



Project Data Sheet

RETAIL

Environmental | ESD | Air | Power | Noise | Structure

Project: Stockland – Wetherill Park Shopping Centre



Project Description

KAE undertook all services design for the remedial works at this Stockland Shopping centre. The existing centre had over heating issues associated with large sky lights in the mall areas and food court area.

Scope of Services

As part of KAE's design, new air conditioning was installed together with modern controls to reduce energy consumption. An important factor in the design was to minimise works within the centre i.e. not impact on trading.

Energy Reduction measures included:

- CO2 control of fresh Air
- Relocation of control sensors
- Controlled high level warm air relief

KAE undertook a CFD study to establish the extent of cold air entering the centers doors causing thermal comfort issues.

