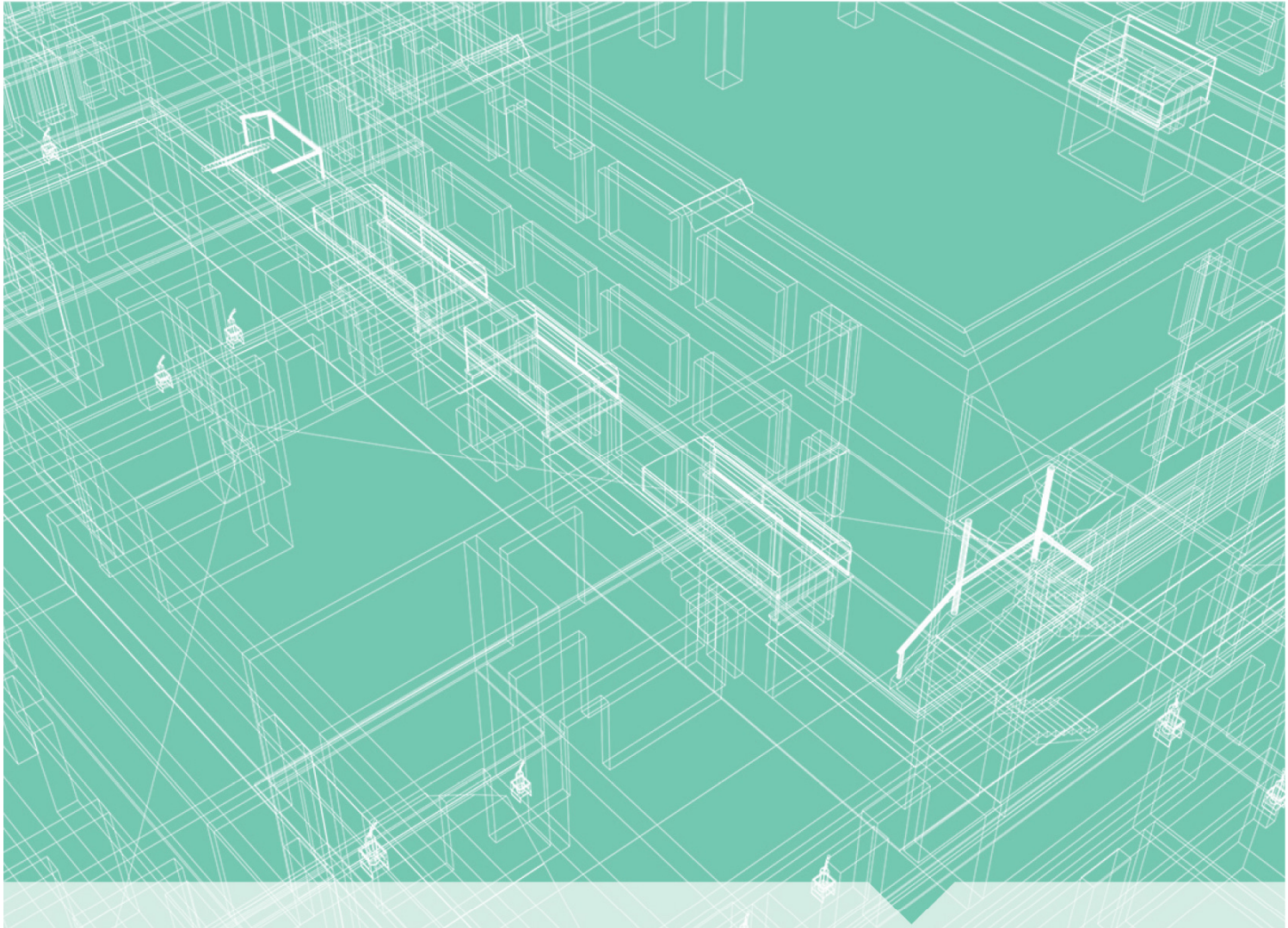

LIGHTING CONTROL STRATEGY REPORT

KYEEMAGH PUBLIC SCHOOL, SCHOOL RE-DEVELOPMENT

ELECTRICAL SERVICES

JHA

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DOCUMENT CONTROL SHEET

Project Number	170494
Project Name	KYEEMAGH PUBLIC SCHOOL, SCHOOL RE-DEVELOPMENT
Description	LIGHTING CONTROL STRATEGY REPORT
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1 STANDARDS AND REGULATIONS

JHA have referred to the following standards:

- AUS/NZS 1680.2.0:2009 – Interior lighting, safe movement
- AUS/NZS 1680.2.3:2008 – Specific applications: Educational and training facilities
- AS 4282:1997 – Control of the obtrusive effects of outdoor lighting
- AS 1158.3.1:2005 – Lighting for roads and public spaces
- EFSG

2 LIGHTING CONTROL

2.1 GENERAL LIGHTING CONTROL

All luminaires will be fitted with DALI control gear with a CBUS system being used as the main control system.

The control system will including lighting dimming where required, occupancy motion control, photoelectric for external lighting and time switching.

All lighting control systems will be designed to be simple and ease of use.

2.2 INTERNAL LIGHTING CONTROL

Lighting within school buildings will be controlled as follows:

Home bases – local light switch panel to control multiple group of lights (ON/OFF) with override from occupancy motion switches.

Large rooms: libraries, hall, etc – local light switch panel to control multiple group of lights (ON/OFF) with override from occupancy motion switches. Lights located near windows, where suitable, will be on separately controlled to allow to be switched off during the day if sufficient natural light.

Small rooms will be controlled by either integral sensors on individual luminaires or occupancy motion switches.

2.3 EXTERNAL LIGHTING CONTROL

External lighting throughout the school playgrounds, carparks and building wall mounted will be controlled via a photocell and timer control system with ON/OFF override switching capabilities located at Administration and Hall blocks.

2.4 MINIMISE THE NEGATIVE EFFECTS OF GLARE

All luminaires will have concealed lamps and no upward distribution to reduce glare (external lights).

Perimeter external lighting, where applicable, will be designed to have less than 1 lux light spill within 2 metres of the boundary in order to minimise discomfort and glare issues with neighbouring properties in compliance with the requirements of AS 4282.