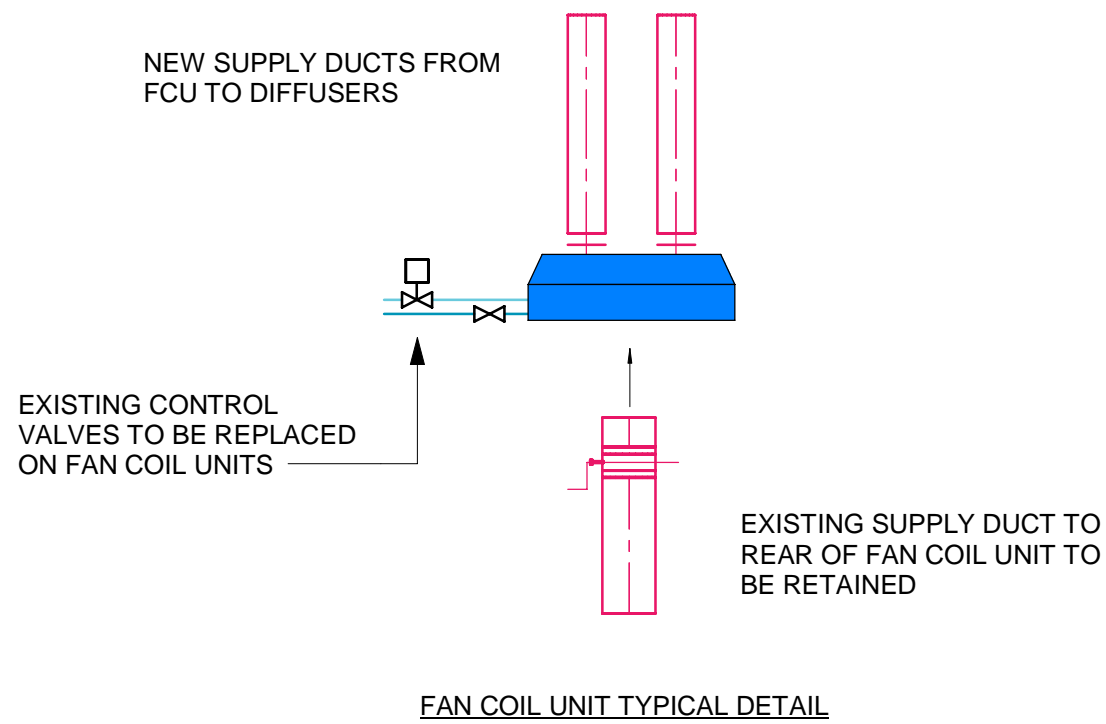
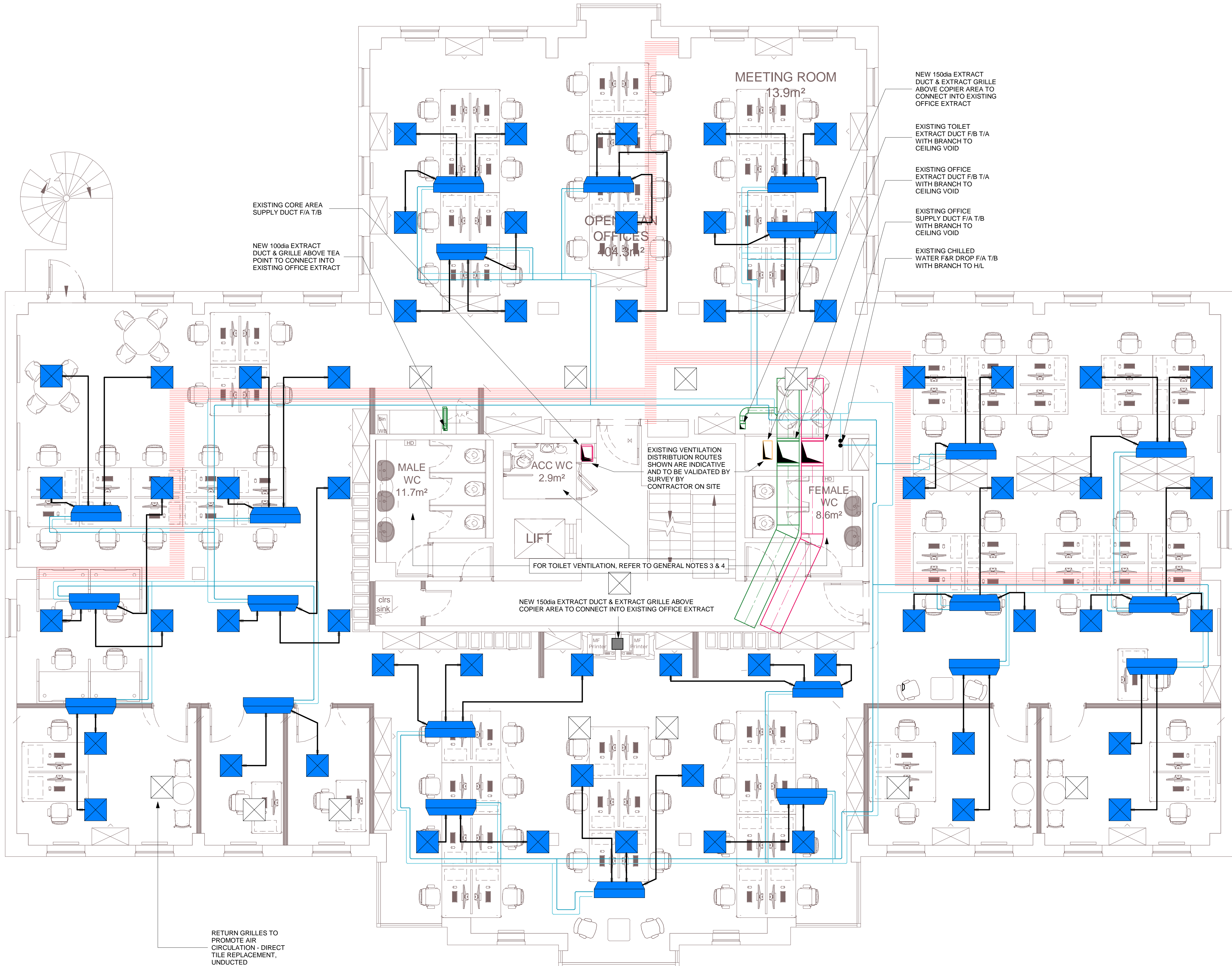


ISO A0 841mm x 1189mm  
Project Management Initials: Designer: Checker: Approver: Approved/Drawn by/Author

GENERAL NOTE

1. THIS DRAWING PROVIDES AN INDICATIVE LAYOUT OF THE MECHANICAL VENTILATION SERVICES FAN COIL UNITS AND CHILLED WATER SYSTEMS. PRECISE ROUTES OF THE SERVICES AT HIGH LEVEL & WITHIN THE CEILING VOIDS COULD NOT BE ESTABLISHED WHEN PREPARING THE TENDER DOCUMENTS.
2. PRIOR TO COMMENCING ANY INSTALLATION WORKS THE MECHANICAL SERVICES SUB-CONTRACTOR SHALL UNDERTAKE A DETAILED SURVEY OF THE EXISTING INSTALLATION TO ENABLE THEM TO DEVELOP THE FOLLOWING DESIGN INTENT. THE GENERAL DESIGN INTENT OF THE PROPOSED WORKS IS THAT WHEREVER POSSIBLE THE EXISTING VENTILATION SYSTEMS ARE TO BE RETAINED WITH MINOR MODIFICATION TO SUIT ARCHITECTURAL LAYOUTS AND THE REPLACEMENT OF THE EXISTING CEILINGS.
3. ALL THE EXISTING SUPPLY AND EXTRACT GRILLES TOGETHER WITH THEIR LOCAL DUCTWORK CONNECTIONS ARE TO BE REPLACED WITH NEW.
4. EXISTING TOILET EXTRACT AND CORE AREA SUPPLY DUCT WORK SYSTEMS ARE TO BE RETAINED WITH ONLY MINOR MODIFICATION TO SUIT ARCHITECTURAL LAYOUT CHANGES.
5. THE EXISTING OFFICE SUPPLY SYSTEMS GENERALLY PROVIDE FRESH TEMPERED AIR TO THE REAR OF THE FAN COIL UNITS.
6. THE EXISTING EXTRACT SYSTEMS ARE GENERALLY PROVIDED WITH EXTRACT AIR BELLMOUTHS WITHIN THE CEILING VOIDS. THESE ARE TO BE MODIFIED OR REROUTED WHERE REQUIRED TO SUIT ARCHITECTURAL LAYOUT CHANGES.
7. OPEN EXTRACT GRILLES ARE TO BE PROVIDED WITHIN THE CEILING GRID TO ALLOW A RETURN AIR PATH BETWEEN THE OCCUPIED SPACE AND THE EXTRACT BELLMOUTH AND FAN COIL AIR INLET.
8. UNLESS NOTED OTHERWISE THE EXISTING FAN COIL UNITS ARE TO BE RETAINED IN THEIR CURRENT LOCATIONS AS INDICATED ON THE DRAWINGS TOGETHER WITH THE FRESH TEMPERED AIR SUPPLY CONNECTION.
9. THE EXISTING SUPPLY PLENUM BOX ON EACH FAN COIL UNIT IS TO BE MODIFIED TO SUIT THE NEW SUPPLY AIR CONNECTIONS TO THE NEW CEILING MOUNTED DIFFUSERS.
10. THE CHILLED WATER FLOW & RETURN PIPE WORK DISTRIBUTION SYSTEM TO THE FAN COIL UNITS IS TO BE RETAINED WITH THE FOLLOWING MODIFICATIONS.
11. THE FINAL CHILLED WATER CONNECTION TO EACH FAN COIL UNIT TO BE MODIFIED TO INCLUDE A FLUSHING LOOP METERING UNIT AND CONTROL VALVE ARRANGEMENT. THE FAN COIL UNIT CONTROLS TO BE INTERFACED TO THE BMS SYSTEM FOR CONTROL, MONITORING AND ALARM FACILITY.
12. THE MECHANICAL SERVICES SUB-CONTRACTOR IS ADVISED THAT A NEW FIRE STRATEGY HAS BEEN DEVELOPED IN ASSOCIATION WITH THE PROPOSED REFURBISHMENT WHICH INCLUDES THE CONSTRUCTION OF NEW FIRE COMPARTMENTATION WALLS AND CAVITY BARRIERS WITHIN CEILING VOIDS AND FLOOR VOIDS AT EACH OF THE OFFICE FLOOR LEVELS.
13. IN DEVELOPING THE DESIGN OF THE MECHANICAL VENTILATION SYSTEMS THE MECHANICAL SERVICES SUB-CONTRACTOR SHALL INCLUDE FOR THE PROVISION OF NEW FIRE DAMPERS WHERE EXISTING RETAINED AND/OR NEW DUCTWORK CROSSES THE NEW 30 MINUTE COMPARTMENT WALLS AND MOTORISED SMOKE DAMPERS IN LOCATIONS WHERE EXISTING AND/OR NEW DUCTWORK BEING RETAINED CROSSES 60 MINUTE COMPARTMENT WALLS.



Project

Watford Police Station Remodelling

UK & IRELAND

Client

Hertfordshire Police and Crime Commissioner

Consultant

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Notes

1. THIS DRAWING SHALL NOT BE SCALED
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER DOCUMENTATION INCLUDED IN THE MEP SPECIFICATION AND DRAWINGS.
3. ANY DISCREPANCIES BETWEEN THIS AND OTHER DOCUMENTATION MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM FOR CLARIFICATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING THE DESIGN FROM RIBA STAGE 3 TO MEET THE DESIGN INTENT INDICATED AND FOR DEVELOPING ALL DETAILS REQUIRED FOR THE FULL SERVICES INSTALLATION TO BE INSTALLED, TESTED, COMMISSIONED AND SET TO WORK.
5. THIS DRAWING SHALL NOT BE RELIED UPON FOR CONSTRUCTION.
6. THE CONTRACTOR SHALL ALSO REFER TO THE PROJECT CDM INFORMATION FOR FURTHER DETAILS ABOUT RISKS AND RESIDUAL RISKS.
7. THE MEP SYSTEMS SHALL COMPLY WITH THE RELEVANT STANDARDS DESCRIBED IN THE SPECIFICATION.
8. IN ACCORDANCE WITH BSRIA BG6:2018, THE MEP SERVICES DISTRIBUTION WITHIN THE REVIT MODEL AND SHOWN ON THIS DRAWING SHOW THE APPROXIMATE LOCATIONS OF HORIZONTAL (AND VERTICAL) SERVICES RUNS AND SHOWS MAIN DISTRIBUTION, PARTICULARLY THOSE AFFECTING SPATIAL ALLOCATION.
9. THE SERVICE DISTRIBUTION INDICATED IS BASED UPON LIMITED EXISTING BUILDING INFORMATION AND VISUAL INSPECTIONS ONLY. THE CONTRACTOR IS TO UNDERTAKE A FULLY SURVEY AS DESCRIBED WITHIN THE SPECIFICATION TO VALIDATE THE DISTRIBUTION.

LEGEND

- INDICATIVE LOCATION OF EXISTING FCU COMPLETE WITH PLENUM
- LOCATION OF EXISTING FCU TO BE REMOVED/RELOCATED
- NEW SUPPLY DIFFUSER PLENUM BOX
- NEW RETURN GRILLE
- INDICATIVE ROUTE OF LTHW ROUTED IN CEILING VOID
- CHW FLOW
- CHW RETURN

Issue/Revision

T1	23/06/22	Tender Issue	DRL/HRD
T2	10/06/22	Pre Tender Issue	DRL/HRD
Rev	Date	Description	Drawn/Checked

Key Plan

Purpose Of Issue

Preliminary Stage 3

Project Number

60671544

Sheet Title

High Level Mech - First Floor Layout

Sheet Number

WPS-ACM-00-01-DR-ME-300013

Scale: 1:50@A0

Rev: T1