

Thesis Title	The Physical Environments' Designed Concept Office Building Department of Vocational Education
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### ABSTRACT

This research was a study on the Physical environments' designed concept office Building of Vocational Education Department (DOVE). The researcher had taken into account the desires and comments of a sampling group who utilities the Central Building of the DOVE which is located at the ministry of Education, Chandrakasem Palace, Ratchadamnern Nok Rd, The sampling group selected for this research consisted of the government officials working in the building. Data was collected from the research of documents, interview, observation and from questionnaires which were the tools of this research. Some 287 sets of questionnaires were distributed, representing 50% of the total number of DOVE government officials. Of this amount 240 sets of questionnaires were completed and returned accounting for 83.62% of the total distribution. The raw data from this questionnaires were analyzed, summarized and commented for designing the physical environment for the design concept for architectural works.

The collected data included the study on the physical environment both inside and outside of the building which the researcher had interviewed and observed the general conditions of the building of the DOVE to find out the problems in the research in order and to compile it with the data from the questionnaires .

The result from the research showed that most government officers of the DOVE are female with bachelor degrees. Their opinions on the working space is such that it is presently quiet small and inadequately limited and equipment setting is not organized. The working space should be rearranged in the block type : partitioning into rooms for the executives and combining with the provision of open space with the low cupboard blocking separately for different lines of work. The core passage and vertical utilities such as lifts and stairways should be near each other. The lifts should be of the qualified standard type and be in the appropriate numbers to serve the number of the users. The washrooms / toilets should be well maintained for their cleaners and well equipped. The lavatory should be the latrine and flush toilet type. Lights in the working area at the present is more than sufficient. The new design should take into account the full use of natural lights from outside the building. The most disturbing noise is from the telephones and the people's talking. It is suggested that the equipment which is the source of disturbing noises should be taken out to somewhere else except for the telephones because it will not be convenient for the communications. The air ventilation of the building should be the combined uses of air conditioners and the air ventilators. The safety inside the buildings should include emergency staircases with signs posted to indicate the locations. Emergency electrical system and the standard fire - extinguisher should also should also be installed. The existing fire - extinguishing system

is not suitable for the building. The accident that usually happens to the officials is the tipping over the uneven floors of the passages caused by the adding up construction. The suggestion was to use the rubber floor tiles for the surface of the working space and waxed-stone for the main passages . The wall of the building should be the painted flat-cemented brick and covered with the noise-protection material. The color using in the inside building should be in the lighter tone while outside should be in the lighter to the medium ones. Most officers come to work in public buses and private cars which are in the equal portion. The parking lots should be set outside the building and the parking control system should be set up with clear markings. The parking space should be sufficient for the numbers of the officers and the visitors. Appropriate landscaping system should be made applicable to areas in vicinity to the building and the parking lots and can also be used as the park. From inside the building when looking out , should be designed to have the good vision. Every area of the building which has some small space should be designed to have the small garden setting such as stone garden the bushed garden or the bonzai , both inside and outside of the building.

The result from this research can be used as a way to improve the physical environment of the old DOVE building or as a basic information for formulating the detailed project in designing for the appropriateness of the further utilization of the DOVE facilities in the future.