LOWER GROUND FLOOR AIR CONDITIONING INDOOR UNIT DETAILS:

ACU ESR — ACU_ESR: ELECTRICAL SWITCH ROOM WALL MOUNTED SPLIT UNIT / 798mm W x 293mm H x 230mm D. 230V–1PH–5A. TOSHIBA MMK–UP0071_–E.

ACU SO — ACU_SO: STAFF OFFICE WALL MOUNTED VRF UNIT / 798mm W x 293mm H x 230mm D. 230V–1PH–5A. TOSHIBA MMK–UP0031_–E.

UPPER GROUND FLOOR AIR CONDITIONING CONDENSOR (OUTDOOR) UNIT DETAILS:

CU KC — CU_KC: KITCHEN TEMPERED COOLING VERTICAL CONDENSER UNIT INTERNALLY POSITIONED WITH DUCTED EXHAUST. 1200mm W x 1690mm H x 780mm D, 334KG. 415V–3PH–50H, 50A FUSE RATING. TOSHIBA MMY–MUP2001HT8P–E. HEAT REJECTION AIR FLOW 4.42m3/s. RETURN MAKE UP AIR FLOW 4.42m3/s.

CU CAC — CU_CAC: CUSTOMER AREAS VERTICAL CONDENSER UNIT INTERNALLY POSITIONED WITH DUCTED EXHAUST. 1600mm W x 1830mm H x 780mm D, 377KG. 415V–3PH–50H, 63A FUSE RATING. TOSHIBA MMY–MAP2006FT8P. 1600Lx780Wx1830H, 377KG. HEAT REJECTION AIR FLOW 4.82m³/s. RETURN MAKE UP AIR FLOW 4.81m³/s.

LOWER GROUND FLOOR FILTERED RECIRCULATION VENTILATION UNIT DETAILS:

RECO K — RECO_K: KITCHEN FLOOR STANDING RECIRCULATION VENTILATION UNIT – SELECTED AND OPERATED IN FULL ACCORDANCE DW172 IN CONJUNCTION ELECTRIC ONLY COOKLINE INSTALLATION. 2000mm L x 1430mm W x 1640mm H, _KG. 1350 x 630 (EXT) / 690 (SUP) CONNS. DUTY 1.62m3/s. @ 300Pa ESP. 400V–3PH–50, 4.2KW / 6.5A FLC MOTOR POWER. HALTON RAH 2.0 DSI – FILTERS: G4 PANEL FILTER / M6 ECO–PLEAT PANEL FILTER / F9 HEPA ES FILTER / ACTIVATED CARBON CANISTER FILTERS.

LOWER GROUND FLOOR FRESH AIR & EXTRACT VENTILATION UNIT DETAILS:

HRU BOH — HRU_BOH: STAFF / BACK OF HOUSE AREAS FLOOR MOUNTED ROTARY WHEEL HEAT RECOVERY VENTILATION UNIT / 1860mmL x 1200mmW x 1470mmH, 483KG, 500ø CONNS. DUTY 0.6m3/s. @ 250Pa ESP. 400V–3PH–50 / 10.A. SWEGON GOLD F RX SIZE 011. DUCT MOUNTED LTHW HEATING COIL PROVISION INCLUDED TO MAINTAIN 22'C WINTER SEASON SUPPLY TEMP.

HRU T — HRU_T: STAFF / CUSTOMER TOILET AREAS FLOOR MOUNTED ROTARY WHEEL HEAT RECOVERY VENTILATION UNIT / 1800mmL x 825mmW x 1096mmH, 308KG, 315ø CONNS. DUTY 0.15m3/s. @ 220Pa ESP. 400V–3PH–50 / 10.A. SWEGON GOLD F RX SIZE 004. DUCT MOUNTED LTHW HEATING COIL PROVISION INCLUDED TO MAINTAIN 22'C WINTER SEASON SUPPLY TEMP.

LOWER GROUND FLOOR DIFFUSER & GRILLE DETAILS:

SD GDW — SD_GDW: DISHWASH AREA SUPPLY DIFFUSER – HIGH LEVEL VERTICAL FACE WALL DIFFUSER – 0.12m³/s. (TYPE TBC).

EG GDW — EG_GDW: DISHWASH AREA EXTRACT GRILLE – HIGH LEVEL VERTICAL FACE WALL GRILLE – 0.12m³/s. (TBC).

EG KC — EG_KC: KITCHEN CORRIDOR / STORAGE BALANCED EXTRACT GRILLE – HIGH LEVEL VERTICAL FACE WALL GRILLE – 0.06m³/s. (TYPE TBC).

SD C/WS — SD_C/WS: CLOAKS / WINE STORAGE AREA SUPPLY DIFFUSER – HIGH LEVEL VERTICAL FACE WALL DIFFUSER – 0.1m³/s. (TYPE TBC).

EG C/WS — EG_C/WS: CLOAKS / WINE STORAGE AREA EXTRACT GRILLE – HIGH LEVEL VERTICAL FACE WALL GRILLE – 0.1m³/s. (TYPE TBC).

SD SO — SD_SO: STAFF OFFICE SUPPLY DIFFUSER – HIGH LEVEL VERTICAL FACE WALL DIFFUSER – 0.03m³/s. (TYPE TBC).

SD SK — SD_SK: STAFF KITCHENETTE SUPPLY DIFFUSER – HIGH LEVEL VERTICAL FACE WALL DIFFUSER – 0.06m³/s. (TYPE TBC).

EG SK — EG_SK: STAFF KITCHENETTE EXTRACT GRILLE – HIGH LEVEL VERTICAL FACE WALL GRILLE – 0.09m³/s. (TYPE TBC).

SD SL — SD_SL: STAFF LOCKERS SUPPLY DIFFUSER – HIGH LEVEL VERTICAL FACE WALL DIFFUSER – 0.03m³/s. (TYPE TBC).

SD ST — EG_SL: STAFF LOCKERS EXTRACT GRILLE – HIGH LEVEL VERTICAL FACE WALL GRILLE– 0.03m³/s. (TYPE TBC).

EG SL — SD_ST: STAFF TOILETS SUPPLY DIFFUSER – HIGH LEVEL VERTICAL FACE WALL DIFFUSER – 0.04m³/s. CEILING VALVE TYPE.

EG1–2 ST — EG1&2_ST: STAFF TOILET EXTRACT GRILLE – HIGH LEVEL VERTICAL FACE WALL GRILLE– 0.01m³/s. CEILING VALVE TYPE.

EG3 ST — EG3_ST: STAFF SHOWER EXTRACT GRILLE – HIGH LEVEL VERTICAL FACE WALL GRILLE– 0.02m³/s. CEILING VALVE TYPE.

LOWER GROUND FLOOR VENTILATION AND AIR CONDITIONING NOTES:

ANY MODIFICATIONS REQUIRED TO LANDLORD SERVICES FOR PURPOSES OF TENANT FIT OUT COORDINATION TO BE UNDERTAKEN BY OTHERS UNLESS SEPARATELY AGREED / INSTRUCTED) AND IN FULL ACCORDANCE LANDLORD APPROVALS, SPECIFICATION, AND PROGRAMMING.

ALL BUILDERS WORK FORMATION BY MAIN CONTRACTOR FOR PURPOSES OF PROGRAMMING AND COORDINATION.

MECHANICAL SERVICES INDICATED FIRE STOPPING PROVISION SUBJECT TO RECEIPT OF AN AUTHORITY APPROVED CLIENT DESIGN TEAM FIRE STRATEGY PROPOSAL.

KITCHEN / COLD PREP / WASH UP EQUIPMENT SUPPLIED AND INSTALLED BY OTHERS, INCLUDING GREASE TRAP / ENZYME WASTE DOSING PROVISION TO MEET BUILDING CONTROL REQUIREMENTS. SERVICES SUBJECT TO RECEIPT OF APPOINTED KITCHEN SPECIALIST CONFIRMED REQUIREMENTS WITH PROVISIONAL ALLOWANCES CURRENTLY INDICATED, TERMINATING TO AN AGREED POINT WITH FINAL CONNECTION BY OTHERS UNLESS SEPARATELY INSTRUCTED.

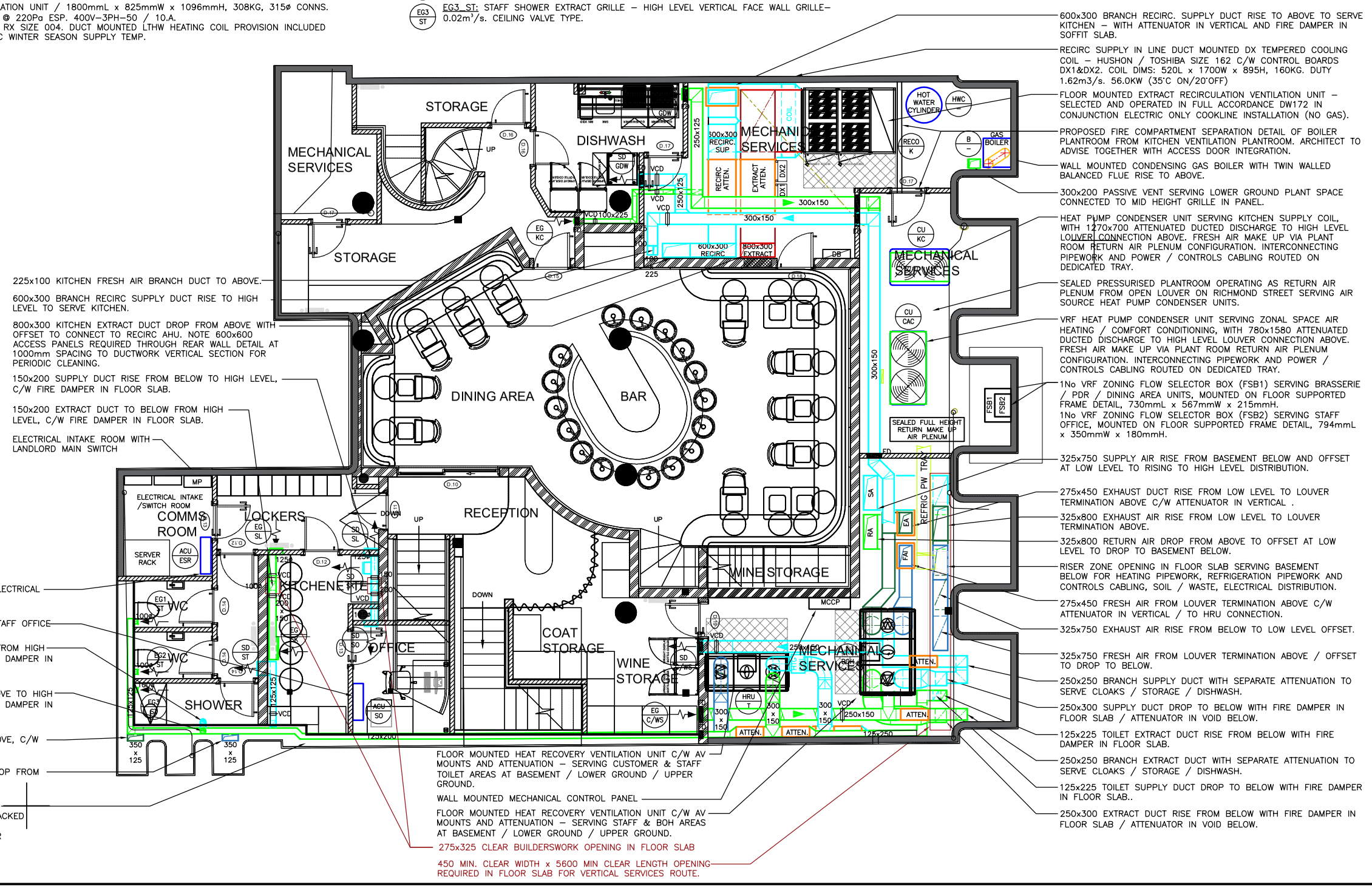
BAR / SERVERY SERVICES SUBJECT TO APPOINTED KITCHEN SPECIALIST CONFIRMED REQUIREMENTS. PROVISIONAL ALLOWANCES CURRENTLY INDICATED. TERMINATING TO AN AGREED POINT WITH FINAL CONNECTION BY OTHERS UNLESS SEPARATELY INSTRUCTED.

DETAILS OF SANITARY TO BE CONFIRMED BY CLIENT DESIGNER. PROVISIONAL ALLOWANCES CURRENTLY INDICATED. PROCUREMENT BY OTHERS.

DETAILS OF CLIENT DIRECTS INCLUDING IT / DATA / SECURITY / OFFICE & BOH EQUIPMENT NOT KNOWN – CLIENT CONFIRMED REQUIREMENTS TO BE INCORPORATED BY APPOINTED INSTALLATION CONTRACTOR.

LANDLORD ABOVE GROUND DRAINAGE PROPOSED TO BE USED FOR COLLECTED PLANT CONDENSE TRAPPED WASTE DISCHARGE AS NO DEDICATED A3 DEMISE DRAIN POINTS PROVIDED.

SERVICES VERTICAL PRIMARY SUPPORT FRAMEWORK REQUIRED / TO BE PROVIDED BY MAIN CONTRACTOR WHERE WALL FIXINGS PREVENTED BY SHELL TANKING MEMBRANE SYSTEM.



TECHNICAL SERVICES

Refrigeration & Air Conditioning

Notes:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELATED DESIGN PROPOSAL DOCUMENTS INCLUDING THOSE FROM THE PROJECT ARCHITECT'S, INTERIOR DESIGNER, STRUCTURAL AND ACOUSTIC CONSULTANTS, SERVICES, MAIN CONTRACTOR'S, DIRECTS AND ANY SPECIFIED MANUFACTURER'S CONTRACT DRAWINGS.
2. THE MECHANICAL SERVICES WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CLIENT SPECIFICATION & BRIEF TOGETHER WITH LANDLORD TECHNICAL GUIDE & SPECIFICATION WHERE AVAILABLE.
3. DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL CURRENT INDUSTRY STANDARD REGULATIONS.
4. THE MECHANICAL DUCTWORK SERVICES INSTALLATION WORKS SHALL BE COORDINATED WITH THE BUILDING STRUCTURE, FINISHES AND ALL OTHER SERVICES. RADIUS BENDS TO BE UTILISED ON KITCHEN EXTRACT DUCT DIRECTION CHANGES WHEREVER POSSIBLE.
5. ALL HEAT RECOVERY AND CONDITIONED AIR DUCTWORK SHALL BE THERMALLY INSULATED. EXTERNAL DUCTWORK TO BE WEATHERPROOF WRAPPED / SEALED.
6. ALL DUCTWORK PENETRATING FIRE COMPARTMENT DIVIDES SHALL INCORPORATE CERTIFIED FIRE DAMPERS TO MATCH THE BARRIER RATING, TOGETHER WITH ACCESS PANELS. KITCHEN EXTRACT FIRE RATED DUCTWORK WHERE EXITING KITCHEN COMPARTMENT. REFERENCE TO BE MADE TO ARCHITECT'S FIRE STRATEGY DRAWING TO ESTABLISH LOCATIONS / FIRE DAMPER TYPE.
7. VOLUME CONTROL DAMPERS SHALL BE INSTALLED ON ALL BRANCH LEGS AND DIFFUSER / GRILLE TERMINALS TO FACILITATE COMMISSIONING
8. ATTENUATION AND ANTI–VIBRATION MEASURES SHALL BE INCORPORATED ON ALL PLANT AND DUCTWORK SUPPORTS IN ACCORDANCE WITH ACOUSTIC CONSULTANT'S SPECIFICATION.
9. ACCESS PANELS TO BE PROVIDED BY MAIN CONTRACTOR IN ANY SOLID CEILINGS WHERE FINAL REQUIREMENTS INDICATED BY MECHANICAL INSTALLATION CONTRACTOR.
10. AIR CONDITIONING CASSETTE UNITS TO BE FITTED WITH CONDENSATE PUMP WHERE GRAVITY FALL CANNOT BE ACHIEVED.
11. ALL INTERCONNECTING INSULATED REFRIGERANT PIPEWORK AND CABLES SHALL BE ROUTED AND FIXED ON DEDICATED CABLE TRAY.
12. ALL NEW MECHANICAL PLANT TO BE MOUNTED ON ANTI–VIBRATION MOUNTS.

Do not scale from drawing
Site verify all dimensions prior to construction
Report all discrepancies immediately
This drawing is to be read in conjunction with all relevant documents and drawings

Client/Project

Maya
40 Chorlton Street
Manchester

Revisions

Drawing Status
INFORMATION ISSUE

Project Code
TS_M_CSM

Scale: 1:50@A1/1:100@A3
Date drawn: May '23
Drawn by: ER
Reviewed by: MB

Drawing Title
LOWER GROUND LEVEL HVAC MECHANICAL SERVICES LAYOUT

Drawing Number
M_03

Revision
-