

Thesis Title	A Design Concept for Fire Protection of Hotel Building
Student	Mr. Shanachun Punwa
Student ID.	40064020
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Thesis advisor	Assoc. Prof. Dr. Preeyaporn Wongsanutrohd
Thesis Co - advisor	Mr. Sutas Chufamancee Mr. Sompol Dumrongsatian

ABSTRACT

This research was a study of design concept for fire protection of hotel building. The researcher had studied the need and comment about a design for fire Protection of hotel Building for using guideline to design hotel Building which established from the need and behavior of the building user. The sampling group for researching were The Phatumwan Princess Hotel, The Royal Chom Thian Resort Pattaya hotel, The hotel authority groups and The hotel guests. Data were collected from the research of documents, interview, observation and from questionnaires which were the tools of this research, The researcher and distributed some 400 sets of questionnaires, representing 50 % of trial population who answer the questionnaires and take all these information to analyze, summarize and comment for designing concept for fire protecting. In model of architecture, the researcher had studied a design for fire protection of hotel building. In order to be a guideline to adjust for fire protection in hotel building which can increase the efficiency.

From this research, the occurrence of fire in hotel building happen from the carelessness of human. Consequently, the education is a protection of fire occurrence,

They Should have the training about fire protection in the building for protection of fire that will occur. At least, the user of building can help of any equipment in the building every day. They should have the inspector in every floor and signboard of floor plan every floor. As for communication, they should have detection devices every area in the building because the standard of detection device system is the protection and help the life first and then the property. If the detection device system has a problem, the life and property will failure. They should have automatic sprinkler system in the building and TV antenna system. They should have emergency lighting every floor. As for escape, fire stair is the best thing for exiting from the building, Consequently, fire stair should be buildingside. They should have signboard of floor position in the fire-stair hole. The trait of fire - stair hole should be fire-brick with cement plaster include the facilitation device for cripple. For example, the moving sidewalk stick to stair-rail for wheel chair.

They should have fire-elevator in the building and near the fire stair. As for Containment, It is the passive fire protection that will help to resist of fire occurrence. It is the part of building structure. For example, the column wall and floor. The machine - electricity room is the importance room in the building. The input - output lobby area have many user. The wall and floor should make from concrete and obstruct the fires and heats. As for extinguishment, fire extinction with the extinguisher is the importance in the present. They should have the chemicals - dirt extinguishers. They should have the extinguisher at least 3 tanks each storey. The extinguisher supply cabinet should have the portable fire extinguisher hatchet searchlight flexible hose etc. They should have a plan of extinguisher supply position in the center building area and lift area.

The result of this research was able to use as guideline to design for fire protection of hotel building and used as fundamental to work in details of designing project for fire protection of hotel building which could achieve the need of direct building user.