Methodology of analyzing similar examples in the architectural design process

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Basic questions



General concepts



The objectives of the analysis process – why analyze?



Tools of analysis



Levels of analysis



Analysis process steps - how to analyze?



Site

analysis

The relationship with the surrounding roads and urban fabric

Areas and sizes

egresses

other

Elements and spaces

spaces in the building

The proportion of elements and

Elements and spaces - entrances and

Elements of the movement - services

Lighting, ventilation and view and

-Performance of each space

Relationship with outside facilities

Elements of analysis process

Second: Construction

Analysis of construction materials



- Identifying the used materials
- How to use the materials structurally and architecturally
- New construction materials

Analysing the method of construction



- Studying the construction method / methods used in the building
- How to use the method & its relation with Architectural relationship thought
- To identify the new in the architectural, structural thought

Elements of analysis process



Analysing the elements of forming

Analysing the means of forming

Analysis of the blocks (feature)

- Identifying the lines and surfaces and masses
- and how to apply them in the building
- Studying and forming methods used in the building such as color, lighting, sculpture and decoration...etc
- The feasibility of what has been achieved in the building
- Identifying the building type (explicit-composite) Its impact on the design and fine values inherent in the mass



Fourth: Design thought







Designer architectural thoughttheories of architecture

Output of the analysis process



First example

Analysis of window



Second example

Space analysis



Third example

Plan analysis





Space	Area	Height	
Living room	6*4	3	
Dining room			
Bedroom			

Analysis of areas

Functional relationships diagram

Functional efficiency for each space

Furniture & space volume: good-medium-bad
Circulation inside space: good-medium-bad
Lighting & ventilation: good-medium-bad

.....etc



Spaces ratio – design rates

Fourth example

Visual analysis of buildings

