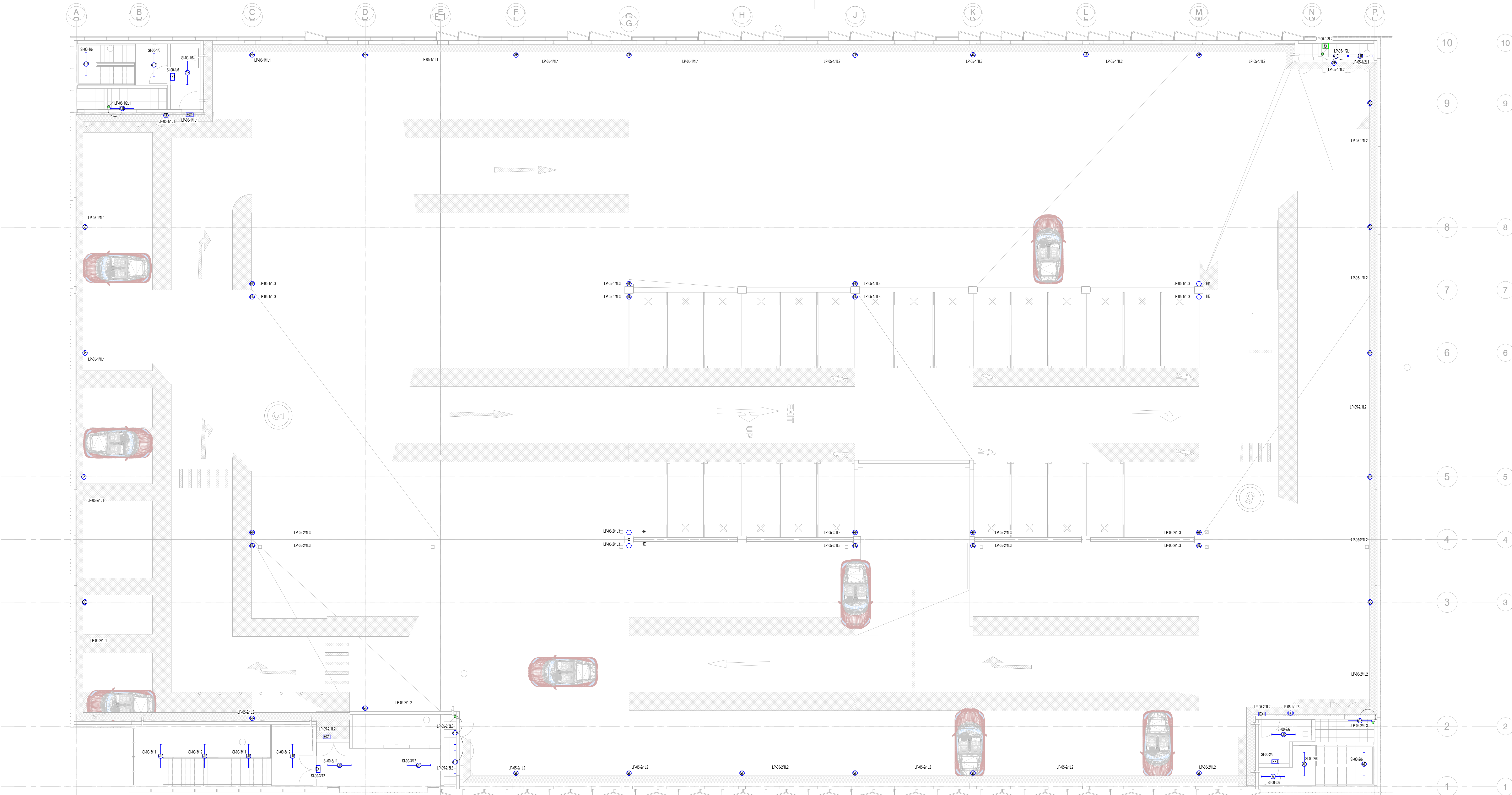


LUMINAIRE SCHEDULE - THORN LIGHTING	
LUMINAIRE REF	LUMINAIRE TYPE
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-ANTICORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)
	1500mm LINEAR SURFACE MOUNTED SUSPENDED LED LUMINAIRE - THORNSPEC EDO-WAY-CORROSE (3700m, 24w, PPL, SMARTSCAN, SMARTSCAN, EMERGENCY, 4000K)

- LIGHTING NOTES**
1. STAIRCORE LIFT LOBBY AND STAIRCASE LOBBIES LIGHTING SHALL OPERATE ON PRESENCE, THEN SETBACK TO MAINTAINED LIGHT LEVEL. AFTER A SET PERIOD OF ABSENCE THE LIGHTS SHALL SET BACK TO 10% OUTPUT.
 2. EXTERNAL CYCLE STORE LIGHTING CONTROLS TO BE PHOTOCELL WITH OCCUPANCY DETECTION.
 3. PERIMETER BUILDING & ROOF LIGHTING CONTROLS TO BE PHOTOCELL WITH TIMECLOCK OVERRIDE.
 4. OFFICE LIGHTING CONTROLS TO BE OCCUPANCY DETECTION WITH MANUAL OVERRIDE AND DIMMING.
 5. ALL LUMINAIRES TO BE PROVIDED WITH INTEGRAL OCCUPANCY SENSOR. CAR PARKING BAYS AND TRAFFIC ROUTE LIGHTING SHALL OPERATE ON PRESENCE, THEN DIM DOWN TO MAINTAINED OUTPUT LEVELS. THE LIGHT SHALL THEN SET BACK TO 10% OUTPUT AFTER A PERIOD OF 10 MIN.
 6. THE CAR PARK AREAS LIGHTING SHALL OPERATE IN ZONES, SO THAT ALL THE LIGHTS IN THE ZONE SPARE IN PRESENCE.
 7. CHANGING ROOMS, HCS, SHOWER AND CYCLE STORE TO OPERATE ON PRESENCE. FOR AFTER A SET PERIOD OF THE SWITCH OFF.
 8. LIGHTING ZONES TO BE SPLIT AS FOLLOWS:
PARKING BAYS (4 ZONES)
TRAFFIC ROUTES (4 ZONES)
HALLS
- LEGEND**
- SWARTSCAN GATEWAY MASTER CONTROL AND WIRE INTERFAZE WITH SWARTSCAN WIRELESS COMMUNICATION
 - MANUAL LIGHT SWITCH



05 - Lighting Design
1:100

REV	DESCRIPTION	DATE	CHK	DRN
001	STAGES 1 - ISSUED FOR CONSTRUCTION	28/03/22	AS	HW
002	INTERNAL REVIEW & ISSUE	24/03/22	AS	HW
003	PRELIMINARY ISSUE	11/02/22	AA	DEH
004	REVISED ISSUE	03/03/22	AA	DEH

NHS
Manchester University
NHS Foundation Trust

APPOINTED PARTY LOGO/INFORMATION

MORGAN **intech**
SINDALL

PROJECT

NMGH MSCP

TITLE
ELECTRICAL SERVICES
GENERAL & EMERGENCY LIGHTING
FIFTH FLOOR
GENERAL ARRANGEMENT LAYOUT

STATUS
S4
PURPOSE OF ISSUE
FOR CONSTRUCTION

DRAWN BY
AA
CHECKED BY
DEH
DATE
11/02/22

SCALE (@A0)
As indicated
PROJECT NUMBER
4618

FILE DRAWING NUMBER
20200-IES-NM110-05-DR-E-6301
REV.
C01