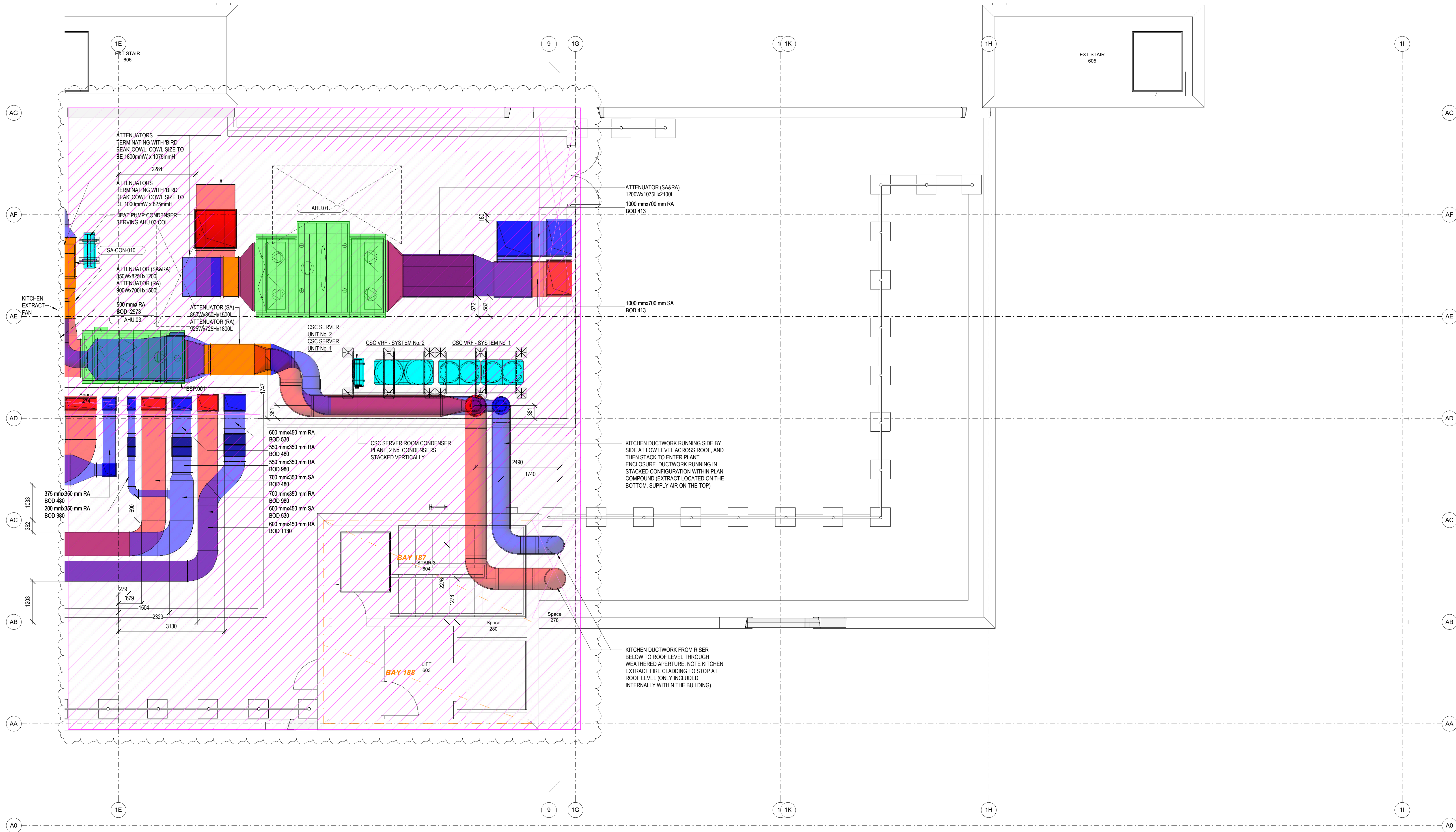


SAFETY, HEALTH AND ENVIRONMENT INFORMATION
THE DESIGN TEAM HAS CONSIDERED THE SAFETY, HEALTH AND ENVIRONMENTAL ASPECTS OF THE PROJECT AND HAS TAKEN THE FOLLOWING MEASURES TO MINIMISE THE RISK OF ACCIDENTS, INJURY OR DAMAGE TO THE PROJECT OR THE ENVIRONMENT.
CONSTRUCTION WORKERS MUST BE PROVIDED WITH ADEQUATE TRAINING AND INFORMATION TO ENSURE THEY ARE AWARE OF THE RISKS OF THE WORK AND THE MEASURES TO BE TAKEN TO MINIMISE THEM. WORKERS MUST BE PROVIDED WITH THE NECESSARY EQUIPMENT AND TOOLS TO PERFORM THE WORK SAFELY AND EFFECTIVELY. WORKERS MUST BE PROVIDED WITH THE NECESSARY INFORMATION TO IDENTIFY AND REPORT ANY SAFETY, HEALTH OR ENVIRONMENTAL ISSUES.
OPERATION THE DESIGN TEAM HAS CONSIDERED THE RISKS OF THE OPERATION OF THE PROJECT AND HAS TAKEN THE FOLLOWING MEASURES TO MINIMISE THE RISK OF ACCIDENTS, INJURY OR DAMAGE TO THE PROJECT OR THE ENVIRONMENT. THE DESIGN TEAM HAS CONSIDERED THE RISKS OF THE OPERATION OF THE PROJECT AND HAS TAKEN THE FOLLOWING MEASURES TO MINIMISE THE RISK OF ACCIDENTS, INJURY OR DAMAGE TO THE PROJECT OR THE ENVIRONMENT.
MAINTENANCE THE DESIGN TEAM HAS CONSIDERED THE RISKS OF THE MAINTENANCE OF THE PROJECT AND HAS TAKEN THE FOLLOWING MEASURES TO MINIMISE THE RISK OF ACCIDENTS, INJURY OR DAMAGE TO THE PROJECT OR THE ENVIRONMENT. THE DESIGN TEAM HAS CONSIDERED THE RISKS OF THE MAINTENANCE OF THE PROJECT AND HAS TAKEN THE FOLLOWING MEASURES TO MINIMISE THE RISK OF ACCIDENTS, INJURY OR DAMAGE TO THE PROJECT OR THE ENVIRONMENT.
DECOMMISSIONING / DEMOLITION / DISPOSAL THE DESIGN TEAM HAS CONSIDERED THE RISKS OF THE DECOMMISSIONING, DEMOLITION OR DISPOSAL OF THE PROJECT AND HAS TAKEN THE FOLLOWING MEASURES TO MINIMISE THE RISK OF ACCIDENTS, INJURY OR DAMAGE TO THE PROJECT OR THE ENVIRONMENT. THE DESIGN TEAM HAS CONSIDERED THE RISKS OF THE DECOMMISSIONING, DEMOLITION OR DISPOSAL OF THE PROJECT AND HAS TAKEN THE FOLLOWING MEASURES TO MINIMISE THE RISK OF ACCIDENTS, INJURY OR DAMAGE TO THE PROJECT OR THE ENVIRONMENT.



NOTES

- ALL DUCTWORK SYSTEMS INSTALLED IN ACCORDANCE WITH DW144 SPECIFICATION FOR SHEET METAL DUCTWORK FOR LOW PRESSURE "CLASS A" SYSTEMS.
- ALL DUCTWORK MANUFACTURED FROM HOT DIP GALVANISED STEEL TO BS EN101:1991, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- RECTANGULAR DUCTWORK CROSS JOINTS SHOULD BE SEALED IN ACCORDANCE WITH DW144 FIGS 10, 13&14, FASTENINGS AND MAXIMUM SPACINGS IN ACCORDANCE WITH SECTION 10.7.
- CIRCULAR DUCTWORK SPIRAL WOUND AND STRAIGHT SEALED JOINTS SEALED IN ACCORDANCE WITH DW144 FIGS 32-45, FASTENINGS AND MAXIMUM SPACINGS IN ACCORDANCE WITH SECTION 13.3.
- ACCESS PANELS PROVIDED ADJACENT TO ALL FIRE DAMPERS, UNLESS, REMOTE ACCESS TYPE COMBINED FIRE DAMPER VCD'S ARE TO BE USED.
- ALL ACCESS/INSPECTION HATCHES ARE PROPRIETARY MANUFACTURED WITH QUICK RELEASE CATCHES AND SELF SEALING GASKETS.
- ALL ACCESS/INSPECTION PANELS REMAIN ACCESSIBLE, THE INSULATION CONTRACTOR HAS SUITABLY DRESSED THE EDGES OF THE INSULATION TO THE EDGE OF THE ACCESS OPENING.
- THE USE OF FLEXIBLE DUCTWORK IS LIMITED TO 1000mm IN LENGTH TO MAKE FINAL CONNECTIONS ONLY - NOTE ADDITIONAL LENGTH MAY BE REQUIRED TO ALLOW TRANSITION TO PLENUM CONNECTIONS IN SOME AREAS.
- DUCTWORK MANUFACTURED WITH GRADUAL TRANSFORMATIONS AND CHANGES OF SHAPE/DIRECTION.
- FLEXIBLE CONNECTIONS INCORPORATED WITHIN THE DUCTWORK SYSTEM TO ISOLATE THE DUCTWORK DISTRIBUTION SYSTEM FROM VIBRATION PRODUCING EQUIPMENT.
- GRILLES AND DIFFUSERS PROVIDED WITH SUITABLE PURPOSE MADE PLENUM BOXES (SIDE OR TOP ENTRY SPIGOT AS NECESSARY) WHERE INDICATED.
- ALL GRILLES AND DIFFUSERS PROVIDED WITH BALANCING DAMPERS WITHIN THE DUCTWORK SERVING THE GRILLE OR DIFFUSER - SINGLE LEAF TYPE ON FINAL BRANCHES.
- ALL GRILLES AND DIFFUSERS HAVE A FINISH COLOUR TO SUIT THE ARCHITECT'S REQUIREMENTS.
- ALL AIR DISTRIBUTION DUCTS PASSING THROUGH ELEMENTS OF STRUCTURE FORMING FIRE COMPARTMENTS SHALL INCORPORATE A FIRE DAMPER, OR COMBINED FIRE AND SMOKE DAMPERS TO PREVENT SMOKE MIGRATION TO EMERGENCY ESCAPE ROUTES. DAMPER RATINGS SHALL BE AS PER THE FIRE STRATEGY DRAWING. 30min, 60min OR 90min.
- FIRE DAMPERS, OR COMBINED FIRE AND SMOKE DAMPERS SHALL BE PROVIDED IN THE LOCATIONS AS INDICATED ON THE DRAWINGS. THE SMOKE DAMPER PANEL SHALL BE LOCATED ADJACENT TO THE FIRE ALARM PANEL SERVING THE CSC AND SA AREAS.
- THE FIRE DAMPER BLADE IS OF STAINLESS STEEL CONSTRUCTION AND SHALL BE HELD IN THE OPEN POSITION BY MEANS OF A THERMAL RELEASE MECHANISM RATED AT 72°C +/- 2°C.
- ALL BRANCHES FROM THE MAIN DISTRIBUTION DUCTS ARE BY A SMOKE BRANCH FITTINGS.
- ALL FRESH AIR INTAKE DUCTWORK IS INSULATED, VAPOUR SEALED AND WEATHERPROOFED WHERE NECESSARY (ATMOSPHERE SIDE ONLY AND/OR WHERE AIR SUPPLIED IS USED TO PROVIDE SPACE HEATING/COOLING). THE INSULATION HAS AN ENVIRONMENTAL THICKNESS BETWEEN 20MM AND 50MM (TO SUIT THE IN DUCT AND AMBIENT AIR TEMPERATURES) WITH A MAXIMUM THERMAL CONDUCTIVITY OF 0.035 W/mK.
- ALL ROOM SIDE DUCTWORK SYSTEMS, AND EXHAUST DUCTWORK SYSTEMS, ARE TO BE FULLY INSULATED: DISTRIBUTION OF CONDITIONED AIR WITH HEAT RECOVERY SYSTEMS.
- UPON COMPLETION OF THE WHOLE VENTILATION INSTALLATION THE SYSTEM IS BALANCED AND COMMISSIONED IN ACCORDANCE WITH CBSE COMMISSIONING CODE A.

LEGEND

- SUPPLY / EXTRACT GRILLE - CIRCULAR
- SUPPLY / EXTRACT GRILLE - RECTANGULAR
- FLEXIBLE DUCTWORK CONNECTION
- COMBINED FIRE / SMOKE DAMPER
- FIRE DAMPER
- VOLUME CONTROL DAMPER - RECTANGULAR
- VOLUME CONTROL DAMPER - CIRCULAR
- RISING / DROPPING DUCTWORK
- ATTENUATOR - CIRCULAR
- ATTENUATOR - RECTANGULAR
- AIR TRANSFER / FLOW DIRECTION

C04	GENERAL COORDINATION UPDATES AS CLOUDED	JB	JW	MMc	HS2 accepts no responsibility for any circumstances which arise from the reproduction of this document after alteration, amendment or abbreviation or if it is issued in part or issued incompletely in any way.
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C01	PRELIMINARY ISSUE FOR COMMENT	JB	JW	MMc	
Rev	Description	Drawn	Checked	Approved	Con App

Legends/Notes:

Scale with caution as distortion can occur.

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Stage	5	Project/Contract	Euston Station	Creator/Originator	PREMIER MODULAR	Sub-Originator	
Drawing Title	Work Package Description	1200S03		Discipline/Function	MECHANICAL	System Description	
Drawing Title	ROOF			Drawn by	JB	Checked by	JW
				Approved by	MMc	Date	09.05.22
				Scale	1:50	Size	A0
				Suitability	S4	Rev.	C04
				Drawing No.	1CP01-MDS_PML-ME-DGA-SS08_SL23_F8-000007		