



WAREHOUSE DEVELOPMENT SITE A UNDER CONSTRUCTION
(AS GRANTED PLANNING UNDER SDCC Reg. Ref. SD18A/0265)

General Notes

1. This drawing is to be read in conjunction with all relevant architects drawings, indicative survey drawings and mechanical & electrical specifications & schedules.
2. All dimensions are in millimeters unless otherwise stated.
3. The contractor shall be responsible for informing Axiseng of any discrepancy found to be contained within any Axiseng drawing or specification.
4. The contractor is to be aware that this drawing is intended to be viewed in colour.
5. Exact location of all penetrations are the responsibility of the contractor who shall co-ordinate the pipework & ductwork installations with other trades.
6. The contractor shall note that all pipework and ductwork routes are indicative only.
7. The contractor shall supply all poles and luminaire mounting fixtures.

Notes for Bat Lighting Protection

1. Hours of illumination: Lighting of pedestrian walkways surrounding the warehouse unit shall be controlled via in-built luminaire photocell & PIR motion sensors and remain off during times of no pedestrian traffic. Site lighting should be switched off or at lower light output during inactive site hours; this would benefit the Bats foraging and/or commuting in the locality. Additionally, lighting should be controlled by occupancy / motion sensors so that it will remain off / low if there is no pedestrian traffic nearby.
2. Light levels and type: Site lighting that meets the lowest light levels permitted under health and safety would be preferable for bats in the vicinity. The specification and colour of light treatments, such as single bandwidth lights and no UV light are essential. LED luminaires are ideal and should be used where possible due to their sharp cut-off, lower intensity, and dimming capability. A warm white spectrum (2700K - 3000K) should be used in the lighting components situated along the western and southern border of the site to reduce the blue light component.
3. Column heights of lamp posts: All pole mounted fitting shall be mounted at specified heights.

Symbols Reference:

- EX1 Wall mounted luminaire (mounted @ 10m) - AktraLED 80w LED, 4K, Asymmetric
- EX2 Wall / Pole mounted luminaire (mounted @ 6/8/10m) - AktraLED 60w LED, 4K, Asymmetric
- EX3 Wall mounted luminaire (mounted @ 8m) - AktraLED 80w LED, 3000K, Asymmetric
- EX4 EX4 Pole mounted luminaire (mounted @ 6m) - Twin Metro Streetlight Size 1, 52w 24LED 700mA 3000K Symmetric
- EX5 Pole mounted luminaire (mounted @ 6m) - Metro Streetlight 36w 16LED 3000K 700mA Forward Throw Optic
- EX6 Wall mounted luminaire (mounted @ 6 m) - Metro Streetlight 19W 8LED 700mA 3000K Street Optic R03
- EX7 Recess mounted luminaire - Spio Canopy 32W LED 4K Flood 62'

Note: Final engineering designs are subject to the final Fire Cert & Lead Requirements

Calculation Summary									
Description	Avg	Max	Min	Min/Avg	Min/Max	Units	PtSpLr	PtSpTb	# Pts
Carpark / Yards	21.63	76	6	0.28	0.08	Lux	3	3	1056
Loading Bays	54.45	74	30	0.55	0.41	Lux	2.5	2.5	78
Under Canopy	106.37	195	57	0.54	0.29	Lux	2	2	52
Patio Dining Area	14.21	38	3	0.21	0.08	Lux	2.5	2.5	14

REV	DATE	AMENDMENT	DRN	CHK
P03	22.10.2021	PRELIMINARY ISSUE	CAD	AOD
P02	14.10.2021	PRELIMINARY ISSUE	CAD	AOD
P01	16.07.2021	PRELIMINARY ISSUE	CAD	AOD

Issued for Information

Client: Uniphar

Architect: Kavanagh Burke

Project: Uniphar Warehouse Block C
Electrical
Site Lighting Layout

Drg. No: UWBC-AXE-XX-00-DR-ME-60102

Job No: 21025 Status: **S2** Revision: **P03**

Scale: 1:500 @ A1

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