



**SPECIFICATION**

COMPLETE DESIGN, PROCURE, INSTALL, TEST AND COMMISSION THE COMPLETE LIGHTING AND LIGHTING CONTROL INSTALLATIONS AS DESCRIBED WITHIN THIS SPECIFICATION AND SHOWN ON THE LIGHTING LAYOUT DRAWING.

CHECK ALL LUMINAIRE REFERENCE CODES CORRELATE WITH THE EXISTING FITTINGS

REDUCE ALL EXISTING LIGHTING OUTPUT BY 75% USING A SPECIAL LIGHTING FILTER PURCHASED SEPARATELY. PROVIDE ROSCO DIFFUSION FILTER KIT CODE - E210.6 NEUTRAL DENSITY. INSTALL FILTER BEHIND THE GLASS TO KEEP THE IP PROTECTION. CUT THE SHEET FILTER TO THE SIZE OF THE GLASS.

ALLOW FOR MOUNTING ACCESSORIES FOR ALL PROPOSED FITTINGS BASED ON THEIR LOCATIONS. CHECK ALL PROPOSED MOUNTING ACCESSORIES ARE COMPATIBLE WITH THEIR LOCATIONS PRIOR TO ORDERING

REFER TO MANUFACTURERS INSTALLATION GUIDES TO ENSURE CORRECT INSTALLATION METHOD FOR EACH TYPE OF LUMINAIRE

INCLUDE ALL ANCILLARY EQUIPMENT SUCH AS CABLES, CONNECTORS, DRIVERS, FILTERS, SPIKES, FLOOR BOXES, OUTER CASINGS AND INSTALLATION CLIPS ETC.

LEAVE ALL LUMINAIRES IN A CLEAN CONDITION ON COMPLETION AND TAKE CARE TO ENSURE ALL GLASS COVERS, FILTERS ETC. ARE DUST FREE

CHECK FOR BAT ROOSTS AND NESTING BIRD AREAS WITHIN THE OUTSIDE AREA ON THE SOUTHERN ELEVATION TO ESTABLISH THAT NO LIGHTING WILL AFFECT THESE AREAS

REFER TO MANUFACTURERS INSTALLATION GUIDES FOR CABLING SIZES

REFER TO NJUG GUIDELINES FOR CABLING DEPTH RECOMMENDATIONS

**CONTROLS**

MODIFY AND EXTEND THE EXISTING LIGHTING CONTROL AND CABLING SYSTEM TO ACCOMMODATE THE NEW LUMINAIRES

PROVIDE ALL NECESSARY EQUIPMENT TO ENABLE CONTROL OF NEW GROUND LUMINAIRES VIA THE EXISTING CONTROL SYSTEM

PROVIDE PIR'S TO CONTROL TYPE D AND TYPE W LIGHTING AT THE SOUTHERN ELEVATION OF THE BUILDING. SET PIR'S TO TURN LIGHTING ON FOR 30 SECONDS TO ALLOW SAFE ACCESS IN AND THROUGH THE ILLUMINATED AREA

PROVIDE AN OVERRIDE SWITCH FOR ALL LIGHTING THAT CAN BE MANUALLY CONTROLLED AT ANY TIME

**LIGHTING MANUFACTURES**

THE LUMINAIRE MANUFACTURES HAVE BEEN INDICATED. ANY PROPOSED CHANGES SHALL BE REVIEWED BY THE LIGHTING DESIGNER. THE ALTERNATIVE MANUFACTURER OF INDIVIDUAL LUMINAIRES SHALL BE SUBJECT TO A REVIEW AND APPROVAL PROCESS BY THE LIGHTING DESIGNER PRIOR TO PRESENTING TO THE CLIENT

PROVIDE LED LUMINAIRES ONLY

- LUMINAIRES**
- (B1) AS EXISTING WITH SEPARATE ADDITIONAL DIMMING FILTER
  - (B2) AS EXISTING WITH SEPARATE ADDITIONAL DIMMING FILTER
  - (B2) AS PROPOSED ERCO CASTOR BOLLARD 3319.000 MOUNTING ACCESSORY - AS PER EXISTING BOLLARDS WHEN ORDERING REQUEST DRIVER OF FITTING TO BE RAN AT 25% OUTPUT. CONTACT PAUL KING FOR FURTHER INFORMATION IF REQUIRED - 07748775411
  - (C) SIMES MICROREEF BOLLARD 180° S.5330.W MOUNTING ACCESSORY - S.5301 WHEN ORDERING REQUEST DRIVER OF FITTING TO BE RAN AT 25% OUTPUT. CONTACT PAUL KING FOR FURTHER INFORMATION IF REQUIRED - 07748775411
  - (W1) SIMES MINILOFT WALL S.6618W WHEN ORDERING REQUEST DRIVER OF FITTING TO BE RAN AT 25% OUTPUT. CONTACT PAUL KING FOR FURTHER INFORMATION IF REQUIRED - 07748775411

**NOTES**

- THE LIGHTING DESIGN ON THIS DRAWING IS IN LINE WITH THE GUIDANCE NOTES FOR THE REDUCTION OF OBTRUSIVE LIGHT BY THE ILP
- THE LIGHTING DESIGN ON THIS DRAWING SATISFIES THE DARK SKY CRITERIA WITH NO UPLIGHT COMPONENT
- THE UPDATED LIGHTING DESIGN IS TO BE READ IN CONJUNCTION WITH THE LANDSCAPE ARCHITECTS DRAWING FOR REFERENCE OF FOLIAGE AND TREES
- ALL LIGHTING INCLUDING EXISTING AND PROPOSED TO BE FILTERED BY A SEPARATELY PURCHASED COMPONENT. THE FILTER WILL LOWER THE OUTPUT OF THE LUMINAIRES BY 75%. THIS WILL PREVENT THE EXISTING BRIGHT SPOTS AND GLARE ISSUES AND ALLOW FOR A MORE UNIFORM LIGHTING SCHEME.
- INSTALL ALL PROPOSED LIGHTING AS SHOWN BUT ALLOW FOR FLEXIBILITY REGARDING EXISTING FOLIAGE AND TREES

Issue	Date	Description	By	Check	Verify
C3	08/09/18	TENDER	KC	HM	MT
C2	04/06/18	TENDER	KC	HM	MT
C1	12/01/18	TENDER	HM	MT	MT

Project	THE SILL, ONCE BREWED
Client	NNPAYYA
Architect	JDDK

Title	EXTERNAL CAR PARK LIGHTING LAYOUT
Drawing No.	BSXX(63)4001
Job No.	1007218
Scale	NTS
Drawing Status	A1

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