Cooling Hierarchy Statements

Description of the Proposal

This proposal is for Change of use from Tuition Centre (D1 use) to A1 use and installation of external AC Units.

The total internal area of this site is 67.6sqm.

The cooling hierarchy:

• Minimise internal heat generation through energy efficient design:

This proposal improved internal air tightness and use of low energy LED lighting.

• Reduce the amount of heat entering a building in summer through

orientation, shading, albedo, fenestration, insulation and green roofs and walls:

This proposal proposed Awnings in front of the shop to reduce the amount of heat entering the building.

• Manage the heat within the building through exposed internal thermal mass

and high ceilings:

This proposal does not include any changes to the external wall and roofing as such there was not any scope of using new insulation or green roofing.

• Passive ventilation:

Passive ventilation is used through the rear window.

• Mechanical ventilation; and Active cooling:

A mechanical ventilation system has been installed at the window opening.