

## **TP&N DISTRIBUTION BOARD**

THRON LIGHTING EQUIVALENT

LEGEND

SURFACE MOUNTED ON ROD OR CONTAINMENT LED CIRCULAR WHITE DALI LUMINAIRE AS WHITECROFT PORTAL LED.22W, 2300Lm, 4000K LED.

## RECESSED LED DALI CIRCULAR WHITE DOWNLIGHTER AS WHITECROFT MIRAGE3 C165 | FD 16W 2010 m 4000K | FD WITH CLEAR GLASS COVER. SEMI SPECULAR OPTIC E - DENOTES COMPLETE WITH 3 HOUR DURATION EMERGENCY BATTERY PACK. OR

RECESSED SQUARE ARCHITECTURAL ADJUSTABLE GIMBAL DOWNLIGHT WITH HIGH OUTPUT LED AND REMOTE DALI DRIVER. 8W 1055Lm FOR EACH. S - DENOTES SINGLE SPOT. D - DENOTES DOUBLE SPOT. AS WHITECROFT MINION OR EQUIVALENT FROM THORN LIGHTING.

RECESSED IP44 LED DALI CIRCULAR WHITE DOWNLIGHTER AS WHITECROFT COMPACT R6 LED 21W, 2000Lm, 4000K LED, WITH OPAL DIFFUSER

E - DENOTES COMPLETE WITH 3 HOUR DURATION EMERGENCY BATTERY PACK. OR THRON LIGHTING EQUIVALENT

CEILING RECESSED NON-MAINTAINED EMERGENCY LUMINAIRE AS ZUMTOBEL RESCLITE PRO MINI ESCAPE HIGH OUTPUT OR WHITECROFT FLORIN E3

CEILING RECESSED NON-MAINTAINED EMERGENCY LUMINAIRE AS ZUMTOBEL RESCLITE PRO MINI ANTI PANIC HIGH OUTPUT OR WHITECROFT FLORIN E3

CEILING RECESSED NON-MAINTAINED EMERGENCY LUMINAIRE AS ZUMTOBEL RESCLITE PRO MINI ANTI PANIC HIGH OUTPUT OR WHITECROFT FLORIN E3

CEILING SURFACE MOUNTED NON-MAINTAINED EMERGENCY LUMINAIRE AS ZUMTOBEL RESCLITE PRO MINI ANTI-PANIC HIGH OUTPUT OR WHITECROFT FLORIN F3

CEILING SURFACE MOUNTED NON-MAINTAINED EMERGENCY LUMINAIRE AS ZUMTOBEL RESCLITE PRO MINI SPOT OR WHITECROFT FLORIN E3

- SURFACE WALL MOUNTED ABOVE DOOR SINGLE SIDED MAINTAINED OPERATION EMERGENCY ESCAPE SIGN AS ZUMTOBEL ONLITE ARTSIGN OR EQUIVALENT. ARROW DENOTES DIRECTION OF TRAVEL, AHEAD, LEFT, RIGHT, DOWN.
- EX2S CEILING SURFACE MOUNTED SINGLE/DOUBLE EX2D SIDED MAINTAINED OPERATION EMERGENCY ESCAPE SIGN AS ZUMTOBEL ONLITE PURESIGN S=SINGLE SIDE, D- DOUBLE SIDE.ARROW DENOTES DIRECTION OF TRAVEL, AHEAD, LEFT, RIGHT, DOWN.
  - EX3S CEILING RECESSED SINGLE/DOUBLE SIDED EX3D MAINTAINED OPERATION EMERGENCY ESCAPE SIGN AS ZUMTOBEL ONLITE PURESIGN S=SINGLE SIDE, D- DOUBLE SIDE ARROW DENOTES DIRECTION OF TRAVEL, AHEAD, LEFT, RIGHT, DOWN.

SUSPENDED ARCHITECTURAL LINEAR PENDANT LED ALUMINIUM PROFILE LUMINAIRE 1250mm LENGTH WITH SUSPENSION KIT 24.6W, 2875Lm POD LED OPTIC. DIRECT LIGHT DISTRIBUTION ONLY. AS WHITECROFT AVENUE METRO SUSPENDED VITALITY OR EQUIVALENT FROM THORN LIGHTING.

RECESSED ARCHITECTURAL LINEAR LED ALUMINIUM PROFILE LUMINAIRE 1250mm LENGTH WITH RECESSING KIT 24.6W 2875I m POD LED OPTIC DALL DIREC LIGHT DISTRIBUTION ONLY, AS WHITECROFT AVENUE METRO RECESSED VITALITY OR EQUIVALENT FROM THORN LIGHTING.

1200mm SURFACE ARCHITECTURAL LINEAR LED DALI LUMINAIRE WITH OPAL DIFFUSER. 4200Lm 29W 4000K LED, AS WHITECROFT STILETTO LED OR EQUIVALENT FROM THORN LIGHTING

1200mm SURFACE IP66 LINEAR LED DALI LUMINAIRE WITH DIFFUSER. 6425Lm 46W 4000K LED. AS WHITECROFT ACL INDUSTRY OR EQUIVALENT FROM THORN LIGHTING. E -DENOTES INTEGRAL 3 HOUR DURATION EMERGENCY BATTERY PACK

1200mm SURFACE MOUNTED IP66 IK08 ANTI CORROSSIVE ATEX ZONE 2 RATED LINEAR LED DALI LUMINAIRE WITH GRP HOUSING & POLYCARBINATE DIFFUSER. 4200Lm 40W 4000° K. AS WITHCROFT ACL VITAILITY LED OR FOUIVALENT FROM THORN LIGHTING E - DENOTES INTEGRAL 3 HOUR DURATION EMERGENCY BATTERY PACK

SUSPENDED 2000mm LENGTH ARCHITECTURAL LINEAR DALI DIMMABLE LED LUMINAIRE C/W ALUMINIUM PROFILE, SUSPENSION KIT, POD LED OPTIC, DIRECT LIGHT DISTRIBUTION ONLY. SUSPENDED 1500mm. AOVAPY234KW. DIRECT LIGHT DISTRIBUTION ONLY. AS WHITECROFT AVENUE METRO SUSPENDED VITALITY OR EQUIVALENT FROM THORN

LIGHTING.

CEILING RECESSED MODULAR IP54 RATED LED DALI LUMINAIRE WITH TP(a) DIFFUSER WITH SMOOTH OUTER FACE FOR CLEANING. 33W, 3290Lm, 4000K LED. LUMINAIRE AS WHITECROFT HYGIENE OR EQUIVALENT FROM THORN LIGHTING. E - DENOTES INTEGRAL 3 HOUR DURATION EMERGENCY BATTERY PACK

EXISTING OR NEW (SEE NOTES) DALI 35W 2700LM 3000K LED TRACK MOUNTED PENDANT LUMINAIRE C/W TRACK ADAPTOR WITH INTEGRAL DALI DRIVER STORED FROM STRIP OUT PHASE OF OTHER FLOORS AND REINSTALLED IN NEW LOCATION SHOWN. LUMINAIRES TO BE CLEANED, TESTED AND RECONNECTED TO TRACK. AS ORLIGHT CYMBAL

EXISTING OR NEW (SEE NOTES) SURFACE SUSPENDED TRACK SYSTEM STORED FROM STRIP OUT PHASE OF OTHER FLOORS AND REINSTALLED IN NEW LOCATION COMPLETE WITH END FEED UNIT AND SUPPORTS ETC. TRACK TO BE TESTED AND REINSTALLED IN NEW LOCATIONS SHOWN. ALLOW FOR REPLACEMENT SUPPORTS/BRACKETS AS REQUIRED. AS ORLIGHT ORLTL TRACK SYSTEM.

LED TAPE WITH OPAL COVER & DALI DRVIER MOUNTED TO REAR OF MIRRORS & WC SHADOW GAP IN TOILETS, FINAL REQUIREMENTS TO BE AGREED WITH ARCHITECT.

## NOTES:

DO NOT SCALE FROM THIS DRAWING.

- 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH KJ TAIT ELECTRICAL SPECIFICATION, MECHANICAL SERVICES DRAWINGS, ARCHITECTS AND STRUCTURAL ENGINEERS DRAWINGS.
- 2 ELECTRICAL INSTALLATION SHALL COMPLY FULLY WITH BS 7671: 2018 AND ALL CURRENT AMENDMENTS KJ TAIT ENGINEER'S SPECIFICATION AND THE EMPLOYER'S REQUIREMENTS.
- 3. THE EMERGENCY LIGHTING INSTALLATION SHALL FULLY COMPLY WITH BS5266: PART 1 2016 AND BSEN1838: 2013.
- THE GENERAL ARTIFICIAL LIGHTING SCHEME SHALL BE DESIGNED TO COMPLY WITH THE APPROPRIATE BUILDING STANDARDS BY FOLLOWING THE ADVICE AND GUIDANCE GIVEN IN THE SOCIETY OF LIGHT AND LIGHTING (CIBSE) CODE FOR LIGHTING.
- ENERGY EFFICIENT LED SOURCES DRIVERS, REFLECTORS AND CONTROLS SHALL BE USED THROUGHOUT. ALL LUMINAIRES UTILISING LED SOURCES LAMPS SHALL HAVE HIGH FREQUENCY DRIVERS ALL TENANT OFFICE LAB & WRITE UP AREAS SHALL HAVE AN
- AUTOMATIC LIGHTING CONTROL SYSTEM OPERATED BY TIMED OCCUPANCY AND AMBIENT LIGHT INPUTS, MANUAL OVERRIDE PROCESS HAS ALSO BEEN DESIGNED
- 7. ALL CABLING SHALL BE XLPE/LSF DRAWN INTO HDG CONDUIT AND TRUNKING
- ALL EMERGENCY CHARGE LED'S SHALL BE VISIBLE FROM BELOW THE LUMINAIRE.
- ALL LUMINAIRES INSTALLED WITHIN A DROPPED CEILING OR SUSPENDED CEILING GRID SHALL BE AFFORDED 1No. SECONDARY SUSPENSION USING GRIPPLE WIRE FROM THE CONCRETE SOFFIT.
- 10. ALL CABLING AND ACCESSORIES TO BE CONCEALED FLUSH FIXED WITH EXCEPTION OF PLANTROOMS AND CEILING VOIDS 11. ALL LED SOURCE COLOURS SHALL BE 4000K
- 12. ALL EMERGENCY SIGN LUMINAIRES TO BE SUPPLIED WITH CORRECT
- 13. A FULLY AUTOMATIC EMERGENCY LIGHTING MONITORING AND TESTING SYSTEM SHALL BE INSTALLED. EMERGENCY TEST FACILITIES VIA KEY SWITCH TO LIGHTING CONTROL SYSTEM TEST KEYSWITCHES SHALL BE LOCATED WITHIN RISER ADJACENT TO ACU'S AND DISTRIBUTION BOARDS
- 14. ALL TEST KEY SWITCHES TO BE LABELLED ACCORDINGLY.
- 15. ALL LIGHT SWITCHES TO BE GRID TYPE. ALL LIGHTING SWITCHES LINKED TO LCMS & HWLCMS OR DALI NETWORK SHALL BE 2WAY CENTRE RETRACTIVE TYPE.
- 16. LIGHT SWITCHES TO BE INSTALLED AT 1200mm FROM FINISHED FLOOR LEVEL. 17. ACCESSORIES SHALL BE AS FOLLOWS:
- MK LOGIC PLUS GENERALLY THROUGHOUT MK METALCLAD FLOOR/CEILING VOIDS
- 18. ALL LIGHTING CIRCUITS TO BE PROTECTED BY TYPE C MCB's. THESE SHALL GENERALLY BE 10AMP RATED WITH 2.5SQ.MM XLPE/LSF CIRCUITS

## NOTES REGARDING LUMINAIRE REFERENCE P1

- THE DESIGN INTENT IS THAT THE EXISTING P1 PENDANT LUMINAIRES AND ASSOCIATED T1 TRACK SHALL BE RETAINED AND REUSED. THERE ARE CURRENTLY 222No REF P1 LUMINAIRES
- INSTALLED (3No PER TRACK LENGTH). ASSUMING A WASTAGE FACTOR OF 20% THIS GIVES A FIGURE OF 177No LUMINAIRES TO BE REUSED WITHIN THE NEW LAYOUTS.
- 3. ALL LUMINAIRES REF P1 OVER AND ABOVE THIS NUMBER SHALL BE NEW LUMINAIRES TO MATCH EXISTING IN TERMS OF LUMEN OUTPUT, LAMP AND FINISH. AS ORLIGHT CYMBAL LUMINAIRES
- 4. CONTRACTOR TO ALSO INCLUDE FOR NEW LENGTHS OF T1 TRACK FOR EVERY 3No NEW LUMINAIRES AS BEING REQUIRED, EXACT AMOUNT OF NEW TRACK TO BE DETERMINED BY THE CONTRACTOR TO MATCH THE LAYOUT SHOWN



SINGLE WAY CENTRE RETRACTIVE LIGHT SWITCH \*N DENOTES NUMBER OF GANGS, WP DENOTES WEATHERPROOF.

2 WAY CENTRE RETRACTIVE LIGHT SWITCH \*N DENOTES NUMBER OF GANGS, WP DENOTES WEATHERPROOF.

EMERGENCY TEST KEY SWITCH

13AMP UNSWITCHED FUSED CONNECTION



NR

**E**M

EXISTING LIGHTING TO BE RETAINED AND PROTECTED DURING THE REFURBISHMENT WORKS. EXISTING CORE LIGHTING TO REMAIN OPERATIONAL AT ALL TIMES. ALLOW FOR ALTERING EXISTING CIRCUITING TO PROVIDE TEMPORARY SUPPLIES TO LIGHTING IN THESE AREAS DURING THE REPLACEMENT OF ANY DISTRIBUTION BOARDS THAT EFFECT THESE AREAS.

S4-P02 S4-P01 SUIT- REV STATUS	10/04/2024 26/01/2024 DATE	STAGE 3 CAT -B STAGE 3 CAT -B DESCRIPTION	SSUE SSUE		is Sh Drn	CD MT CHK
STAGE 3						
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PROJECT INFORMATION						
CLIENT PROJECT	OXF DEV LON	OXFORD VICTORIA HOUSE DEVELOPMENT LTD LONDON, WC1B 4DA				
DRAWING INFORMATION						
DRAWING TITLE ELECTRICAL SERVICES 1ST FLOOR LIGHTING LAYOUT SHEET 2 of 2						
DESIGNED I	ву SH		DATE	DATE JAN 2024		24
DRAWN BY	MZ		KJT JOB N	о.		
SCALE	1:1	100 @ A1		L3:	221	
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