

# Enas Bitar

*Architect & Facade Designer*

I turn design intent into building envelopes that can be made and built:  
modeled, detailed and coordinated, from Lebanon, for teams anywhere.

|                                   |                           |                     |
|-----------------------------------|---------------------------|---------------------|
| MODELING<br>ARCHITECTURE<br>SINCE | MASTER OF<br>ARCHITECTURE | CURRENT FACADE WORK |
| 2019                              | 2023                      | Aluminium & glass   |

OPEN TO ROLES AS FACADE BIM MODELER · FACADE DESIGNER ·  
REVIT BIM MODELER

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# Practice

## D1

### Facade detailing

Aluminium and glass envelopes, taken from design intent down to the profile, the joint and the fixing, so what is drawn is what gets built.

## D2

### Drawing sets

Complete, coordinated sets of plans, elevations and sections, from existing conditions to the new design, that a contractor can build from.

## D3

### 3D & visualization

Models and photoreal renders in 3ds Max with V-Ray and in Lumion, used to check a detail as much as to win over a client.

## D4

### Plans & small spaces

Small spaces turned into homes that are functional yet beautiful, with the plan worked around the orientation, the client's wishes and how each room is used.

Drawings from my current facade projects belong to my employer, so they are not shown here. I am happy to walk you through the work on a call.

## WORKING WITH ME

### HOURS

Beirut time (UTC+2/+3), overlapping most of the European and Gulf workdays.

### LANGUAGES

Arabic (native) and English (fluent).

### ENGAGEMENT

Full-time roles or long-term contracts, paid through an employer-of-record or contractor platform.

### TEAMWORK

The day's tasks agreed and split with the team each morning; solving problems together is the part of the work I enjoy most.

## EXPERIENCE

**Architect, aluminium & glass facades** · Lebanon · Current

**3D artist, freelance** · Lebanon · 2019 – 2022

## EDUCATION

**Master of Architecture** · Lebanese University, Faculty of Fine Arts and Architecture · 2022 – 2023

**Bachelor of Architecture** · Lebanese University · 2021

**Full-stack web development** · 4Finance Training Center · 2022

## TOOLS

**BIM & CAD:** Revit, AutoCAD 2D & 3D, SketchUp, 3ds Max

**Visualization:** V-Ray, Lumion, Photoshop

**Code:** C#, .NET, JavaScript, TypeScript, React, MySQL, Git

# A Khan for Tripoli's Children

My master's final project: a 300-year-old Ottoman soap factory and seven old shops, reworked into a school, home and craft workshop for children who had left school.

|                                                                  |                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------|
| PROJECT<br>Children Rehabilitation Centre                        | LOCATION<br>Zahriyeh, Tripoli, Lebanon                      |
| YEAR<br>2022 – 2023                                              | TYPE<br>Education, care and craft training · adaptive reuse |
| ROLE<br>Sole designer: research, design, drawings, visualization | PROGRAMME<br>Lebanese University · M.Arch final project     |
| SUPERVISOR<br>Dr. May Karameh                                    |                                                             |

## WHAT THIS SHOWS

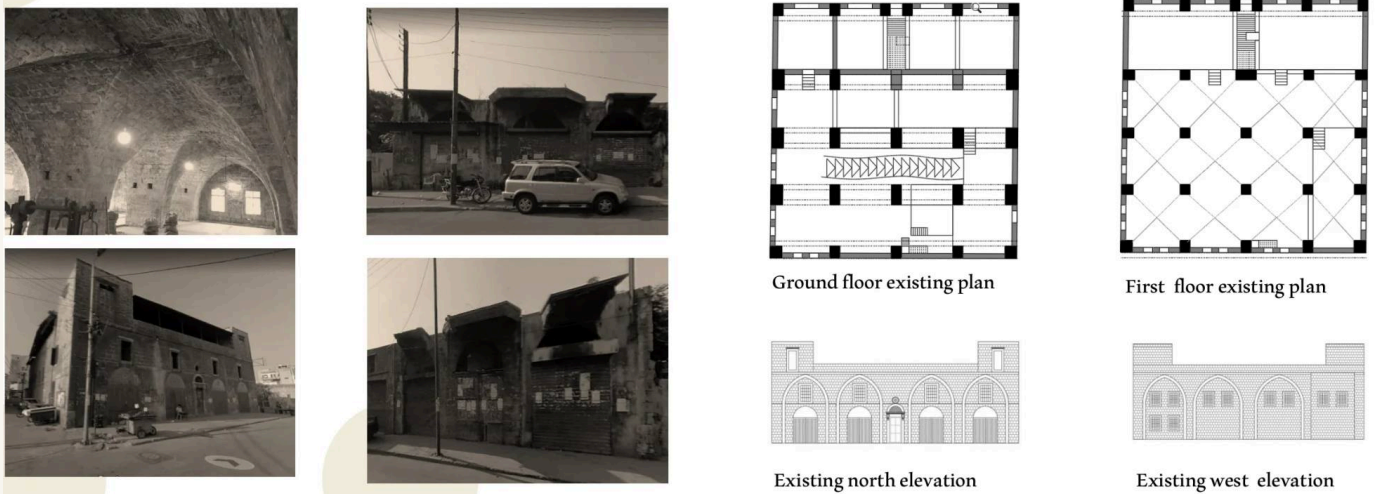
- A complete drawing set: plans for all nine levels, four elevations, and two sections, each also cut in 3D.
- Existing conditions drawn as found, a 300-year-old soap factory and seven shops, then carried into the new design.
- A dense mixed programme on a tight urban plot: school, dormitories, ten workshops, a public café and restaurant, a theatre and three basement levels.
- Photoreal visualization of fifteen spaces, inside and out.

## THE BRIEF

Tripoli is Lebanon's second city and one of its poorest; the UN has called it the poorest city on the Mediterranean. In Tebbaneh, the district across the river from the old souks, most children leave school early and many go to work.

The brief I set myself was a centre for children without proper family care that does more than shelter and teach them. It should bring them back into the life of the city.

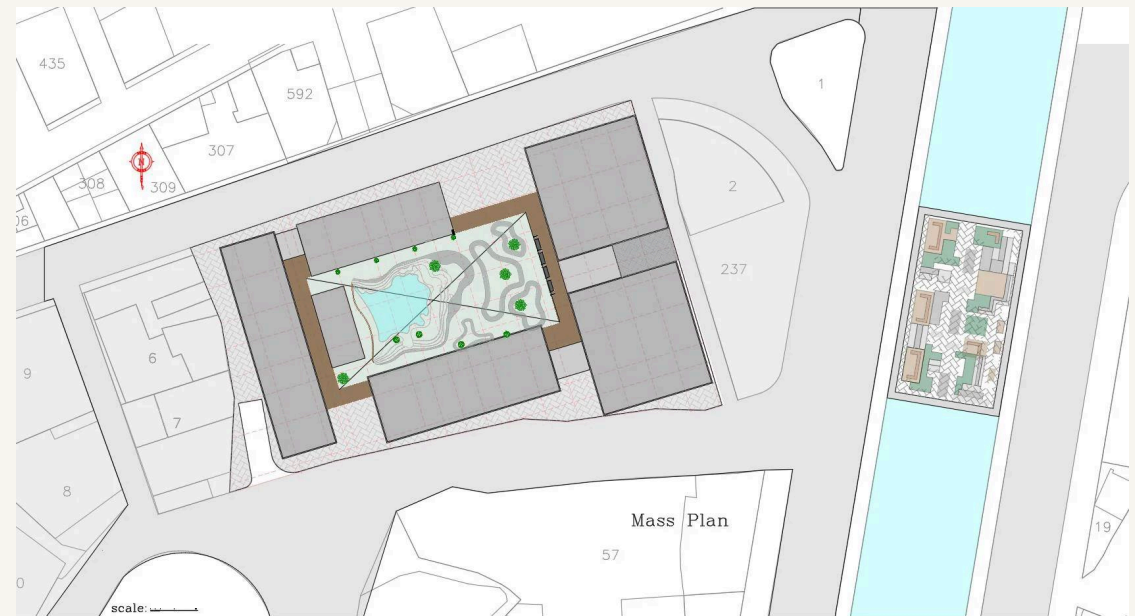
# The site



## EXISTING CONDITIONS: THE SOAP FACTORY AND SHOPS AS FOUND

The plot sits in Zahriyeh, on the bank of the Abu Ali river, with Tebbaneh on one side and the old souks on the other. On it stand a soap factory from the Ottoman era, about 300 years old, and seven old shops. Like much of the historic centre, they were weak and in need of rehabilitation.

The project keeps them. Its first rule was to reuse built fabric rather than build on empty land.



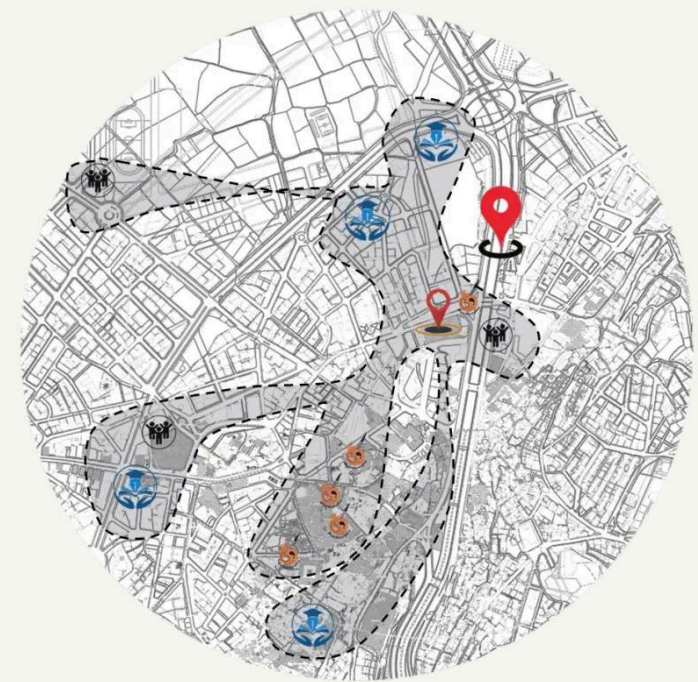
## MASS PLAN, BETWEEN THE OLD CITY AND THE RIVER

# The idea: a khan



Tripoli's old khans are courtyard buildings, with trade on the ground floor around a shared open space. The centre borrows that form without copying it. A green courtyard sits at its heart, ringed by shops, workshops and a café, so the public comes in and the children are part of the city's daily life, not hidden from it.

Private life is stacked above: classrooms, then dormitories, separated vertically from the public ground. Children train in craft workshops and exchange with the craftsmen of the nearby souks, Khan al-Saboun, Khan al-Khayyatin, Souq al-Nahhasin and Souq al-Sagha.



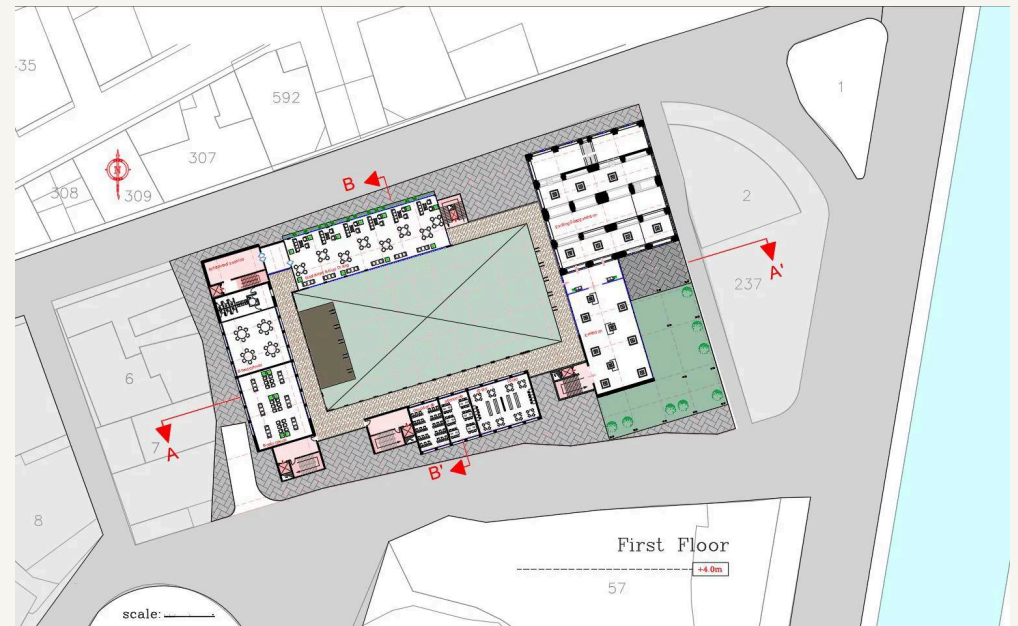
THE COURTYARD, THE HEART OF THE KHAN

THE CENTRE AS A NODE BETWEEN SOUKS, SCHOOLS AND PUBLIC SPACE

# Plans

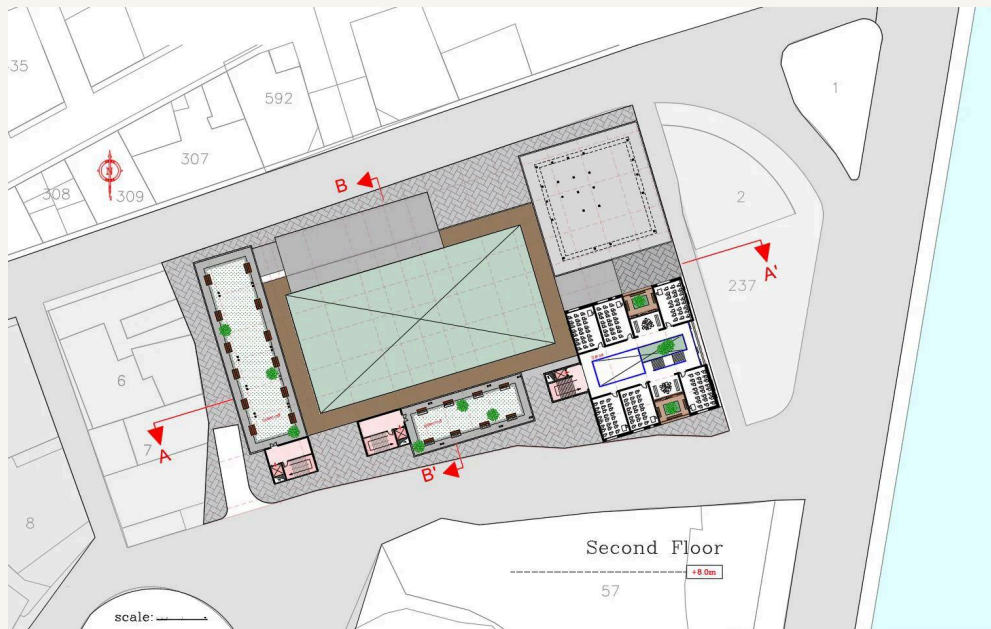


GROUND FLOOR



FIRST FLOOR

# Plans



SECOND FLOOR



THIRD TO FIFTH FLOORS: DORMITORIES AND SCHOOL

# Sections



SECTION AA'



SECTION AA', 3D



SECTION BB'



SECTION BB', 3D

# Elevations



NORTH ELEVATION, THE MAIN FRONT



EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION

# Spaces



COURTYARD



RESTORED SHOPS



THE SOAP FACTORY, REUSED

# Spaces



SCHOOL VOID



RESTAURANT



ROOFTOP PLAYGROUND



DORMITORY

THE FULL CASE STUDY, WITH EVERY DRAWING

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