JJR MECHANICAL

JJR ELECTRICAL

Lighting Proposal

For Renslade House

JJR, Unit 11 South Point, Ensign Way, Hamble, Southampton, SO31 4RF, tel: 02380 456769,email:info@jjrmechanical.co.uk

ELECTRICAL LIGHTING INSTALLATION

INDEX

E1 **Tudor Street Lighting Design Rev A**

Within this document please find the calculations and drawing for the external street / car park lighting. We are not proposing lighting up the rear of the building to avoided disturbing any of the resident, therefore the street lights have been calculated and positioned in the most effective way.

E2 **External Area Lighting Image (2)**

Please find visuals of the external façad. We hope these demonstrate a good visual of what the client would like JJR to achieve.

E3 **Lighting Pollution from Scattered Light Effect**

Please find within this file, a Relux calculation demonstrating the lighting pollution we expect to be projected off the building on completion. This calculation is based on the scattered lights on the façade only.

E4 **Lighting Pollution from Windows**

Please find within this file a Relux calculation demonstrating the lighting pollution we expect to be projected from the student accommodation windows. This is based on the windows not having any film on them and with the curtain / blind being open. This calculation is extremal difficult to estimate as it can vary tremendously with many different factors i.e. Wall colours furniture colours and occupancy.

E5 **Stair Cores Lighting Scheme V2 (2)**

Please find within this file our early design for the stair core to demonstrate that we can achieve an excellent light cover to meet building regulations by using LED products. We will carry out a similar installation to all stair cores.

E6 **1F-11F Lighting Scheme V2(2)**

Please find within this file our early design for the internal lighting to demonstrate that we can achieve an excellent light cover to meet building regs by using LED products. We had to produce this design to calculate the Lighting Pollution from the window design.