Having the Shun Tai Building in Sai Ying Pun as a precedence to study, we would like to find out whether the generic pencil tower model, which was often symmetrical, was suitable to be widely adopted, as it is now, as a design for residential buildings in Hong Kong. Beyond doubt there was a beauty of efficient use of space, simple structure, and unified units in this design approach. However, in order to provide a more sustainable and habitable living space for the residents, we thought that the context of weather, i.e. solar radiation and wind flow, should also be taken into account.

A focal point of our scheme was to create better cross ventilation within units, and better wind flow among the core for circulation to encourage people to use the core as a communal space. Another focal point we had was to unravel the thick walls of the stair core and to bring the stability in temperature and humidity it provided to the whole level thus the whole building. The rotation gesture controlled the velocity of the wind flow and provided better solar radiation protection according to the difference in floor levels.

Team Profile

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