



Knox Advanced Engineering

Project: Loreto Junior School, Kirribilli



Project Description

The Loreto School in Kirribilli is a girls' school hosting students from Kindergarten to Year 6. KAE undertook the Heating, Ventilation and Air Conditioning services and Electrical services design for this project on the school's Junior campus.

Scope of Services

Mechanical

KAE undertook the following services on this project:

- Design of 'mixed mode' systems for classrooms, computer rooms and library
- Passive Ventilation systems
- Supplementary reverse cycle Air conditioning for use during summer and winter peaks

The design includes a detailed analysis of the building's thermal characteristics and natural ventilation performance for indoor air quality and occupants thermal comfort.

Electrical

Electrical design involved new switchboards, Lighting, Power, Fire detection and Communications .