
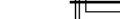











NOTES

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|----|--|-----|--|-----|---|-----|---|-----|---|
| 1. | ALL DUCTWORK SYSTEMS INSTALLED IN ACCORDANCE WITH DW144 SPECIFICATION FOR SHEET METAL DUCTWORK FOR LOW PRESSURE "CLASS A" SYSTEMS | 6. | ALL ACCESS/INSPECTION HATCHES ARE PROPRIETARY MANUFACTURED WITH QUICK RELEASE CATCHES AND SELF SEALING GASKETS | 11. | GRILLES AND DIFFUSERS PROVIDED WITH SUITABLE PURPOSE MADE PLEXIN BOXES (SIDE OR TOP ENTRY SPOT) AS NECESSARY WHERE INDICATED | 16. | FIRE DAMPERS, OR COMBINED FIRE AND SMOKE DAMPERS SHALL BE PROVIDED IN THE LOCATIONS AS INDICATED ON THE DRAWINGS. THE SMOKING DAMPER SHALL BE LOCATED ADJACENT TO THE FIRE ALARM PANEL SERVING THE CSC AND SA AREAS | 19. | ALL ROOM SIDE DUCTWORK SYSTEMS, AND EXHAUST DUCTWORK SYSTEMS, ARE TO BE FULLY INSULATED. DISTRIBUTION OF CONDITIONED AIR WITH HEAT RECOVERY SYSTEMS |
| 2. | ALL DUCTWORK MANUFACTURED FROM HOT DIP GALVANIZED STEEL TO BS EN 1991, UNLESS NOTED OTHERWISE ON THE DRAWINGS. | 7. | ALL ACCESS/INSPECTION PANELS REMAIN ACCESSIBLE, THE INSTALLATION CONTRACTOR HAS SUITABLY EXPRESSED THE EDGES OF THE INSULATION TO THE EDGE OF THE ACCESS OPENING. | 12. | ALL GRILLES AND DIFFUSERS PROVIDED WITH BALANCING DAMPERS WITH THE DUCTWORK SERVING THE GRILLE OR DIFFUSER - SINGLE LEAF TYPE ON FINAL BRANCHES | 17. | 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 | 20. | ON COMPLETION OF THE WHOLE VENTILATION INSTALLATION THE SYSTEM IS BALANCED AND COMMISSIONED IN ACCORDANCE WITH CIBSE COMMISSIONING CODE A |
| 3. | RECTANGULAR DUCTWORK GROSS JUNCTIONS SHOULD BE SEALED IN ACCORDANCE WITH DW144 FIGS 10.13.4, FASTENINGS AND MAXIMUM SPACINGS IN ACCORDANCE WITH SECTION 10.7 | 8. | 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 PLUMB CONNECTIONS IN SOME AREAS | 13. | ALL GRILLES AND DIFFUSERS HAVE A FINISH/COLOR TO SUIT THE ARCHITECT'S REQUIREMENTS | 18. | ALL FRESH AIR INTAKE DUCTWORK IS INSULATED, VAPOR SEALED AND WEATHERPROOFED WHERE NECESSARY (ATMOSPHERE SIDE ONLY) AND/OR WHERE AIR SUPPLY 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 | | |
| 4. | CIRCULAR DUCTWORK SPIRAL WOUND AND STRAIGHT SEALED JUNCTIONS SEALED IN ACCORDANCE WITH DW144 FIGS 32.45, FASTENINGS AND MAXIMUM SPACINGS IN ACCORDANCE WITH SECTION 12.3 | 9. | DUCTWORK MANUFACTURED WITH GRADUAL TRANSFORMATIONS AND CHANGES OF SHAPE/REDIANTION | 14. | 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. Minimum 60min or 90min. | 19. | A FRESH AIR INTAKE DUCTWORK IS INSULATED, VAPOR SEALED AND WEATHERPROOFED WHERE NECESSARY (ATMOSPHERE SIDE ONLY) AND/OR WHERE AIR SUPPLY 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 | | |
| 5. | ACCESS PANELS PROVIDED ADJACENT TO ALL FIRE DAMPERS, UNLESS REMOTE ACCESS SYSTEM COMBINED FIRE DAMPER VACOs ARE TO BE USED | 10. | FLEXIBLE CONNECTIONS INCORPORATED WITHIN THE DUCTWORK SYSTEM TO ISOLATE THE DUCTWORK DISTRIBUTION SYSTEM FROM VIBRATION PRODUCING EQUIPMENT | | | | | | |

LEGEND

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

C4	GENERAL COORDINATION UPDATES AS CLOUDED	J8	JW	MMC	H2D accepts no responsibility for any circumstances which arise from the use of the information, in whole or in part, or abbreviation of it is issued in part to occur (incompletely) in any way.	
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C01	PRELIMINARY ISSUE FOR COMMENT	J8	JW	MMC		
Rev	Description	Drawn	Checked	Approved	Con App	Scale with caution as distortion can occur.

Legends/Notes

HS2

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Stage 5	Project/Contract Euston Station	Creator/Originator PREMIER MODULAR	Sub-Originator
Drawing Title	Work Package Description 1200S03	Discipline/Functional MECHANICAL	System Description
Drawing Title ROOF		Drawn by JB	Checked by JW
		Approved by MMc	Date 09.05.22
VENTILATION LAYOUT		Scale 1:50	Size A0
1 of 2		Suitability S4	Rev. C04
Drawing No. 1CP01MDS_PMLME-DGA-S008_FL23_B3-000008			