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Memo

ATTN:	Perumal Pedavoli Architects
PROJECT NUMBER:	160249
PROJECT NAME:	Oran Park High School & Public School
DOCUMENT NAME:	Oran Park High School & Public School External Lighting Approach Memo

The purpose of this memo is to outline the design will meet Australian standards for external lighting and to provide our general design strategy for the external lighting at the Oran Park High School and Oran Park Public School.

The external lighting will be designed to comply with AS/NZS 1158.3.1 Pedestrian Area (Category P) lighting requirements and AS 4282 Control of the Obtrusive Effects of Outdoor Lighting.

As per AS1158, we recommend and propose the following lighting levels for the purpose of all-night safety and security on **selected** car parks and pedestrian pathways surrounding the main building:

Area	Lighting Category
Area/Pathway Lighting	P3 (Where applicable, P4 at times of low activity)
Car Parks	P11b(Where applicable, P11c at times of low activity)
Access Roads	P3 (Where applicable, P4 at times of low activity)

The category P lighting is acknowledged to be an effective counter both to the occurrence of crime and to the fear of crime. The proposed category lighting above will provide adequate lighting having regard to the degree of activity (of pedestrians and vehicles) and the risk of crime.

As part of the design process, high risk areas will be strategically identified and lighting provided to these areas only.

External areas will be illuminated via pole-top luminaires and bollards. External lighting will be of a fluorescent and LED type, controlled via a combination of photo electric cells and time switches with a manual override control. Discharge lamps will only be used where deemed necessary by code.

Frank Liu

Electrical Engineer