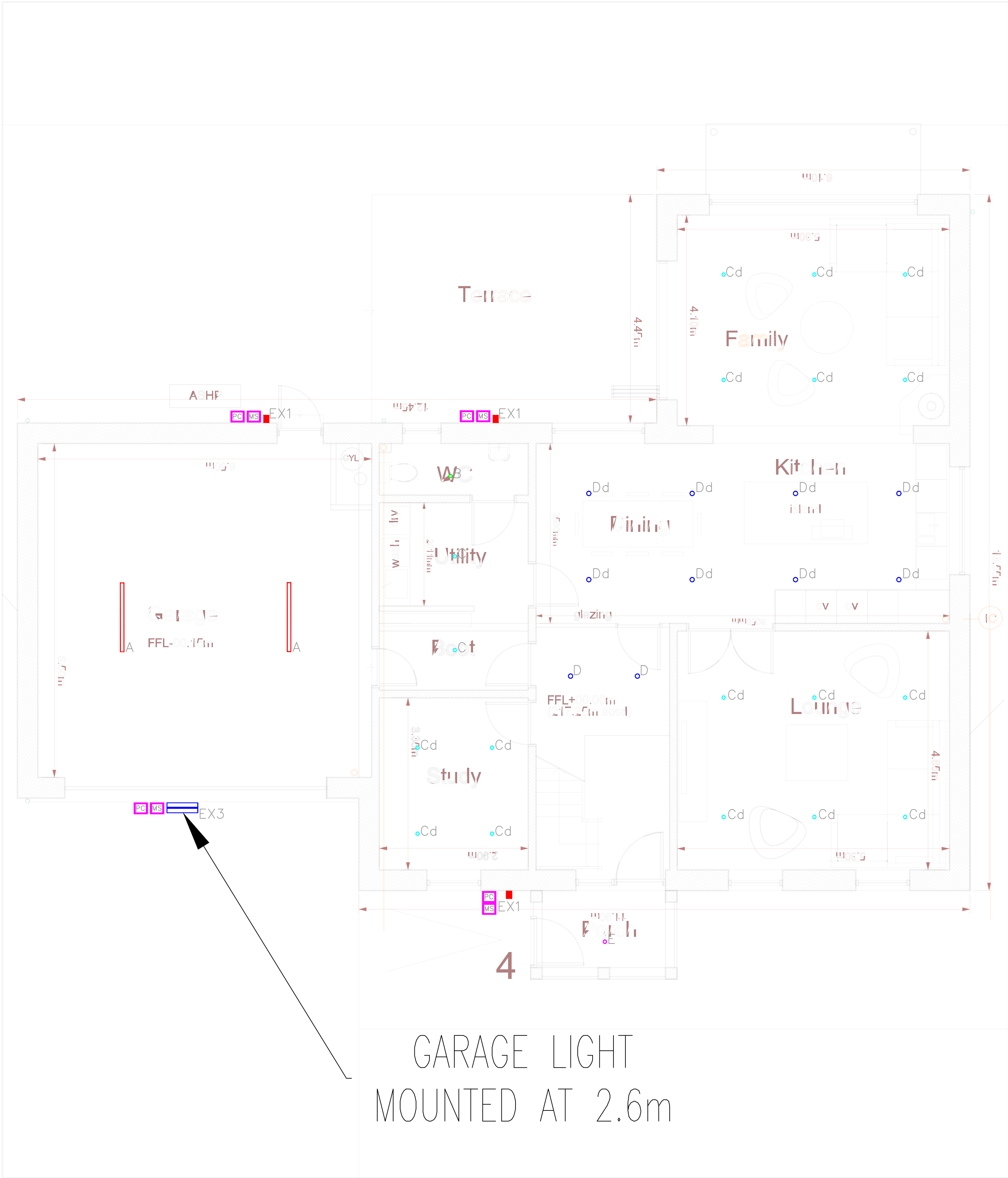
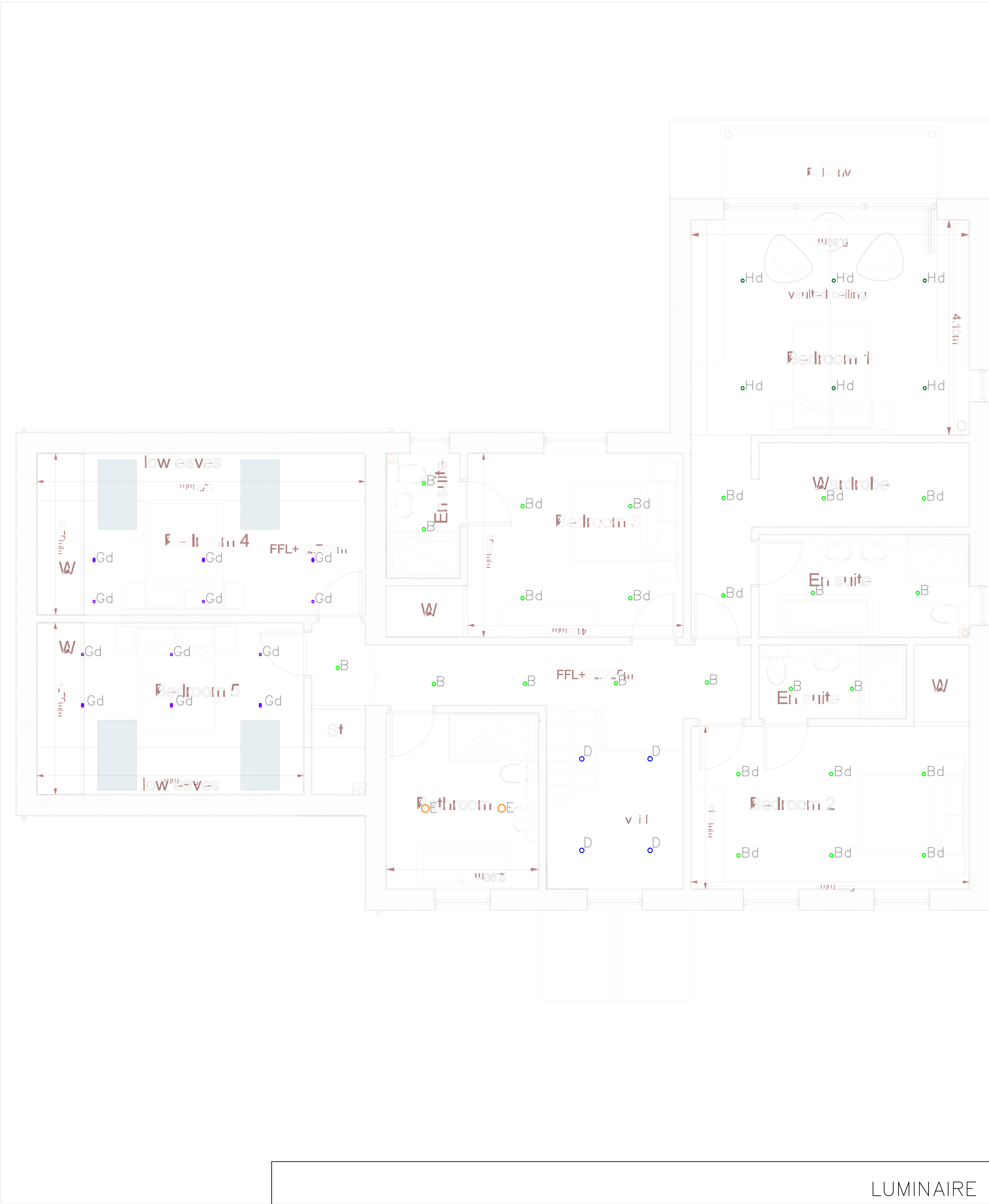




Ground Floor



First Floor

#	Name	Parameter	Min	Average	Min/average
GF	Bottom Tread	Perpendicular illuminance	180 lx	205 lx	0.88
GF	Working plane (Garage)	Perpendicular illuminance	180 lx	315 lx	0.57
GF	Working plane (Study)	Perpendicular illuminance	176 lx	208 lx	0.85
GF	Working plane (Utility/Boot Hall)	Perpendicular illuminance	84.0 lx	113 lx	0.74
GF	Working plane (WC)	Perpendicular illuminance	62.9 lx	109 lx	0.58
GF	Working plane (Porch)	Perpendicular illuminance	155 lx	356 lx	0.44
GF	Working plane (Landing)	Perpendicular illuminance	186 lx	247 lx	0.75
GF	Working plane (Lounge)	Perpendicular illuminance	129 lx	178 lx	0.72
GF	Working plane (Family)	Perpendicular illuminance	170 lx	195 lx	0.87
GF	Working plane (Kitchen/Dining)	Perpendicular illuminance	262 lx	335 lx	0.78

#	Name	Parameter	Min	Average	Min/average
FF	Working plane (Bedroom 4)	Perpendicular illuminance	109 lx	178 lx	0.61
FF	Working plane (Bedroom 5)	Perpendicular illuminance	116 lx	230 lx	0.50
FF	Working plane (Upper Landing)	Perpendicular illuminance	219 lx	390 lx	0.56
FF	Working plane (Bathroom)	Perpendicular illuminance	157 lx	262 lx	0.60
FF	Working plane (En Suite)	Perpendicular illuminance	154 lx	323 lx	0.48
FF	Working plane (Bedroom 3)	Perpendicular illuminance	117 lx	198 lx	0.59
FF	Working plane (Bedroom 2)	Perpendicular illuminance	172 lx	240 lx	0.72
FF	Working plane (En Suite)	Perpendicular illuminance	115 lx	137 lx	0.84
FF	Working plane (En Suite)	Perpendicular illuminance	124 lx	209 lx	0.59
FF	Working plane (Hall)	Perpendicular illuminance	138 lx	205 lx	0.67
FF	Working plane (Bedroom 1)	Perpendicular illuminance	309 lx	358 lx	0.86
FF	Working plane (Upper Landing)	Perpendicular illuminance	270 lx	327 lx	0.83

GENERAL NOTES

- DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL SERVICE DRAWINGS.
- DRAWING SHALL NOT BE SCALED FROM.

LIGHTING DESIGN PARAMETERS

- ALL LIGHTING CALCULATIONS GENERATED USING A MAINTENANCE FACTOR OF 1.00.
- LIGHTING CALCULATIONS REPRESENT 'DAY 1' ILLUMINATION VALUES.
- GLAZING APERTURES SIMULATED WITH THE BELOW VALUES:

Reflection Factor = 10%
Transmission = 90%
Refractive Index = 1.5

MITIGATION FACTORS

INTERNAL LIGHTING

- ALL INTERNAL LIGHTING IN SIGNIFICANT PROXIMITY TO GLAZED APERTURES (WINDOWS/DOORS) IS 3000K CCT OR LESS.
- WHERE APPROPRIATE, INTERNAL LIGHTING IS DIMMABLE TO PROVIDE ADDITIONAL CONTROL OVER ILLUMINATION (NON-CIRCULATION AREAS).

EXTERNAL LIGHTING

- ALL EXTERNAL LIGHTS ARE OF 3000K CCT OR LOWER
- ALL EXTERNAL LIGHTS GENERATE 0% UPWARD LIGHT WHEN MOUNTED WITH 0° UPWARD TILT.
- ALL EXTERNAL LIGHTS SHOULD BE CONNECTED TO MOTION SENSORS AND/OR PHOTOCELLS TO REDUCE ILLUMINATION TIMES (THIS IS AT THE DISCRETION OF THE CLIENT AND THEIR PREFERRED ELECTRICAL CONTRACTOR TO DETERMINE SUITABLE PLACEMENT)

LUMINAIRE SCHEDULE

Index	Manufacturer	Article name	Item number	CCT	Dimmable	Luminous flux	Connected load	Quantity
A	Kellwood Lighting	Nairn 2 Series – IP65 Industrial Linear – 63W – 5ft. – Frosted Diffuser – 5000K – 120° Beam Angle	NAI2-PA63A(63W)-850-FR	5000K	N/A	10009 lm	60 W	2
B	Kellwood Lighting	Kellwood Lighting – Webster Series – 8W 3" Premium IP65 LED Downlight – CRI>80 3000K – 60A° Beam Angle	WEB-8A-830-60	3000K	N/A	594 lm	8.3 W	12
Bd	Kellwood Lighting	Kellwood Lighting – Webster Series – 8W 3" Premium IP65 LED Downlight – CRI>80 3000K – 60A° Beam Angle	WEB-8A-830-60	3000K	TRIAC	594 lm	8.3 W	14
C	Kellwood Lighting	Kellwood Lighting – Webster Series – 10W 3" Premium IP65 LED Downlight – CRI>80 3000K – 60A° Beam Angle	WEB-10A-830-60	3000K	N/A	713 lm	10.3 W	2
Cd	Kellwood Lighting	Kellwood Lighting – Webster Series – 10W 3" Premium IP65 LED Downlight – CRI>80 3000K – 60A° Beam Angle	WEB-10A-830-60	3000K	TRIAC	713 lm	10.3 W	16
D	Kellwood Lighting	Kellwood Lighting – Webster Series – 15W 4" Premium IP65 LED Downlight – CRI>80 3000K – 60A° Beam Angle	WEB-15B-830-60	3000K	N/A	1167 lm	14.3 W	6
Dd	Kellwood Lighting	Kellwood Lighting – Webster Series – 15W 4" Premium IP65 LED Downlight – CRI>80 3000K – 60A° Beam Angle	WEB-15B-830-60	3000K	TRIAC	1167 lm	14.3 W	8
E	Kellwood Lighting	Kellwood Lighting – Webster Series – 8W 3" Premium IP65 LED Downlight – CRI>80 3000K – 24A° Beam Angle	WEB-8A-830-24	3000K	N/A	617 lm	8.2 W	1
F	Kellwood Lighting	Kellwood Lighting – Whitelaw Series – 15W 6" Premium IP65 LED Downlight – CRI>80 3000K – 90° Beam Angle Opal Lens	WHI-15A-830-90	3000K	N/A	1273 lm	14.4 W	2
Gd	Ansell Lighting	Prism Pro CCT Fire Rated Gimbal	APRIPG/1/WH	3000K	TRIAC	671 lm	6.9 W	12
Hd	Ansell Lighting	Ruby LED	ARULEDP/WW/B	3000K	TRIAC	1540 lm	15.4 W	6
EX1	Kellwood Lighting	Baker Series – LED Bulkhead – 10W – 230mm – CRI>80 2700K	BAK-10-827	3000K	N/A	319 lm	9.4 W	3
EX3	Kellwood Lighting	McFarlane 5 Series: Premium LED Floodlight and Bay Light – 40W – Nichia 3535 LED Chip – CRI>70 3000K – IESNA Type III Optic with Medium Lateral Throw – Backspill Guard	MCF5A-40-730-3M	3000K	N/A	5787 lm	40.1 W	1
MS/PC	To Be Supplied By Electrical Contractor	Motion Sensor/Photocell (Either Combination Units or Dedicated Units for each function)	N/A	N/A	N/A	N/A	N/A	4

ALL EXTERIOR LIGHTS
MOUNTED AT 2.2m

Drawn By:
MTKB

Checked By:
DCN

000	REASON	INITIALS	DATE
REV	DESCRIPTION	CHK	DATE

Project:
Design Space Architecture
Leapings Lane
Lighting

Services:
LIGHTING LAYOUT
PLOT 4

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Scale: DO NOT SCALE	Date: 21/02/25
Drawing No. PL0008688-DESI05-006	Revision. 0