lightingdesign
ELECTRIC CENTER NOTTINGHAM

Installation : Gosberton Medical Expansion Space

Project number : CM210712.04
Customer : Barker & Sheldon
Processed by : Chris Munden
Date : 12.07.2021

Project description:

Lighting Design:

These plots represent specific manufacturers products under given conditions. Changes to environment, calculation software accuracy and on site measurement mean real installations may differ from these predictions. This design information constitutes guidance only.

Edmundson Electrical Ltd takes no design responsibility where the company has not been provided with information pertinent to this design. Substitutions for anything detailed here in invalidates these plots.

Common design parameters have been used in order to carry out all calculations. If any part of the scheme or subsequent luminaires used within the scheme is deemed to be inappropriate, please contact us in order for re-calculations to be carried out, prior to an order being placed.

Please ensure that this lighting scheme complies with all requirements, and if further details/ calculations are required please contact us on the above number.

Final quantities are to be confirmed prior to an order/installation.

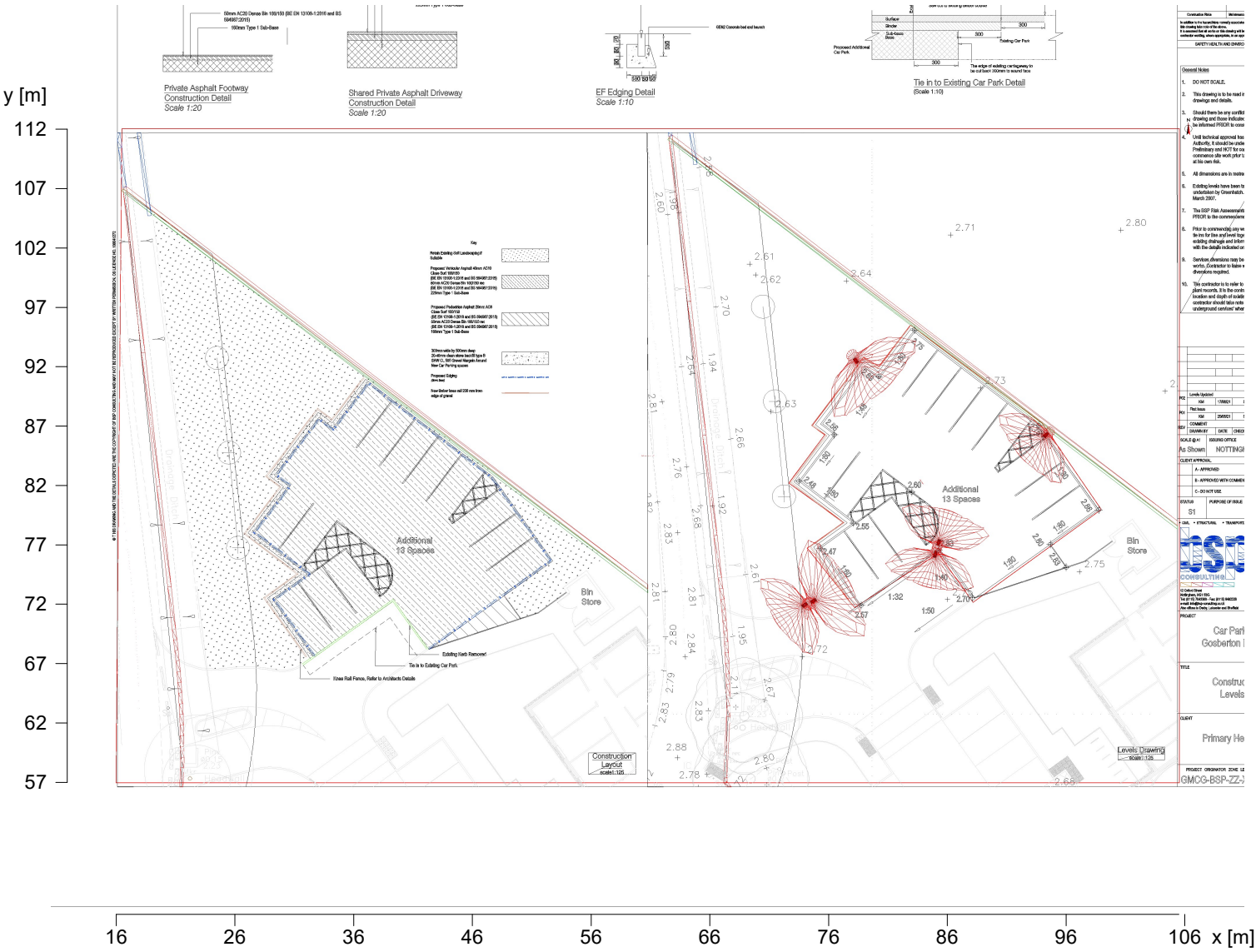
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

1 Exterior

1.1 Description, Exterior

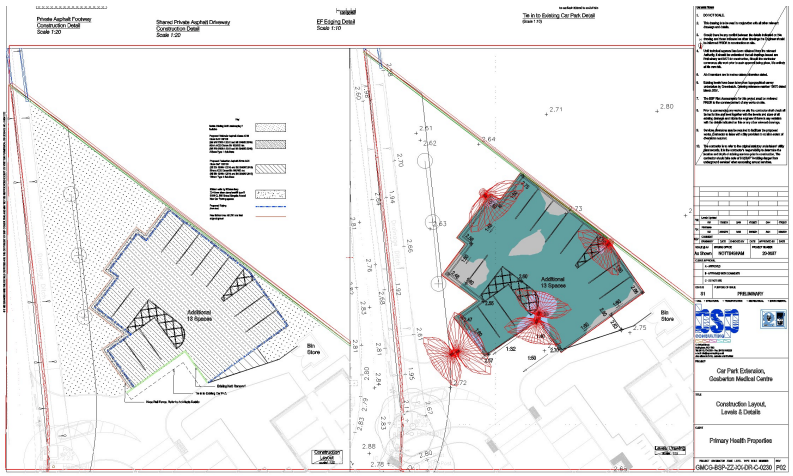
1.1.1 Floor plan

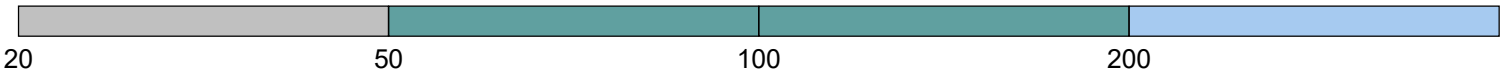


1 Exterior

1.2 Summary, Exterior

1.2.1 Result overview, Car Park





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.centre) [m]:	3.98 m
Maintenance factor	0.85
Total luminous flux of all lamps	90000 lm
Total power	600 W
Total power per area (4908.75 m²)	0.12 W/m²
Upward light ratio (ULR)	0.01

Illuminance

Average illuminance	Em	95 lx
Minimum illuminance	Emin	32 lx
Maximum illuminance	Emax	243 lx
Uniformity Uo	Emin/Em	1:2.95 (0.34)
Diversity Ud	Emin/Emax	1:7.55 (0.13)

Type No.\Make

49	6	Order No.	: QSTREETPRO-100W (70x150).ldt
		Luminaire name	:
		Equipment	: 1 x QSTREETPRO-100W 100 W / 15000 lm

The ULR value has been calculated without obstruction by other objects.

1 Exterior

1.3 Calculation results, Exterior

1.3.1 3D luminance, View 1

