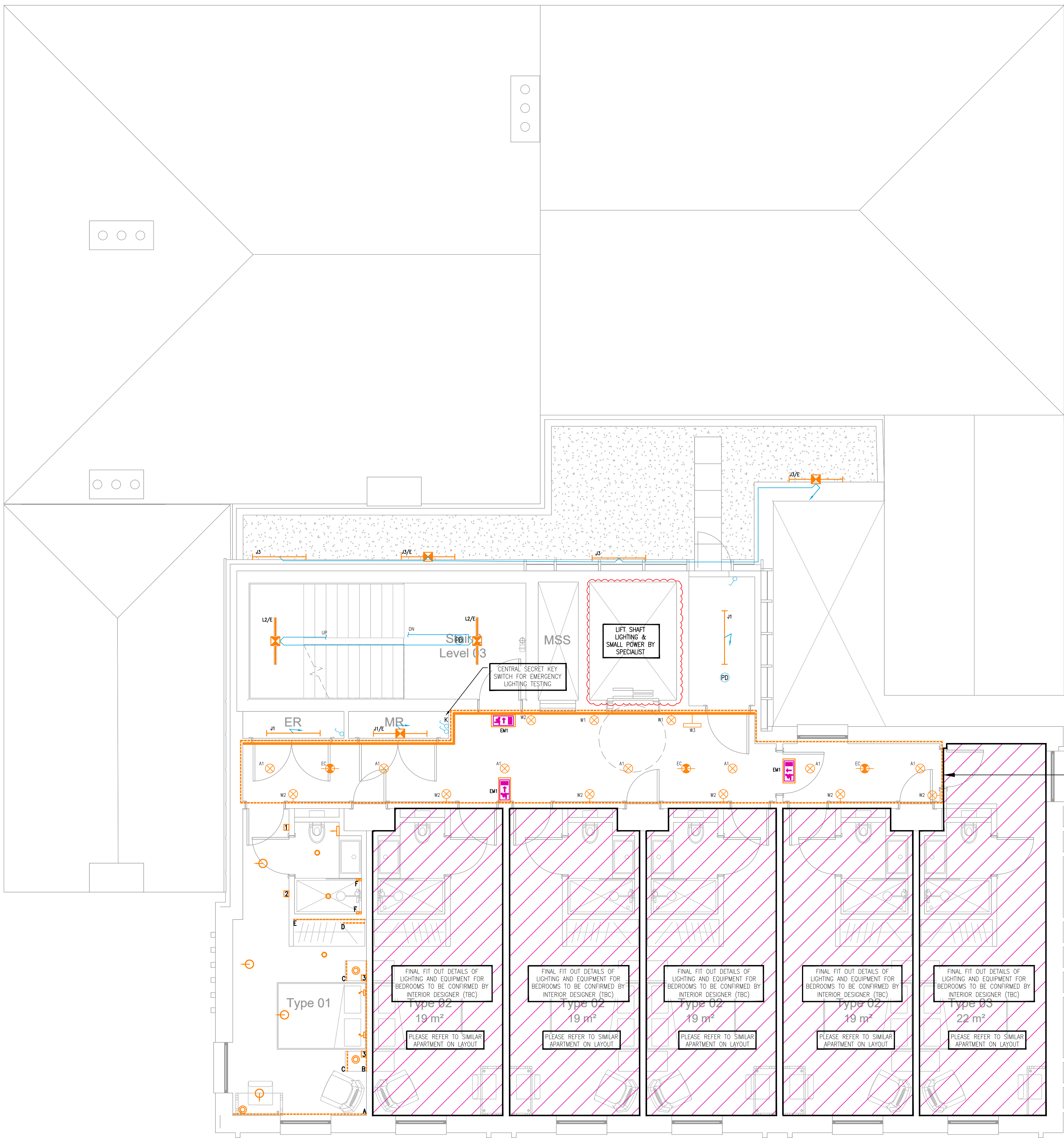
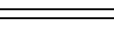




LIGHTING & EMERGENCY LIGHTING	
SYMBOL	REFERENCE
	SURFACE SINGLE LINEAR LUMINAIRE (X DENOTES FITTING REF)
	SURFACE SINGLE LINEAR LUMINAIRE C/W EMERGENCY LIGHTING SELF CONTAINED CONVERSION MODULE (X DENOTES FITTING REF)
	ENCLOSED LUMINAIRE, ANY TYPE (X DENOTES FITTING REF)
	ENCLOSED LUMINAIRE, ANY TYPE C/W EMERGENCY LIGHTING SELF CONTAINED CONVERSION MODULE (X DENOTES FITTING REF)
	LED DRIVER
	WALL LIGHT (X DENOTES FITTING REFERENCE) (/E DENOTES EMERGENCY CONVERSION)
	WALL MOUNTED EMERGENCY EXIT SIGN C/W DIRECTION ARROW
	WALL LIGHT (X DENOTES FITTING REFERENCE)
	SELF CONTAINED SQUARE/RECTANGULAR EMERGENCY LUMINAIRE

SWITCHING & CONTROLS	
SYMBOL	REFERENCE
	ONE POLE ONE WAY SWITCH
x_0 	ONE POLE ONE WAY SWITCH (X DENOTES NO. OF GANGS)
	ONE POLE TWO WAY SWITCH

- | | |
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| <p>PROTECTED BY UK COPYRIGHT LAW
DO NOT SCALE OFF THIS DRAWING</p> | |
| <p>DESIGNERS RISK ASSESSMENT
Under section 11, 18 - Construction (Design and Management)
Regulations 2015</p> | |
| <p>SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
There are no significant, unusual or location specific risks which are not obvious to a competent contractor or likely to be difficult to manage</p> | |
| <p>LIGHTING NOTES:</p> | |
| <p>1. THE LIGHTING INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH BS7671 IET WIRING REGULATIONS AND APPLICABLE BRITISH STANDARDS.</p> | |
| <p>2. THE LIGHTING FINAL CIRCUIT CABLING WITHIN AREAS SUCH AS SWITCHROOMS, PLASTERBOARD & EXTERNALS SHALL BE INSTALLED IN 157/60 SINGLES CABLES INSTALLED WITH GALVANISED STEEL TRUNKING/CONDUIT.</p> | |
| <p>3. THE LIGHTING FINAL CIRCUIT CABLING WITHIN ALL OTHER AREAS SHALL BE INSTALLED IN 157/60 422B CABLE INSTALLED WITH GALVANISED STEEL MEDIUM DUTY CABLE TRAY/BASKET WITHIN THE CEILING VOIDS. WIRING ZONES TO OUTLETS SHALL BE INSTALLED DURING WITH THE BUILDING FABRIC DRIPS ZONES TO BS7671 IET WIRING REGULATIONS TO THE RESPECTIVE OUTLET COMPLETE WITH RCD PROTECTION TO ALL CIRCUITS.</p> | |
| <p>4. UPON LEAVING THE CABLE TRAY/BASKET, CABLES SHALL BE APPROPRIATELY SUPPORTED/SEGREGATED AND INSTALLED WITHIN ALL SUITABLE FIRE RATED SUPPORT TO PREVENT PREMATURE COLLAPSE UNDER FIRE CONDITIONS.</p> | |
| <p>5. ALL LIGHTING ACCESSORIES/OUTLETS TO ALL GENERAL AREAS TO BE FLUSH MOUNTED WITH FINISH TO SUIT INTERIOR DESIGNERS SELECTION, NOTING WHITE PVC SHALL BE UTILISED FOR ALL BACK OF HOUSE AREAS UNLESS DETAILD OTHERWISE. ALL AREAS: ROOMS, PLANT ROOMS, RISERS AND EXTERNALS WHICH SHALL BE OF THE METAL CLAD TYPE. A SAMPLE BOARD IS TO BE PROVIDED TO OBTAIN CLIENT & ARCHITECT SIGN OFF FOR THE RESPECTIVE ACCESSORIES/OUTLETS.</p> | |
| <p>6. FINAL LOCATIONS AND HEIGHTS OF ACCESSORIES AND OUTLETS ARE TO BE AGREED WITH THE ARCHITECT AND CLIENT PRIOR TO INSTALLATION. REFERENCE SHOULD BE MADE TO THE RESPECTIVE ELEVATIONAL DETAILED DRAWINGS.</p> | |
| <p>7. PLEASE REFER TO THE LUMINAIRE SCHEDULES AND LIGHTING TECHNICAL SUBMISSION FOR THE PROPOSED LUMINAIRE SELECTIONS AND TYPES THROUGHOUT THE PROJECT. SAMPLES TO BE PROVIDED FOR CLIENT AND ARCHITECT SIGN OFF PRIOR TO INSTALLATION.</p> | |
| <p>8. EXACT LUMINAIRE CUT OUT DIMENSIONS TO BE PROVIDED TO THE CONTRACTOR TO ENABLE HOLES TO BE FORMED WITHIN PLASTERBOARD CELINGS. ADDITIONAL CEILING FIXING SUPPORT AND HOGGINS TO BE PROVIDED AS REQUIRED, TO PROVIDE THE NECESSARY SUPPORT WITHIN THE CEILING FOR THE INSTALLED LUMINAIRES.</p> | |
| <p>9. ANY REMOTE CONTROL GEAR FOR LUMINAIRES SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE AND SHALL NOT BE LAID ON THE BACK OF ANY CEILING SYSTEMS.</p> | |
| <p>10. WHERE NO ACCESSIBLE CEILING VOID EXISTS I.E. PLASTERBOARD, THEN LUMINAIRES SHALL BE TERMINATED DIRECTLY INTO THE LUMINAIRE AND PROVIDED WITH HEAT RESISTANT SLEEPING UP TO THE RESPECTIVE TERMINATION BLOCK.</p> | |
| <p>11. ALL MULTIFUNCTIONAL AUTOMATIC LIGHTING CONTROL DETECTORS I.E. PASSIVE, ASENCE AND MICROWAVE ARE TO BE CORRECTLY SELECTED TO ENSURE FULL COVERAGE AND TO AVOID DEAD SPOTS. DETECTORS TO HAVE ADJUSTABLE TIME CONTROL WHICH SHALL BE SET TO 15 MINUTES. DETECTORS TO BE SELECTED TO SUIT AS INSTALLED MOUNTING HEIGHTS TO ENSURE OPTIMUM COVERAGE IS PROVIDED IN ACCORDANCE WITH THE SPECIFIC MANUFACTURERS RECOMMENDATIONS.</p> | |
| <p>12. THE EMERGENCY LIGHTING LUMINAIRES ARE TO BE SELF CONTAINED NON MAINTAINED 3 HOUR DURATION AND COMBINED WITHIN THE GENERAL LUMINAIRE UNLESS NOTED OTHERWISE. TESTING SHALL BE PROVIDED VIA TEST KEY SWITCHES ENGRAVED "EMERGENCY LIGHTING TEST". TEST KEY SWITCHES TO BE TERMINATED TO SUIT AS INSTALLED MOUNTING HEIGHTS TO ENSURE OPTIMUM COVERAGE IS PROVIDED IN ACCORDANCE WITH THE SPECIFIC MANUFACTURERS RECOMMENDATIONS.</p> | |
| <p>13. PLEASE REFER TO THE ACCOMPANYING CIRCUIT CHARTS FOR ALL LIGHTING FINAL CIRCUIT CABLE SIZES/TYPES AND CIRCUIT PROTECTIVE DEVICE SIZES/RATINGS.</p> | |
| <p>14. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ACCOMPANYING M & E SERVICES GENERAL ARRANGEMENT LAYOUTS.</p> | |
| <p>15. WHERE LUMINAIRES ARE SUSPENDED FROM THE CEILING THEN BUILDING CONTRACTOR IS TO PROVIDE THE APPROPRIATE CEILING SUPPORTS, TO ENABLE A SECURE FIXING TO BE MADE FOR THE APPROPRIATE HIRE SUSPENSIONS. THESE SUSPENSIONS ARE TO BE POSITIONED AS APPROPRIATELY POSITIONED TO SUIT THE MANUFACTURERS RECOMMENDATIONS.</p> | |
| <p>16. WHERE ACCESSIBLE CEILINGS ARE PRESENT THEN CONNECTIONS TO LUMINAIRES SHALL BE TERMINATED INTO A POLE PLUG IN CEILING ROSES FOR GENERAL LUMINAIRES AND 4 POLE RED CEILING ROSES FOR EMERGENCY LUMINAIRES, AND SUITABLE RATED FOR THE CONNECTED LOAD CURRENT.</p> | |



-	P01	PRELIMINARY ISSUE	CW	BD	24.02.23
STA	REV	DESCRIPTION	DES	CHD	DATE

PURPOSE OF ISSUE	PRELIMINARY ISSUE
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CLIENT **DOMS**

PROJECT LIVERPOOL ROAD
MANCHESTER

TITLE

ELECTRICAL SERVICES
THIRD FLOOR
LIGHTING & EMERGENCY LIGHTING LAYOUT

SCALE 1:50	ORIGINAL SIZE A1	DATE JAN '23
DRAWN EG	DESIGNED CW	CHECKED BD