

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- ALL DUCTWORK SHALL BE MANUFACTURED & INSTALLED IN ACCORDANCE WITH THE SPECIFICATION, DW144.
- ALL SERVICE ROUTES SHOW DESIGN INTENT ONLY. CONTRACTOR TO PRODUCE INSTALLATION/WORKING DRAWINGS FOR APPROVAL & ALL FINAL ROUTES SHALL BE AGREED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- ALL SERVICES SHOWN ON THIS DRAWING INCLUDING SUPPORT BRACKETS & SUPPLEMENTARY STEELWORK SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE STATED.
- VOLUME CONTROL DAMPERS TO BE POSITIONED TO ENSURE CLEAR ACCESS.
- SPATIAL COORDINATION IS BY THE M&E CONTRACTOR. THE CONTRACTOR/FABRICATOR SHOULD CHECK & ESTABLISH ALL DIMENSIONS. SETTING OUT, BEAM HEIGHTS, CEILING VOID DEPTHS & LEVELS ON SITE PRIOR TO PRODUCING INSTALLATION DRAWINGS.
- CONTRACTOR TO ALLOW FOR MODIFICATIONS TO EQUIPMENT LOCATIONS TO SUIT COORDINATION WITH LIGHTING & OTHER SERVICES. ALLOWANCE SHALL ALSO BE MADE FOR FULL COORDINATION WITH THE STRUCTURE.
- ALL DUCTWORK BENDS TO BE MULTI-TURNING VANE TYPE.
- CONTRACTOR TO PROVIDE REQUIRED DUCTWORK, INSULATION & DIFFUSER/GRILLE SELECTIONS.
- FINAL POSITIONS OF CONTROL SENSORS TO BE AGREED ON SITE WITH ARCHITECT & CONSULTING ENGINEER.
- ALL M&E SERVICES ARE TO BE SUPPORTED BY GRIPPLE WHERE SUITABLE & CONTAINED ON BASKET. FINAL SUPPORT & CONTAINMENT ARRANGEMENTS TO BE AGREED WITH THE CONSULTING ENGINEER. TRAPEZE TYPE GRIPPLE FITTINGS WITH SELF TAPPING SCREWS PIERCING DUCTWORK ARE NOT SUITABLE.
- ACCESS PANELS TO BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF HVCA DW144 AND TR19. ACCESS PANELS TO BE LOCATED WITH FULL COGNISANCE OF SITE CONSTRAINTS & COORDINATION.
- ALL NEW MECHANICAL VENTILATION INSTALLATIONS WILL BE IN ACCORDANCE WITH CIBSE GUIDE B : 2016.
- THE CONTRACTOR IS TO ESTABLISH LENGTHS OF PIPEWORK, DUCTWORK, BENDS, ANCILLARIES ETC BASED ON SITE MEASUREMENT & THE ACTUAL SERVICES ARRANGEMENT ON SITE.

NOTE:
FRESH AIR & EXTRACT DUCTWORK FROM MVHRs AND Efs TO DISCHARGE THROUGH FACADE MOUNTED EXTERNAL LOUVRES, C/W PLENUM ARRANGEMENT. EXACT LOCATION & SETTING OUT TO BE CONFIRMED DURING STAGE 4 DETAILED DESIGN

FINAL MEP ARRANGEMENT, ROUTING & COORDINATION WITH EXISTING STRUCTURE & BEAMS TO BE FINALISED BY THE CONTRACTOR DURING STAGE 4 DETAILED DESIGN.

NEW HEAT RECOVERY UNIT (MVHR 01-07) MOUNTED ON SOFIT ABOVE SMALL MEETING ROOMS / FM OFFICE / IT STORE / CALL PODS. EXACT LOCATION FOR HEAT RECOVERY UNIT TBC ON SITE BY CONTRACTOR DURING STAGE 4 DETAILED DESIGN. CONTRACTOR TO ENSURE SUITABLE ACCESS CAN BE PROVIDED FOR MAINTENANCE TO EACH UNIT ACROSS ITS LIFESPAN.

SMOKE DAMPERS AND ASSOCIATED ACCESS DOORS TO BE INSTALLED IN DUCTS WITHIN 'DEAD-END' CORRIDORS. SMOKE DAMPERS TO BE CONTROLLED BY FIRE ALARM SYSTEM .

MOTORISED SMOKE DAMPERS TO BE INSTALLED TO DUCTS IN DEAD END ESCAPE CORRIDORS TO APPROVED INSPECTORS SATISFACTION. ACCESS DOORS TO BE FITTED ADJACENT TO DAMPERS. DAMPERS TO BE INSTALLED TO THE MANUFACTURERS APPROVED DETAIL.

EXTRACT DUCTWORK CONNECTS ONTO BELLMOUTH C/W MESH GRILLE (MIN. 50% FREE AREA) IN C/V WITHIN COLLABORATION.

VRF FAN COIL UNITS INSTALLED ON SOFIT TO SERVE CALL PODS, C/W PLENUM BOX FOR 3no. 1500 SPIGOT CONNECTIONS.

ALL EXTERNAL LOUVRES FOR FRESH AIR INTAKE AND EXHAUST ARE SUBJECT TO PLANNING AND LISTED BUILDING CONSENT LIMITATIONS. SIZE AND POSITION SHALL NOT VARY WITHOUT AUTHORITY APPROVAL. SIZES AND POSITION HAVE BEEN INDICATED AS PART OF LISTED BUILDING CONSENT REPORT AND ON ARCHITECTURAL ELEVATION LAYOUT. FULL COORDINATION OF DUCTWORK WITH LOUVRES POSITION AND OTHER SERVICES SHALL BE UNDERTAKEN AS PART OF STAGE 4 DESIGN

VRF FAN COIL UNITS INSTALLED ON SOFIT TO SERVE CALL PODS, C/W PLENUM BOX FOR 3no. 1500 SPIGOT CONNECTIONS.

EXISTING COOLING SYSTEM TO SERVER ROOM TO BE RETAINED.

CONTRACTOR SHALL INSTALL TRANSITION PIECE WHERE DUCTWORK PASSES UNDERNEATH A BEAM

EXTRACT DUCTWORK CONNECTS ONTO BELLMOUTH C/W MESH GRILLE (MIN. 50% FREE AREA).

CALL PODS ARE PROVIDED WITH STAND ALONE EXTRACT/SUPPLY VENTILATION

EXTRACT DUCTWORK CONNECTS ONTO BELLMOUTH C/W MESH GRILLE (MIN. 50% FREE AREA).

EXTRACT DUCTWORK CONNECTS ONTO BELLMOUTH C/W MESH GRILLE (MIN. 50% FREE AREA).

VRF FAN COIL UNITS INSTALLED ON SOFIT TO SERVE CALL PODS, C/W PLENUM BOX FOR 3no. SPIGOT CONNECTIONS.

EXTRACT DUCTWORK CONNECTS ONTO BELLMOUTH C/W MESH GRILLE (MIN. 50% FREE AREA).

LEGEND

	VRF FAN COIL UNIT WITHIN CEILING VOID
	MECHANICAL VENTILATION HEAT RECOVERY UNIT
	SUPPLY/EXTRACT/RETURN GRILLE
	SWIRL DIFFUSER
	DUCT TRANSITION PIECE
	LOW LEVEL
	HIGH LEVEL
	HIDDEN
	CEILING VOID

General Notes:
1. No dimension is to be scaled from this drawing. All Contractors must familiarise themselves with site conditions, including checking site dimensions, and must report in writing of any discrepancies with the information depicted in this drawing or the specifications. The Contractor shall obtain further instructions from CBRE prior to proceeding with the affected elements.
2. This drawing is to be read in conjunction with other related drawings, Specifications, Schedules and Bill of Quantities (the Contract Information) produced and issued by CBRE and other involved parties for this project. The Contractor shall advise in writing of any inconsistencies or contradictions of any of the information contained therein and shall obtain further instructions from CBRE prior to proceeding.
3. Contractors to advise on suitability of all details and to ensure structural integrity, stability and strength of all construction for the intended performance.
4. Contractors to ensure that all specified and implied materials, fixtures and fittings are fabricated and installed in accordance with their manufacturers' recommendations. Contractor is responsible for obtaining all relevant manufacturers' data and related information. Where manufacturers' recommendations contradict or are inconsistent with any of the information contained within the Contract Information, the Contractor shall obtain further instructions from CBRE prior to proceeding.
5. Contractors to ensure that all materials and construction complies with Building Regulations, Environmental Health, Planning, CDM and any other relevant statutory requirements.
6. Contractors to ensure all specified materials, fixtures and fittings are procured to meet all aspects of the project programme and must advise CBRE if any items will not be available in sufficient time and to request further instructions.
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STAGE 3 ISSUE

T2	REVISED DRAWING	24/10/23
T1	ISSUED FOR TENDER (INCORPORATING COMMENTS)	25/01/23
T1	ISSUED FOR TENDER	20/01/23
P1	ISSUED FOR COMMENT	09/12/22
Rev	Description	Date

STATUS	PURPOSE OF ISSUE
S1	ISSUED FOR PLANNING

PROJECT
6th Floor Bridgewater House Refurbishment

TITLE
Proposed Sixth Floor Ventilation Layout

CLIENT
British Council

DRAWN BY PZ	CHECKED BY LR	DATE 24/10/2024
SCALE (@ A1) 1 : 100	PROJECT NUMBER 483386	REV T2
DRAWING NUMBER 483386-CBR-XX-06-DR-M-5701		
Project	Origin	Zone
Level	Type	Discipline
Number		

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