



## **Design and Art Guidelines for Complex Structures**

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### Abstract:

Drawn words are better recalled than written! Furthermore, pictures are better remembered than items studied as words even when test items are presented as words, clearly, and evidently presented in many conducted research tests. The picture superiority effect showed a clear developmental trend. Designing commercial buildings poses urban and compositional challenges, especially when the production process implies the use of various technological equipment that can pollute the environment. In general, Kosovo's industrial development was based on the exploitation of raw materials and their processing to a certain degree, but not to a satisfactory degree of processing and finalization. The diversity of design of complex structures must always be in line with the requirements of technological processes, trends, economic development, environmental protection, and sustainable human development. The study presented in this paper investigated the visual design guidelines for complex structures, focusing on architectural design issues, aimed primary for education purposes. The research method consists of empirical observation through the Prishtina region zone, with an accent to the urban shapes, design functionality, visual perception, and compositional harmony as a contemporary reflection to the design system models.

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# Design and Art Guidelines for Complex Structures

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## ABSTRACT

Drawn words are better recalled than written! Furthermore, pictures are better remembered than items studied as words even when test items are presented as words, clearly, and evidently presented in many conducted research tests. The picture superiority effect showed a clear developmental trend. Designing commercial buildings poses urban and compositional challenges, especially when the production process implies the use of various technological equipment that can pollute the environment. In general, Kosovo's industrial development was based on the exploitation of raw materials and their processing to a certain degree, but not to a satisfactory degree of processing and finalization. Diversity of design of complex structures must always be in line with the requirements of technological processes, trends, economic development, environmental protection and sustainable human development. The study presented in this paper investigated the visual design guidelines for complex structures, focusing on architectural design issues, aimed primary for education purposes. The research method consists of empirical observation through the Prishtina region zone, with an accent to the urban shapes, design functionality, visual perception, and compositional harmony as a contemporary reflection to the design system models. Furthermore, the conceptual instructions from this research, show the need and necessity of adopting the visual design guidelines as the superiority teaching method.

**Keywords:** Design Architecture, Art, Complex Structures, Education, Guidelines



## **INTRODUCTION**

“Drawn words are better recalled than written” [1]! Furthermore, “pictures are better remembered than items studied as words even when test items are presented as words” [2]. Clearly, and evidently presented in many conducted research tests. “The picture superiority effect showed a clear developmental trend” [2]. Designing industrial and commercial buildings poses urban and compositional challenges, especially when the production process implies the use of various technological equipment that can pollute the environment. In general, Kosovo's industrial development was based on the exploitation of raw materials and their processing to a certain degree, but not to a satisfactory degree of processing and finalization. Diversity of design of complex structures must always be in line with the requirements of technological processes, trends, economic development, environmental protection and sustainable human development. The study presented in this paper investigated the visual design guidelines for complex structures, focussing on architectural design issues, aimed primary for education purposes. The research method consists of empirical observation through the Prishtina region zone, with an accent to the urban shapes, design functionality, visual perception, and compositional harmony as a contemporary reflection to the design system models [3].

## **MATERIALS AND METHODS**

“It is evident that in visual perception we operate by crucial fundamental principles that make us to group visual system components in some meaningful recognizable forms. These logical criteria are of great importance in the architectural compositions, moreover, this visual grouping is indicative in the wide perceptual range, from the organization of simplest brick wall to the urban composition of metropolitan areas” [3].

“It took me a long time to understand the relationship between ideas and between objective facts. But after I clearly understood this relationship, I didn't fool around with other wild ideas. That is one of the main reasons why I just make my scheme as simple as possible.”

*Ludwig Mies van der Rohe*

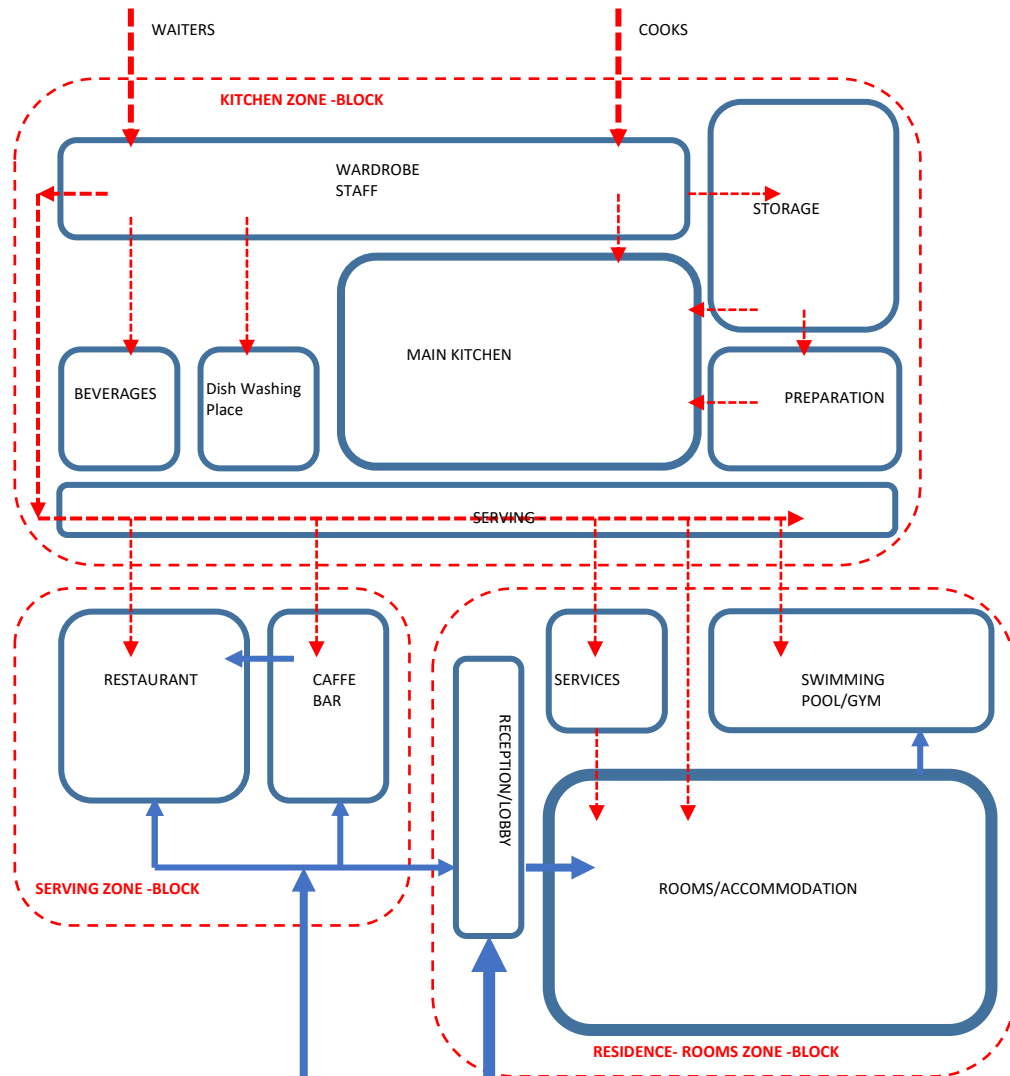


Figure 1. Functional composition zones, design guidelines - Hotel.

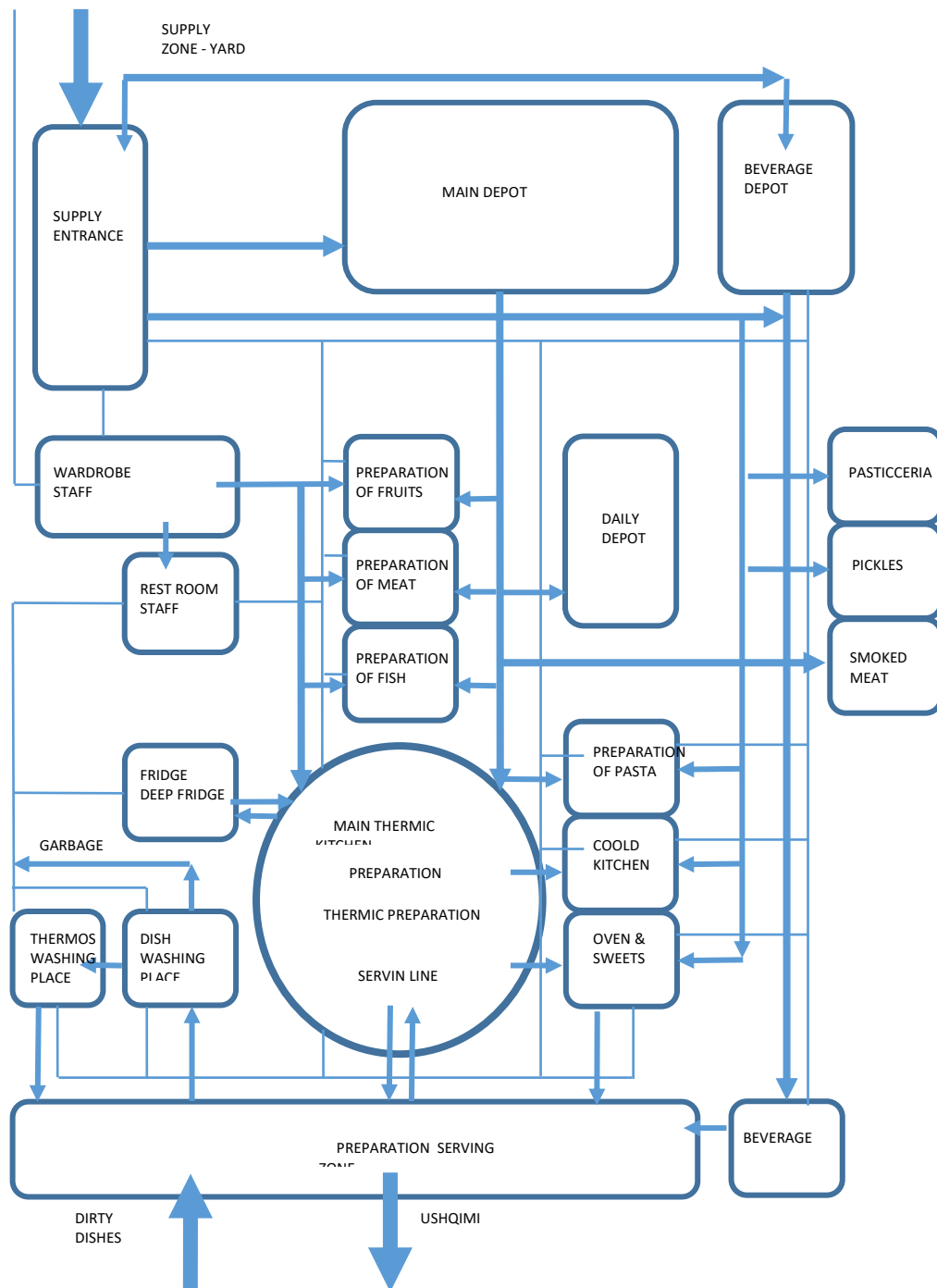


Figure 2. Functional zones, design guidelines-main distributive kitchen – Hotel and Mall.

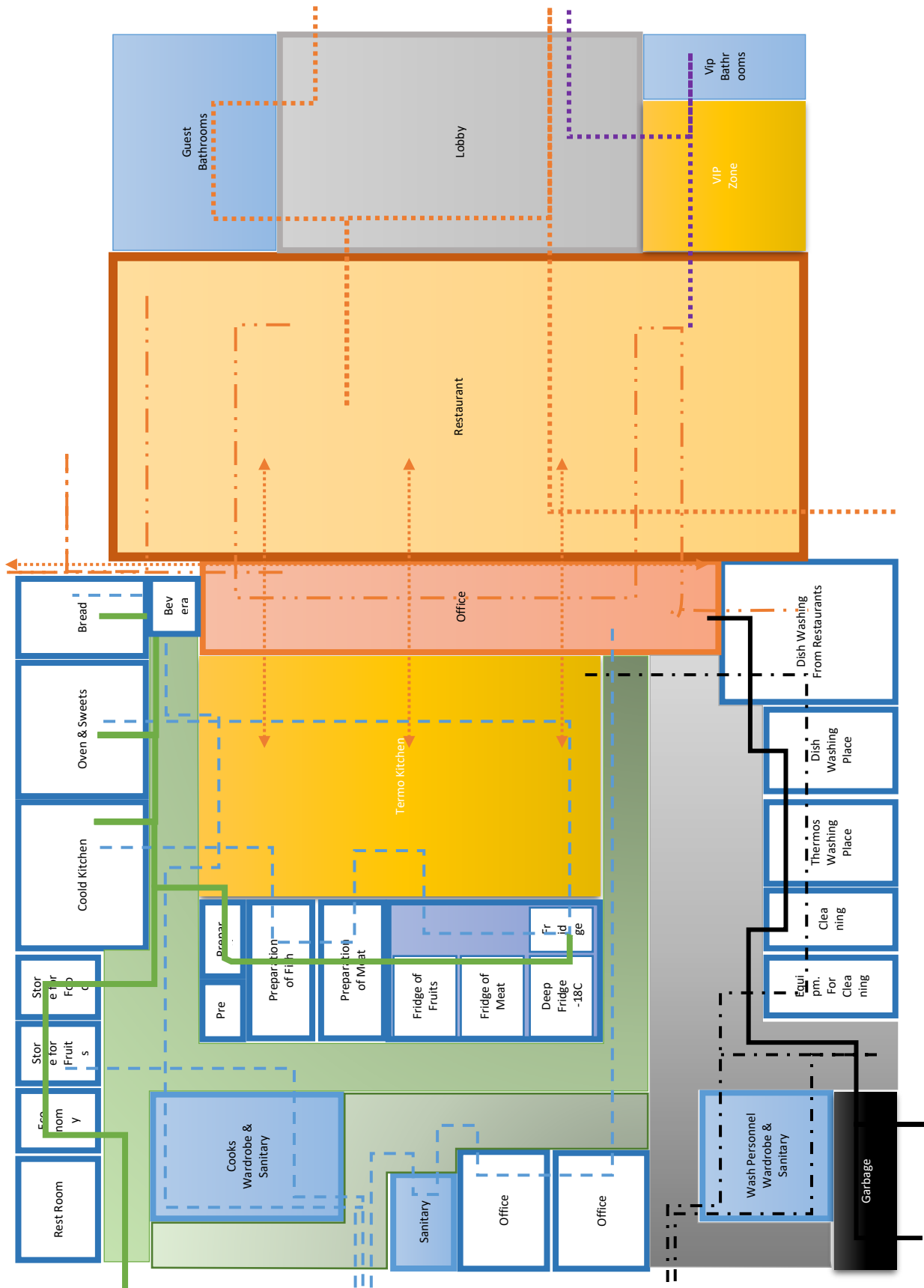


Figure 3. Functional zones, design guidelines - Main Kitchen, Hotel and Mall.

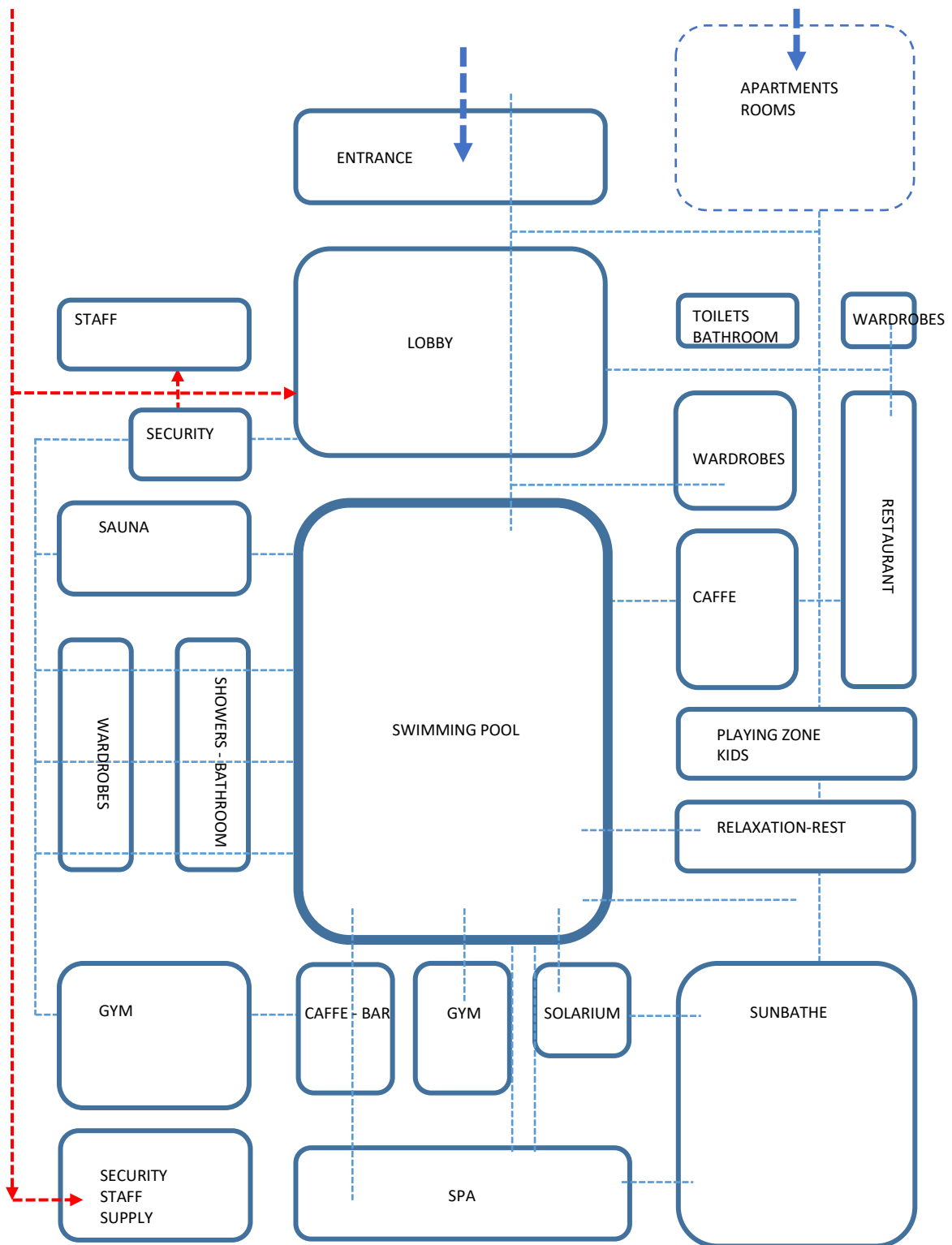


Figure 4. Functional zones, design guidelines-SPA- Swimming Pool, Hotel and Mall.

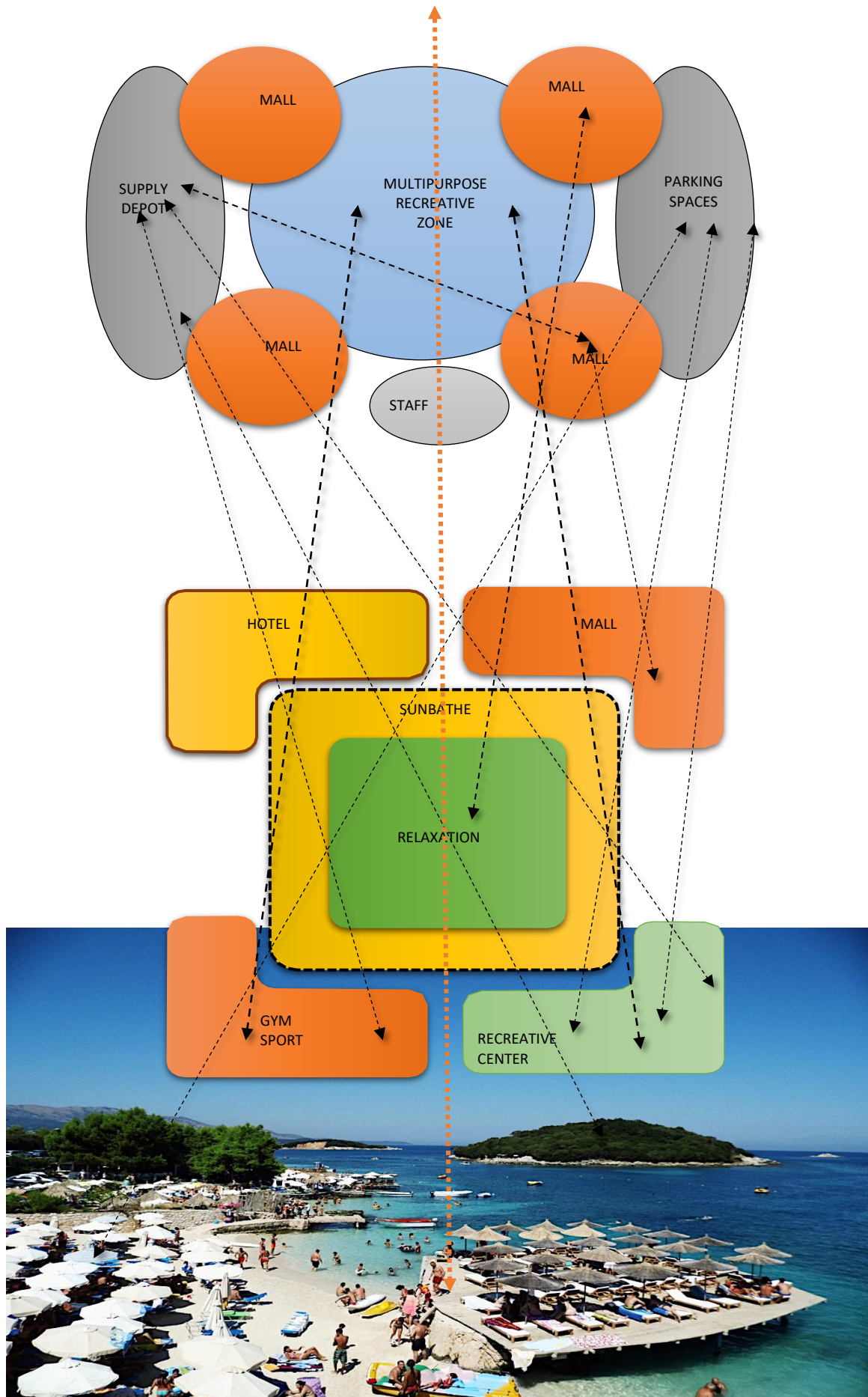






Figure 5. Functional compositional zones, design guidelines. Complex structures.

## **DISCUSSION**

“General and free access to knowledge is a fundamental principle of science and humanities: only work that can be debated, challenged, tested, verified or reproduced by others qualify as scientific work, anything else is wasted” [4]. This paper is dedicated to the students of Architecture for educational purposes. The design guidelines incorporate contemporary knowledge of the complex architectural structures, in the paper I have reflected my personal professional experience and literature review I have consulted so far.

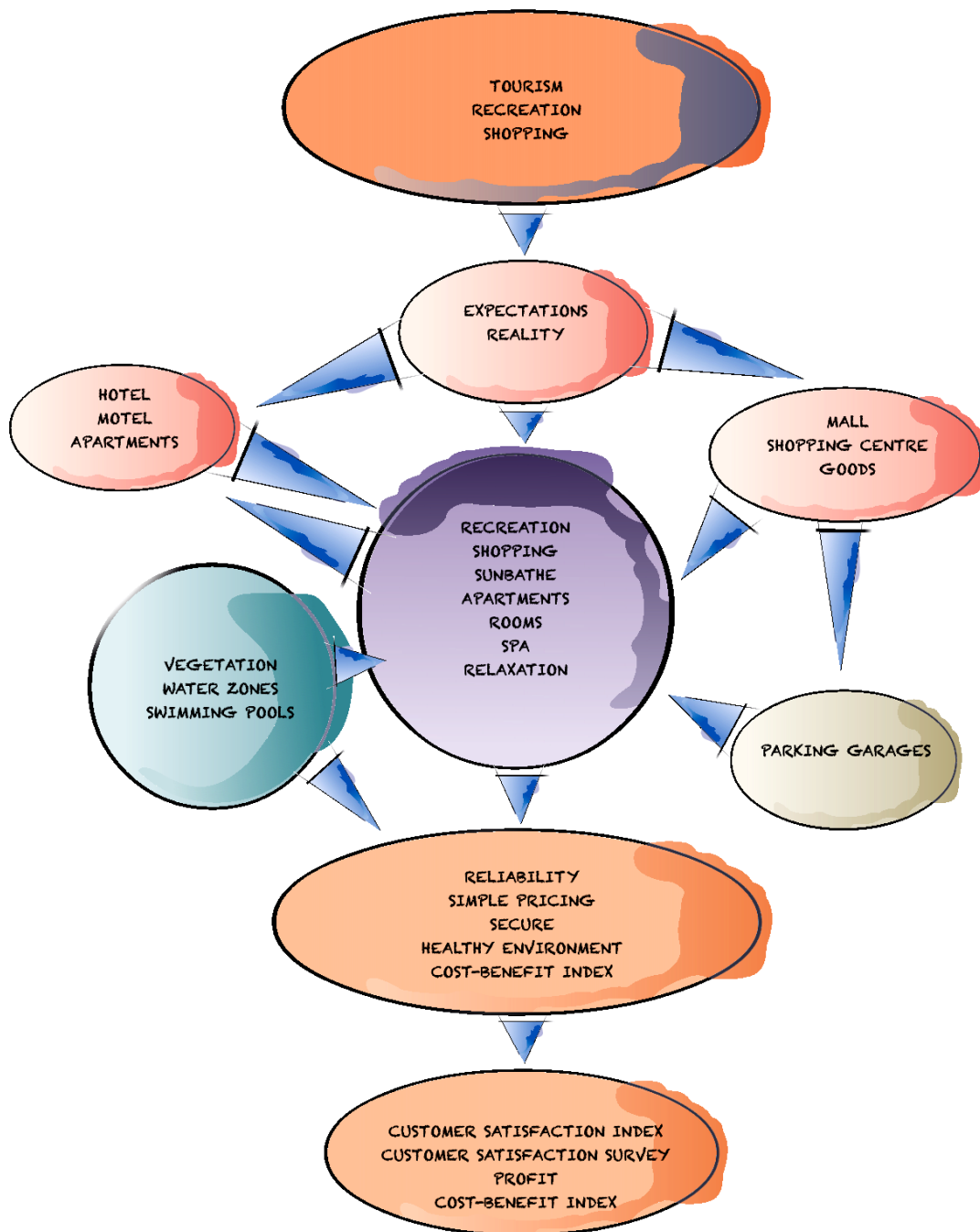


Figure 6. Functional process diagram, design guidelines. Complex structures.

## CONCLUSION

Inadequate solving the specific problems of the time, results in a more wide issues for future generations. Free access to knowledge is a fundamental, furthermore, challenges, associated with the globalization, development of technology, life style, and global world trends are crucial for prosperity. Thus, design subjectivity and response to context, are also of great importance in architectural design expressions when we are considering the best



possible design solutions. Furthermore, the conceptual instructions from this research, show the need and necessity of adopting the visual design guidelines as the superiority teaching method [3].

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