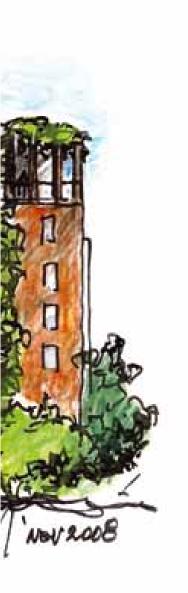


project status









Badaro Gardens



| ADDRESS              | Badaro street, Badaro                              |
|----------------------|--|
| ARCHITECT DEVELOPPER | FFA Real Estate                                    |
| FINISHED             |  |
| FLOORS               |  |
| PRIZES               | 2 buildings with 7 floors, 1 build. with 17 floors |





east facade





floor plan, 3rd to 11th floor







#### Conclusion

Is taste influenced by education? Were people who invested 50 years ago more educated than those today?

Is one allowed to say that money earned with oil is stupid money?

If Hezbollah had settled down south east instead of south west of Beirut, would Raoucheh be more intresting to invest in, because there wouldn't be a direct connecting street?

Is the movement today comparable to the one in the sixties? Do most investors origin from countries around, because Lebanon is still the most liberal arabic country?

Is Raoucheh turning to a ghost city with cold beds?

Why are the most fancy quarters today Achrafieh and Jamaizie and not Raoucheh anymore?

Would Raoucheh be different, if it had belonged to the Christian part during and after the war?

Is the chance that buildings from the sixties get renovated in Badaro bigger, because people bought a flat and already invested money in an apartment?

Is the return of students, who studied in the West during the French Mandate, comparable with today's returning students? Do the currently returning students trigger a new "swinging" / "lifestyle-feeling"?





# IMAGE CREDITS

### SOURCES

#### Cover

Modern Beirut, New Raoucheh quarter facing the Pignon Rocks, pub. by Jack P. Dadian, Krüger Beirut

google search images

Plan de Beyrouth et ses Banlieus Portrait de Ville Beyrouth de l'Institut Francais d'architecture, p. 30

Les elements de l'aménagement: M. Echochard Portrait de Ville Beyrouth de l'Institut Francais d'architecture, p. 30

All Postcard from the 60's published by Jack Dadian, Kodak, Beirut

Khalaf, Samir, Philip S. Khoury: Recovering Beirut. E.J. Brill, Leiden 1993.

Koenigsberger, O.H., T.G. Ingersoll, Alan Mayhew, S.V. Szokolay: Manual of Tropical Housing and Building, Part 1 Climatic Design. Longman Group Limited, London 1973.

Tabet, Jade, Marlène Ghorayeb, Eric Huybrechts, Eric Verdeil: Portrait de Ville Beyrouth. Institut francais d'architecture, Paris 2001.

Yacoub, Gebran: *Histoire de l' Architecture au Liban*. Alphamedia, Beirouth 2005. http://the-arab.blogspot.com/2009/10/memories-of-glitz-glamour.html http://www.youtube.com/watch?v=cu6o6T3wdL 4&feature=player embedded

http://www.badarogardens.com
http://www.ah-development.com/
http://www.ashoureng.com/



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TH Studio Basel Contemporary City Institute Regula Schweizer Stephie Pfenninger

ć

Prof. Jacques Herzog Prof. Pierre de Meuron Manuel Herz Shadi Rahbaran Ying Zhou

> THE MIDDLE EAST STUDIO Wintersemester 2009

