

10th November 2021

Glenwood High School has been designed to meet minimum expectations as per Green Star Buildings and EFSG requirements.

As per credit 35 Light Pollution Impacts the following design initiatives has been implemented:

Light pollution to neighbouring bodies

All outdoor lighting on the project complies with AS/NZS4282:2019 Control of the obtrusive effects of outdoor lighting.

The conditions apply to all boundaries, apart from boundaries with roads as per AS/NZS4282:2019.

The system also complies with both pre- and post-curfew requirements. The lighting will be controlled by a programmable lighting control system. The lights can be programmed to operate from 6pm – 9pm on a daily basis.

Light pollution to night sky

Light pollution to night sky has been managed by the installation of downward lights in the external awnings only.

No new external luminaires on the project will be mounted in an upward direction, which by design reduce Upward Light Output Ratio (ULOR) to less than 5%.

This is based on the following documentation:

ELECTRICAL SERVICES - DRAWING INDEX	
EL-00-0001	COVERSHEET & DRAWING LIST
EL-00-0002	LEGEND & NOTES
EL-00-0100	SITE PLAN - EARLY WORKS - POWER RETICULATION
EL-00-1000	CABLE ROUTE LAYOUT
EL-00-1100	SITE PLAN - SOLAR PV
EL-00-1101	CABLE ROUTE SECTION AND DETAIL
EL-00-3101	DISTRIBUTION BOARD SCHEMATIC - SHEET 1
EL-00-3102	DISTRIBUTION BOARD SCHEMATIC - SHEET 2
EL-00-3103	DISTRIBUTION BOARD SCHEMATIC - SHEET 3
EL-00-3104	ELECTRICAL SERVICES LIGHTING SCHEDULE
EL-01-1001	BUILDING A - GROUND FLOOR - POWER LAYOUT
EL-01-1011	BUILDING A - LEVEL 1 - POWER LAYOUT
EL-01-2001	BUILDING A - GROUND FLOOR - LIGHTING LAYOUT
EL-01-2011	BUILDING A - FIRST FLOOR - LIGHTING LAYOUT
EL-05-1001	BUILDING E - GROUND FLOOR - POWER LAYOUT
EL-05-2001	BUILDING E - GROUND FLOOR - LIGHTING LAYOUT
EL-08-1001	BUILDING H&J - GROUND FLOOR - POWER LAYOUT
EL-08-2001	BUILDING H&J - GROUND FLOOR - LIGHTING LAYOUT
EL-14-1001	BUILDING N - GROUND FLOOR - AREA 1 - POWER LAYOUT
EL-14-1002	BUILDING N - GROUND FLOOR - AREA 2 - POWER LAYOUT
EL-14-1003	BUILDING N - GROUND FLOOR - AREA 3 - POWER LAYOUT
EL-14-1011	BUILDING N - LEVEL 1 - AREA 1 - POWER LAYOUT
EL-14-1012	BUILDING N - LEVEL 1 - AREA 2 - POWER LAYOUT
EL-14-1013	BUILDING N - LEVEL 1 - AREA 3 - POWER LAYOUT
EL-14-1014	BUILDING N - LEVEL 1 - AREA 4 - POWER LAYOUT
EL-14-1021	BUILDING N - LEVEL 2 - AREA 1 - POWER LAYOUT
EL-14-1022	BUILDING N - LEVEL 2 - AREA 2 - POWER LAYOUT
EL-14-1023	BUILDING N - LEVEL 2 - AREA 3 - POWER LAYOUT
EL-14-2001	BUILDING N - GROUND FLOOR - AREA 1 - LIGHTING LAYOUT
EL-14-2002	BUILDING N - GROUND FLOOR - AREA 2 - LIGHTING LAYOUT
EL-14-2003	BUILDING N - GROUND FLOOR - AREA 3 - LIGHTING LAYOUT
EL-14-2011	BUILDING N - LEVEL 1 - AREA 1 - LIGHTING LAYOUT
EL-14-2012	BUILDING N - LEVEL 1 - AREA 2 - LIGHTING LAYOUT
EL-14-2013	BUILDING N - LEVEL 1 - AREA 3 - LIGHTING LAYOUT
EL-14-2014	BUILDING N - LEVEL 1 - AREA 4 - LIGHTING LAYOUT
EL-14-2021	BUILDING N - LEVEL 2 - AREA 1 - LIGHTING LAYOUT
EL-14-2022	BUILDING N - LEVEL 2 - AREA 2 - LIGHTING LAYOUT
EL-14-2023	BUILDING N - LEVEL 2 - AREA 3 - LIGHTING LAYOUT

Regards,

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AECOM