

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.

DO NOT SCALE FROM THIS DRAWING. IF IN DOUBT ASK.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND ALL OTHER PROJECT DOCUMENTATION.

DARK SKY CRITERIA

COMPLIANCE WITH THE LOCAL DARK SKY CRITERIA IS TO BE ACHIEVED USING PRECISE LIGHT CONTROL FROM LUMINAIRE HEAD/OPTIC.

NEW LUMINAIRES INSTALLED SHALL HAVE NO UPWARD LIGHT COMPONENT IN ACCORDANCE WITH DARK SKY COMPLIANCE. THE LOCAL AUTHORITY'S DARK SKY POLICY SHALL BE CONSULTED PRIOR TO INSTALLATION OF ANY EXTERNAL LIGHTING.

CONTROL OF EXTERNAL LIGHTING SHALL BE VIA TIME CLOCK AND PHOTOCELLS. A MANUAL OVERRIDE FACILITY SHALL ALSO BE PROVIDED.

THE FOLLOWING DESIGN PRINCIPLES SHALL BE ADOPTED:

- LIGHT WHAT IS NECESSARY ONLY
- LIGHT THE AREAS WE NEED TO ONLY
- LIGHT ONLY WHEN IT IS NECESSARY
- EXTERNAL LIGHTS AND THEIR LIGHT DISTRIBUTION SHALL BE POSITIONED SO AS TO AVOID LIGHT SPILL INTO THE SKY AND ONTO NEIGHBOURING PROPERTIES.

ALL NEW EXTERNAL LIGHT FITTINGS FOR SIGNS AND UPLIGHTING HAVE A LUMINOUS EFFICACY OF AT LEAST 60 LAMP LUMENS/CIRCUITWATT WHEN THE LAMP WATTAGE IS GREATER THAN OR EQUAL TO 25W OR 50 LAMP LUMENS/CIRCUITWATT WHEN THE LAMP WATTAGE IS LESS THAN 25W.

EXTERNAL LIGHT FITTINGS ARE TO BE CONTROLLED THROUGH A TIME SWITCH, OR DAYLIGHT SENSOR, TO PREVENT OPERATION DURING DAYLIGHT HOURS. DAYLIGHT SENSOR OVERRIDE ON A MANUALLY SWITCHED LIGHTING CIRCUIT IS ACCEPTABLE.

POL4; REDUCTION OF NIGHT TIME LIGHT POLLUTION

TO ENSURE THAT EXTERNAL LIGHTING IS CONCENTRATED IN THE APPROPRIATE AREAS AND THAT UPWARD LIGHTING IS MINIMISED, REDUCING UNNECESSARY LIGHT POLLUTION, ENERGY CONSUMPTION AND NUISANCE TO NEIGHBOURING PROPERTIES.

LEGEND

THORLUX SB19677 STARBEAM
ECO AREA DISTRIBUTION
COLUMN MOUNTED EXTERNAL
FLOODLIGHT 31W

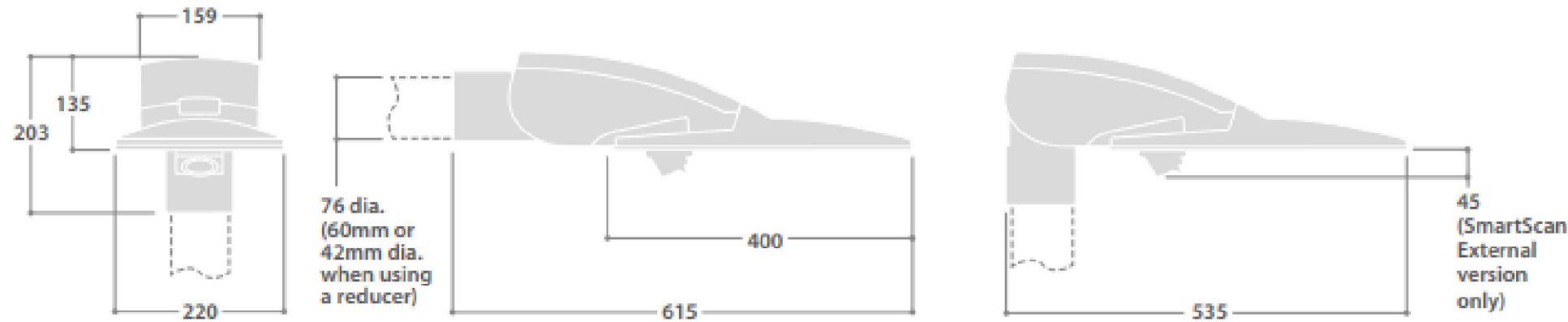
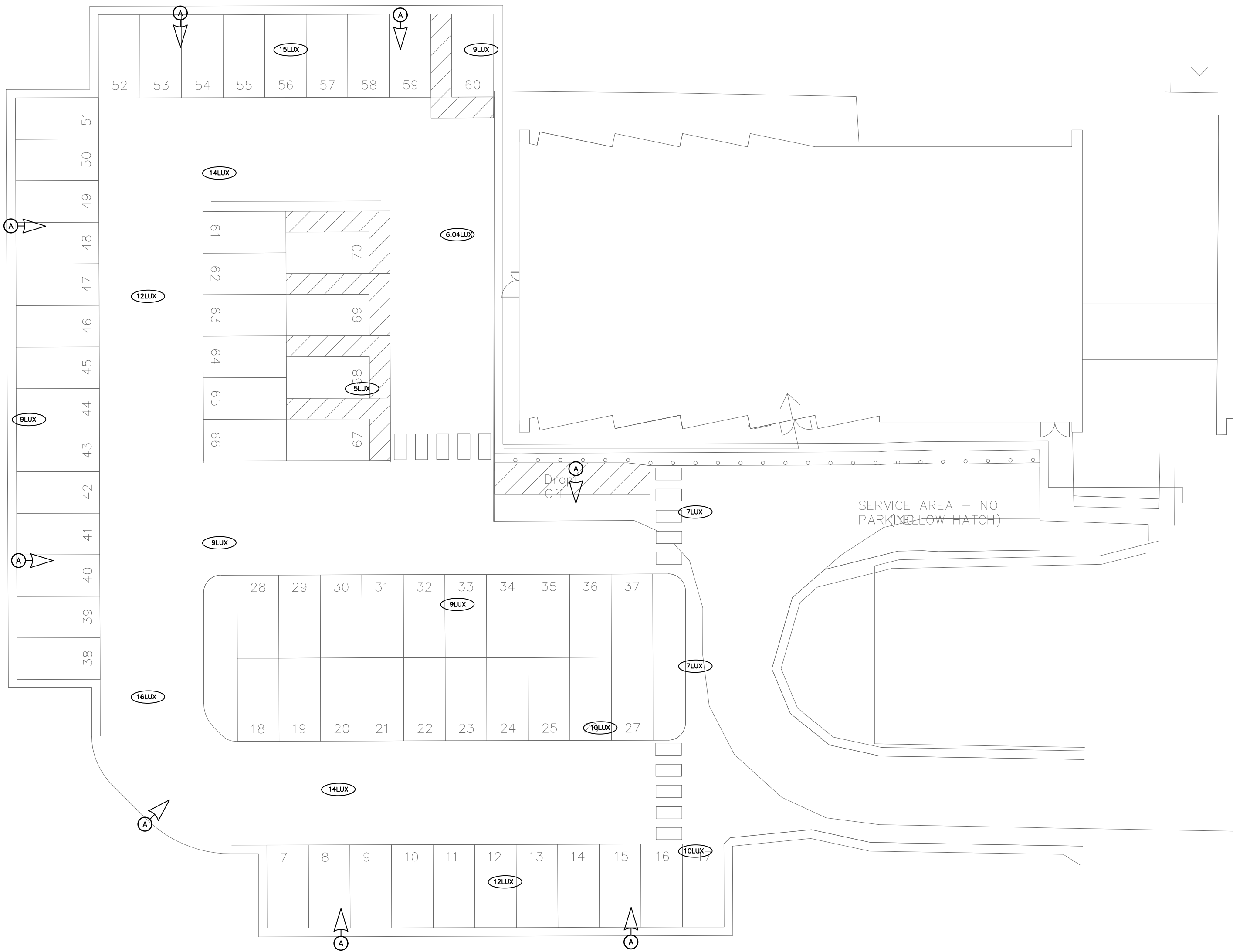
XXLUX LUX LEVEL FOR AREA

Revision	Date	Description
Client & Site		
MANCHESTER UNIVERSITY NHS FOUNDATION TRUST EXTERNAL WORKS CRUMPSALL VALE NMGH		
Title		
PROPOSED EXTERNAL WORKS PLAN		
Scale: 1:200 Size: A1 Drawn: EB Chkd: DK		
Drawing No. 4031 SHA XX 00 DR E 100 XX		
Project Origin Zone Level File Type Role Number Suitability Rev.		
4031 SHA XX 00 DR E 100 XX		
ISO19650 Compliant		



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ISSUE



AVERAGE CALCULATED LUX LEVEL = 11 LUX

- DESIGNED IN COMPLIANCE WITH SLL CODE FOR LIGHTING (10LUX) 3.13.2 "MEDIUM TRAFFIC, e.g. PARKING AREAS OF DEPARTMENT STORES, OFFICE BUILDINGS, PLANTS, SPORTS AND MULTIPURPOSE BUILDING COMPLEXES

