

LEGEND:



EX1
HOLOPHANE D-SERIES,
COLUMN/ BUILDING MOUNTED,
FORWARD THROW OPTIC,
22000 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 208
MOUNTING HEIGHT = AS DETAILED
TILT ANGLE = 0
BLS INDICATES COLUMN LUMINAIRE IS
FITTED WITH A BACKWARDS LIGHT SHIELD

EX2
HOLOPHANE D-SERIES,
BUILDING MOUNTED,
FORWARD THROW OPTIC,
16000 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 161
MOUNTING HEIGHT = AS DETAILED
TILT ANGLE = 0

EX3
HOLOPHANE D-SERIES,
BUILDING MOUNTED,
FORWARD THROW OPTIC,
11000 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 105
MOUNTING HEIGHT = AS DETAILED
TILT ANGLE = 0

EX4
HOLOPHANE D-SERIES,
COLUMN/ BUILDING MOUNTED,
FORWARD THROW OPTIC,
6500 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 52
MOUNTING HEIGHT = AS DETAILED
TILT ANGLE = 0
BLS INDICATES COLUMN LUMINAIRE IS
FITTED WITH A BACKWARDS LIGHT SHIELD

EX5
HOLOPHANE D-SERIES,
COLUMN MOUNTED,
FORWARD THROW OPTIC,
5000 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 34
MOUNTING HEIGHT = AS DETAILED
TILT ANGLE = 0
BLS INDICATES COLUMN LUMINAIRE IS
FITTED WITH A BACKWARDS LIGHT SHIELD

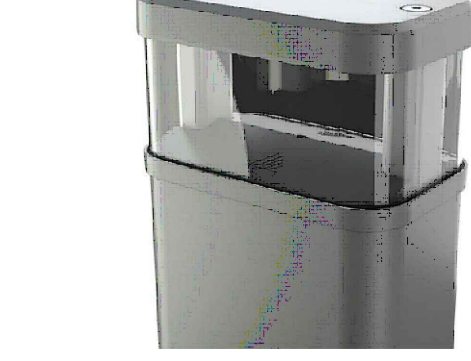


EX6
SCHREDER AXIA 3.2,
COLUMN MOUNTED,
OPTIC (5267),
9857 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 69
MOUNTING HEIGHT = AS DETAILED
TILT ANGLE = 0
BLS INDICATES COLUMN LUMINAIRE IS
FITTED WITH A BACKWARDS LIGHT SHIELD

EX7
SCHREDER AXIA 3.2,
COLUMN MOUNTED,
OPTIC (5267),
10945 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 78
MOUNTING HEIGHT = AS DETAILED
TILT ANGLE = 0
BLS INDICATES COLUMN LUMINAIRE IS
FITTED WITH A BACKWARDS LIGHT SHIELD



EX8
HOLOPHANE DENVER ID WALL,
BUILDING MOUNTED,
NARROW OPTIC,
1000 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 12
MOUNTING HEIGHT = AS DETAILED



EX9
HOLOPHANE DENVER ELITE BOLLARD,
BOLLARD MOUNTED,
SYMMETRIC SINGLE LENS,
1000 INITIAL LUMENS PER LAMP
COLOUR TEMPERATURE: 3000K
MAINTENANCE FACTOR = 1
WATTS PER LUMINAIRE = 12
MOUNTING HEIGHT = AS DETAILED

1 LUX CONTOUR
0.5 LUX CONTOUR

THE RESULTS FOR EACH UNIT AND THE
ACCESS ROAD PRESENTED WITHIN THE
REPORT HAVE BEEN CALCULATED
SEPARATELY TO ELIMINATE RELIANCE ON
SPILL LIGHTING AND ENSURE REQUIRED
LEVELS ARE ACHIEVED, EVEN WHEN
NEIGHBOURING UNITS ARE UNOCCUPIED.
SPILL AND UWLR HAVE BEEN
CALCULATED WITH ALL LUMINAIRES ON
TO SHOW THE WORST CASE SCENARIO AS
SHOWN IN THIS DRAWING.

THIS DRAWING IS AN INDICATIVE LAYOUT ONLY, DEMONSTRATING
THE CONCEPTUAL REQUIREMENTS CORRELATING WITH THE
AGREED SCHEMATIC SOLUTIONS. THE PURPOSE OF THIS DRAWING
IS TO DEMONSTRATE DESIGN INTENT, FOR FURTHER
DEVELOPMENT BY THE RELEVANT SERVICES DESIGNER ONLY.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE
ELECTRICAL PERFORMANCE SPECIFICATION & ALL RELEVANT
ARCHITECTURAL/ ENGINEERING DRAWINGS. DETAILED & FULLY
COORDINATED INSTALLATION DRAWINGS SHALL BE PROVIDED BY
THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH THE
SPECIFICATION.

0	00000000	ISSUED FOR LAYOUT	CP	FW
1	21000000	ISSUED FOR LAYOUT & ACCESS ROAD LIGHTING FOR PLANNING	CP	FW
2	01000000	ISSUED FOR PLANNING	CP	FW
3	00000000	ISSUED FOR PLANNING	CP	FW
4	20000000	ALTERNATIVE TO ACCESS ROAD LIGHTING	AN	VS
5	00000000	PRELIMINARY	AN	VS
6	00000000	00000000	AN	VS

CPW

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RIBA Stage

STAGE 3

Client

Portsmouth City Council

Project
DUNSIBURY PARK
PORTSMOUTH

Drawing Title

UNIT 100 S21 502
ELECTRICAL SERVICES INSTALLATION
PROPOSED EXTERNAL LIGHTING LAYOUT

Scale (MM)

1:500

Date

SEP 21

By

KM

VS

1500

22

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2001

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NOTES:

- ELECTRICAL CONTRACTOR TO VERIFY LIGHTING DESIGN PRIOR TO INSTALLATION AS THIS IS ONLY A CONCEPTUAL DESIGN.
- ELECTRICAL CONTRACTOR TO READ THIS DRAWING IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
- ELECTRICAL CONTRACTOR TO ENSURE CABLES AND LIGHTING COLUMNS ARE LOCATED SUCH THAT THEY WILL NOT BE AFFECTED BY THE FUTURE GROWTH OF THE TREE ROOT, ETC.
- ALL EXTERNAL LIGHTING IS TO BE CONTROLLED WITH A PHOTO CELL (LOCATION TO BE CONFIRMED) SUCH THAT THE LIGHTING WILL ENERGISE AT LOW AMBIENT LIGHTING AND WILL REMAIN OPERATIONAL DURING THE HOURS OF DARKNESS.
- THE LIGHTING DESIGN TO COMPLY WITH THE CIBSE GUIDE L08: THE OUTDOOR ENVIRONMENT, BS EN 12464-2 LIGHTING OF WORK PLACES, BS 5489-1:2013 CODE OF PRACTICE FOR DESIGN OF ROAD LIGHTING AND ALL LATEST ADDITIONS.
- NO SHRUBBERY/FOLIAGE HAS BEEN ALLOWED WITHIN THE LIGHTING CALCULATION TO ALLOW FOR WORST CASE ON THE LIGHTING OVERSPILL.
- ACCESS ROAD LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH HAMPSHIRE COUNTY COUNCIL TECHNICAL GUIDANCE NOTE TG13 - STREET LIGHTING.
- SPILL LIGHTING HAS ALSO BEEN CALCULATED WITH ALL LUMINAIRES ON TO SHOW THE WORST CASE RESULTS.
- ALL LUMINAIRE TO HAVE A COLOUR TEMPERATURE OF 3000K (IN LINE WITH THE ECOLOGIST REQUIREMENTS).
- ROAD LIGHTING DESIGNED TO COMPLY WITH BS5489-1:2013 CODE OF PRACTICE FOR DESIGN OF ROAD LIGHTING.
- ALL LIGHTING COLUMNS AND LANTERNS TO BE IN THE SAME COLOUR AND FINISH, TO BE AGREED WITH CLIENT PRIOR TO TENDER. ALL ACCESS ROAD FITTINGS AND COLUMNS SHALL BE TO HAMPSHIRE COUNTY COUNCIL ADOPTABLE STANDARDS. ALL BUILDING MOUNTED LUMINAIRES TO MATCH CLADDING COLOUR AS CLOSE AS POSSIBLE USING STANDARD RAL COLOURS.
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE CPW EXTERNAL LIGHTING REPORT.
- ACCESS ROAD PEDESTRIAN CROSSING COLUMNS (REF EX7) TO BE INSTALLED WITH BELUSHA BEACONS IN ACCORDANCE WITH HAMPSHIRE COUNTY COUNCIL REQUIREMENTS.

EXISTING STREET LIGHTING COLUMN RELOCATION

