

THE NATIONAL LIBRARY - A PROGRAM AND PHILOSOPHY

THIS LIBRARY IS SUPPOSED TO DELINEATE A NEW WAY INTO THE TWENTY-FIRST CENTURY.
THE LIBRARY SHOULD BE A MILESTONE TO THE CULTURAL DEVELOPMENT AT ALL.

This century, as a result of a changing world, cultural, social and technological, where many of the old habits that accompanied us for centuries became obsolete, the world seems to lose basic values, a world where many of the new generations lost respect for books and the written word - As a creation of literature, poetry, culture, Art and seemingly leaving us with a low use poor language as of the world of advertising, media marketing, posters and short messages and noisy Ostentatious, this world has to suggest and to chart a new path, communication methods that would be acceptable to the new generations, and that will be used for new sources of displaying information and the civilized world on channels formed from The new technologies that have been incurred and are now available.

Beyond databases written in the way we have become accustomed, can be used for scanned databases, movies and means of sonic and light, materials and new ways of materials display, the use of methods technologies for digestion of knowledge and assimilation , sounds and use their sense of smell, for example, new ways to transfer knowledge, materials such as glass, using approaches ecological and nature conservation, green sustainable architecture.

In the Internet world and youtube, new knowledge and teaching methods, there is room to implement all these as databases on the one hand, and as a means of education and learning on the other. This library is an opportunity to introduce the various knowledge resources at our disposal, and various means to exploit this knowledge as a live knowledge, useful, and dynamic. This library will serve as a repository for dynamic, rather than an ivory tower in which stored secrets from the past without need to cover and conceal.

This library should be a celebration - to the eye and soul, a place of revelation and discovery, a place that draws people from around the world and from various communities, and makes the world and adds to them a desire to strive for a better world. As used in the ancient libraries once, but with a modern reference to things - a "New Alexandria".

This is a new opportunity to be open to the whole public, and in fact the entire world, both in structure and in terms of location. The site chosen for this purpose, near the Knesset of Israel and the of museums avenue, is an inspiring place. The important goal of increasing accessibility and above all, a challenge of a fresh perception of creative architectural solutions, to develop the library and its resources to new generations of users with new, observations and insights.

Virtually all of the library purposes needed for the twenty-first century requires new and current building according to our thoughts - also in appearance, materials and techniques , not just content.

We have a rare historical opportunity to witness and bring to culmination the optimal future National Library. The new building will offer well-equipped workspaces, user-friendly and especially inspiring to readers and researchers. It will also include elegant spaces for cultural and education that will enable the National Library take her place as a leading center in the global culture.

The library building will be made of three ovals, /connected by passages of service, elevators and stairs, and wrapped and accompanied by observation balconies and service, which will lead to the garden and a

waterfall. There is also importance for the feeling and sensing of the water flow, as a whole, a sense of place flow, structure and flow of knowledge.

It will have two basement floors for staff and visitors parking spaces. There will also be protected spaces in the basements. Also spaces connecting the wings area will be used as safe areas for immediate access.

Other important issues should be emphasized:

1. the building form - flowing, complex connected ellipses.
2. About the building
 - A use of bamboo parquet floors, LED lighting, for saving and Insulated double glass, 22 mm thickness, and is made of gray anti-sun external glass thickness 6 mm, and a transparent inner glass 4 mm thick and filling them with gas 12 mm wide, whose role in the summer to relieve heat and induce heat in the building in winter.
 - The enclosed glass between the columns , coated with aluminum also contributes to the building cooling.
3. Hydroponic cooling technique for heating the building. (It is important for its geographical location the Library in Jerusalem)
4. Gray water reuse for irrigation and use of vegetation on green retaining walls , on the toilets entrances and around the lot, and use of vegetation around the building as an integral part of green building.
5. Use of touch screen technology, as CORNING glass and glass surfaces as the like of SAMSUNG products presented in movies we added from public youtube material. Use for glass surfaces for the information environment and climate control, touch pad surfaces of tables for reading and transferring information and guidance in all functions of the library spaces.
6. Facilities for energy savings and electricity consumption, as part of green building:
 - Thermal mass underground heat energy used as passive heat batteries, will be prepared in advance in the parking floors areas for this purpose.
 - The roofing will serve as a coating surface of photovoltaic solar panels (PV) - and will generate electricity, respectively the electric company - for the building's air conditioning and heating.
 - A closed-circuit pool utilization for water and irrigation supplying.