



Notes:

THE COMPLETE LANDLORD BUILDING NETWORK FIBRE INFRASTRUCTURE AND STRUCTURED CABLING SYSTEM SHALL BE DESIGNED, SUPPLIED, INSTALLED, TESTED AND WARRANTED BY A SPECIALIST IT/TELECOMS CONTRACTOR WHO SHALL BE APPOINTED AS A SPECIALIST SUBCONTRACTOR UNDER THE ELECTRICAL CONTRACT WORKS. REFER TO KJ TAIT OUTLINE OF ENGINEERING SERVICES DOCUMENT FOR FULL DETAILS OF THE SYSTEM REQUIREMENTS AND IT/TELECOMS SPECIALIST.

THE NOMINATED LANDLORD SPECIALIST IT/TELECOMS CONTRACTOR SHALL BE LLORET

THIS DRAWING IS INDICATIVE OF THE DESIGN INTENT. CONTRACTOR TO CARRY OUT DETAILED DESIGN & CO-ORDINATION OF SERVICES TO SUIT ARCHITECTURAL & STRUCTURAL DESIGN, AS WELL AS OTHER SERVICES TO PROVIDE A COMPLETE SYSTEM.

THIS DRAWING MUST BE READ IN CONJUNCTION WITH KJ TAIT ENGINEERS OUTLINE OF ENGINEERING SERVICES SPECIFICATION AND IT/TELECOMS SPECIALIST.

DATA PROVISION FOR AV EQUIPMENT IS PROVISIONAL AND SUBJECT TO CONFIRMATION BY AV SPECIALIST CONTRACTOR.

FINAL LOCATION OF OUTLETS FOR WIFI ACCESS POINTS ARE SUBJECT TO COVERAGE SURVEY. THE STRUCTURED CABLING CONTRACTOR MUST CARRY OUT A BUILDING WIFI COVERAGE SURVEY AND PROVIDE A COVERAGE HEAT MAP (MINIMUM SIGNAL STRENGTH OF 65dB THROUGHOUT WORKING AREA) WITH PROPOSED WAP LOCATIONS AND SIGNAL STRENGTH PLOT (2.4GHZ & 5GHZ) FOR APPROVAL. TENDER ALLOWANCE SHOWN ON THE DRAWINGS.

FINAL OUTLET PROVISION FOR ACCESS CONTROL AND CCTV SYSTEMS IS PROVISIONAL. FINAL REQUIREMENTS TO BE AGREED WITH THE SECURITY SYSTEMS SPECIALIST CONTRACTOR.

FINAL OUTLET PROVISION FOR THE BMS SYSTEM IS PROVISIONAL. FINAL REQUIREMENTS TO BE AGREED WITH THE BMS SPECIALIST CONTRACTOR.

DATA OUTLETS ALLOWED FOR NOMINATED LIFTS BEING PROVIDED WITH DESTINATION CONTROLS. ALLOWANCE AT PRESENT. FINAL REQUIREMENTS TO BE CONFIRMED WITH LIFT CONSULTANT/SUPPLIER.

LEGEND:

- ▲ RJ45 CAT6a U/UTP DATA POINT
- X - DENOTES NO. OF OUTLETS
- FSB - DENOTES OUTLET INSTALLED WITHIN FLOOR SERVICE BOX
- WiFi - DENOTES OUTLETS FOR WIRELESS ACCESS POINT
- HL - DENOTES HIGH LEVEL
- CV - DENOTES CEILING VOID
- CCTV - DENOTES CAT6a OUTLET FOR IPCCTV CAMERA

FINAL MOUNTING LOCATIONS FOR CCTV CAMERAS TO BE CONFIRMED BY SECURITY SPECIALIST CONTRACTOR.

CABLING TO UTILISE CABLE BASKET IN CEILING VOID WITH CONDUITS TO OUTLETS. ALL CABLING/CONTAINMENT TO BE CONCEALED WHERE POSSIBLE. ELECTRICAL CONTRACTOR TO DESIGN AND ALLOW FOR NECESSARY CONTAINMENT FOR DATA OUTLETS. ALLOW FOR 3M SPARE CAT6a CABLE AT EACH POINT TO BE NEATLY COILED TO ALLOW FINAL POSITIONING OF OUTLETS.

--- 3 COMPARTMENT CAT6 COMPLIANT DADO TRUNKING OR BENCH MOUNTED TRUNKING ON ISLANDS

CAB 800x800mm 42U HIGH 19" DATA CABINET. COMPLETE WITH PDU, CABLE MANAGEMENT ETC. REFER TO IT SPECIALIST SPECIFICATION FOR DETAILS.

CAB WALL MOUNTED VERTICAL PATCH PANEL DATA CABINET. COMPLETE WITH PDU, CABLE MANAGEMENT ETC. REFER TO IT SPECIALIST SPECIFICATION FOR DETAILS.

FIBRE LANDLORD NETWORK FIBRE RISER LOCATION. ALLOW 200mm TRAY & 300mm TRAY FOR FUTURE TENANT SERVICES. FINAL POSITION TO BE COORDINATED WITH OTHER RISER SERVICES.

CSP CEILING SERVICES POD SERVING ISLAND BENCHES COMBINED POWER (INC RED PROTECTION) DATA AND GASES POD. FACTORY PRE-WIRED AND TESTED. CSP TO BE FIXED TO CEILING SUBSTRUCTURE AND FULLY RELOCATABLE. EACH CSP TO SERVE 2ND DESKS AND HAVE THE FOLLOWING:

- 32A 30mA RCBO PROTECTION
- 4NO TWIN 13A SOCKETS
- 2No RJ45 CAT6a DATA OUTLETS
- GAS OUTLETS REFER TO MECHANICAL DRGS

 REFER TO BIURO HAPPOLOD SPECIFICATION FOR FURTHER DETAILS ON CEILING SERVICES POD.

LANDLORD DATA OUTLET ALLOWANCE FOR METERING. FINAL QUANTITIES TO BE AGREED BETWEEN BMS AND SCS SPECIALISTS AND CONFIRMED DURING SUBCONTRACTOR TECHNICAL DESIGN / STAGE 5. OUTLETS TO BE FED FROM LANDLORD CABINET WITHIN RISER ON UPPER GROUND

LANDLORD DATA OUTLET ALLOWANCE FOR METERING. FINAL QUANTITIES TO BE AGREED BETWEEN BMS AND SCS SPECIALISTS AND CONFIRMED DURING SUBCONTRACTOR TECHNICAL DESIGN / STAGE 5. OUTLETS TO BE FED FROM LANDLORD CABINET WITHIN RISER ON UPPER GROUND

ALL EXISTING DATA OUTLETS WITHIN CORE AREAS TO REMAIN AS EXISTING AND RETAINED OPERATIONAL.

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LANDLORD WIFI PROVIDED TO LIFT LOBBIES (TO BE CONFIRMED). FED FROM LANDLORD CABINET WITHIN RISER ON UPPER GROUND

S4 - P02	10/04/24	STAGE 3 CAT-B ISSUE	CD	SH
S4 - P01	26/01/24	STAGE 3 CAT-B ISSUE	MZ	SH
SUIT-REV	DATE	DESCRIPTION	DRN	CHK

STAGE 3

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DRAWING INFORMATION

DRAWING TITLE ELECTRICAL SERVICES
1ST FLOOR STRUCTURED CABLING
LAYOUT SHEET 2 OF 2

DESIGNED BY KR DATE DEC 2023
DRAWN BY MZ KJT JOB No.
SCALE 1:150 @ A1 L3221
JOB CODE L3221 ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER
SUIT-REV S4-P02

- STRUCTURED CABLING SYSTEM NOTES:**
- THIS DRAWING TO BE READ IN CONJUNCTION WITH KJ TAIT ENGINEERS SPECIFICATION AND THE EMPLOYERS REQUIREMENTS.
 - THIS DRAWING INDICATES THE LAYOUT AND POSITION OF STRUCTURED CABLING OUTLETS ONLY. THE STRUCTURED CABLING SYSTEM (SCS) CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE DESIGN OF THE STRUCTURED CABLING SYSTEM AS NOTED WITHIN THE SPECIFICATION.
 - ALL STRUCTURED CABLING SYSTEM CABLES SHALL BE CAT6a U/UTP LSOH AND MINIMUM EUROCLASS CCA. ALL CABLING TO BE RUN ON OR WITHIN CONTAINMENT.
 - INTERNAL BACKBONE AND FINAL OUTLET CABLING SHALL BE ROUTED ON MDG CABLE BASKET WITHIN RISERS/CEILING/VOIDS SUPPLIED INSTALLED BY ELECTRICAL CONTRACTOR AND ON DATA MATTINGS WITHIN FLOOR VOIDS INSTALLED BY THE SCS CONTRACTOR.
 - SCS CONTRACTOR TO PRODUCE CABINET LAYOUT PLANS FOR ALL COMMS ROOMS AND ELEVATIONS FOR ALL CABINETS FOR APPROVAL.
 - SCS CONTRACTOR TO LIAISE WITH SECURITY SYSTEMS CONTRACTOR FOR DATA POINTS REQUIRED FOR ACCESS CONTROL AND IPCCTV SYSTEMS.
 - ALL CABLING/CONTAINMENT UNLESS OTHERWISE INDICATED SHALL BE CONCEALED EXCEPT WITHIN PLANT ROOMS AND FLOOR/CEILING VOIDS.
 - ALL ACCESSORIES TO BE FLUSH IN ALL AREAS WITH THE EXCEPTION OF PLANT AREAS, SWITCHROOMS AND CEILING VOIDS WHERE THEY WILL BE SURFACE FITTED.
 - CABLING WITHIN PARTITION SHALL COMPLY FULLY WITH BS 8436.
 - REFER TO ARCHITECT'S DRAWINGS FOR ALL FINAL LOCATIONS AND ELEVATIONS.
 - ALL CONTAINMENT & CABLING TO BE APPROPRIATELY FIRE STOPPED WHERE PASSING THROUGH FLOORS, FIRE RATED PARTITIONS AND CAVITY BARRIERS. REFER TO ARCHITECT'S DRAWINGS FOR LOCATIONS.
 - WHERE CONTAINMENT IS INSTALLED INVERTED TO SUIT SPACE CONSTRAINTS. ALL CABLES MUST BE SECURED TO CONTAINMENT USING FIRE RESISTANT STAINLESS STEEL CABLE TIES THROUGHOUT THEIR LENGTH. DATA CABLE BUNDLES ON BASKET TO HAVE LOOSE TIED FIRE RESISTANT STAINLESS STEEL CABLE TIES IN ADDITION TO STANDARD VELCRO THE WRAPS.