

DESIGN OF AN OPEN AIR FOOD COURT WITH A RETRACTABLE GIANT CANOPY'

Prepared by: Aishwarya G.S, Chong Kui Lim, Heng Chen Lin, Ho Huu Dung

ABSTRACT

The concept of open air food makes it a desirable place for dining. But due to the climate in Malaysia, open air food court is not likely to be built. The open air food court might keep the visitors unprotected from rain and the frequency of the rainfall will even cause the food court unable to operate smoothly while interrupting the visitors from enjoying their meal. During the daytime, the sunlight and the temperature will also cause the visitor to feel uneasy when they are dining. The combination of these factors will be the big flaws of open air food court. Therefore, a retractable roof is introduced into the open air food court in order to minimize the weakness of it. The retractable roof will be able to protect the visitor from unnecessary exposure to sunlight and rainwater. The retractable roof will keep open when the weather is ideal to offer the visitor the advantage of open air food court while keeping close when the weather is extreme. Besides that, the food court which is expected to have independent filter system, due to the awareness of the pollution level in Malaysia. Therefore, introduction of environment friendly filter system is necessary to be included in this project to fulfill the requirement of the project.

The methodology used was analytically designing and practically making a model and by testing it to check the working. Hence the prototype was made to test the working of the design, the detail study on the design of the food court and the retractable canopy has been discussed in the report and the photos illustrating the prototype design has been put in the further pages to help in better understanding the design and its working.