

TOHO GAKUEN SCHOOL OF MUSIC

In this project, we tried to rebuild an environmental conscious music school facility with rich natural light and winds.

In Japan, music school facilities had numbers of problems.

Driven by concerns over sound insulation performance, usually, lesson rooms separated by thick concrete walls would be located in a line along a gloomy corridor.

As a result, spaces inside music schools tended to look more like a prison than a music school.

Our approach was to give each lesson room an optimal shape and size adapted to its specific purpose, and to place corridors and courtyards with rich natural light in between the lesson rooms. In deciding the width of the corridors and the courtyards, not only structural and programmatic issues, but also natural ventilation and daylight access were taken into consideration. In order to incorporate natural light and ventilation effectively, we performed numerous computer simulations using BIM.

By creating a large opening for each lesson room towards the corridor with natural light and ventilation, it became possible to create environmentally friendly lesson rooms filled with natural light without leaking noise around the facility.

183words.