THIS DRAWING IS AN INDICATIVE LAYOUT ONLY, DEMONSTRATING THE CONCEPTUAL REQUIREMENTS CORRELATING WITH THE AGREED SCHEMATIC SOLUTIONS. THE PURPOSE OF THIS DRAWING IS TO DEMONSTRATE DESIGN INTENT, FOR FURTHER DEVELOPMENT BY THE RELEVANT SERVICES DESIGNER ONLY.

THIS DRAWING SHALL BE PRINTED IN COLOUR TO FULLY UNDERSTAND CONCEPTUAL REQUIREMENTS SHOWIN WITHIN

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All scaled dimensions taken from this drawing are to be verified on site

## HEALTH AND SAFETY INFORMATION

Standard hazards and risks may not necessarily be identified on this drawing. The caution symbols that are identified, but not limited to, related to specific hazards and risks associated with this type of project.

**Reference should be made to the DRA for further details.**

| DRA Ref No. | Description |
|---|---|
| 2 | Risk of asbestos exposure. |
| 5 | Working in a live building. |
| 6 | Exposure to live electrical parts. |

It is assummed that all works shall be undertaken by a competent contractor working, where appropriate, to an approved method statement.

NOTES

1. ALL BUILDERSWORK HOLES FOR TO HAVE FIRE AND ACOUSTIC TREATMENT.
2. SWIRL DIFFUSER AND EXTRACT GRILLE LOCATIONS ARE INDICATIVE ONLY AND TO COORDINATED WITH NEW DUCTWORK LAYOUT ON GROUND FLOOR.
3. ALL FLOOR PENETRATIONS TO BE FIRE AND ACOUSTIC TREATED IN ACORDANCE WITH MMU STANDARDS.
4. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH MMU STANDARDS.
5. FIRE DAMPER INSTALLATION DETAIL TO BE VERIFIED BY FIRE OFFICER.
6. 100mm TOLERANCE PROVIDED FOR ALL FLOOR PENETRATIONS TO AVOID METAL JOISTS IN THE FLOOR CONSTRUCTION. LOCATIONS OF METAL JOISTS UNKNOWN AND TO BE VERIFIED BY CONTRACTOR ON SITE.
7. MATERIAL BETWEEN METAL JOISTS TO BE REMOVED AND AREA AROUND PENETRATIONS TO BE FILLED USING TIMBER JOISTS AS DETAILED BY STRUCTURAL ENGINEER.

| LEGEND | |
|---|---|
| | SUPPLY SWIRL DIFFUSER |
| | EXTRACT GRILLE |
| | CMD LTD 3 COMPARTMENT FLOOR BOX COMPLETE WITH TWO TWIN SWITCHES, SOCKET OUTLETS AND 4 DATA POINTS |
| C | AC CONTROLLER |
| | 100mm TOLERANCE AROUND PROPOSED OPENINGS FOR GRILLES, DIFFUSERS AND FLOOR BOXES |

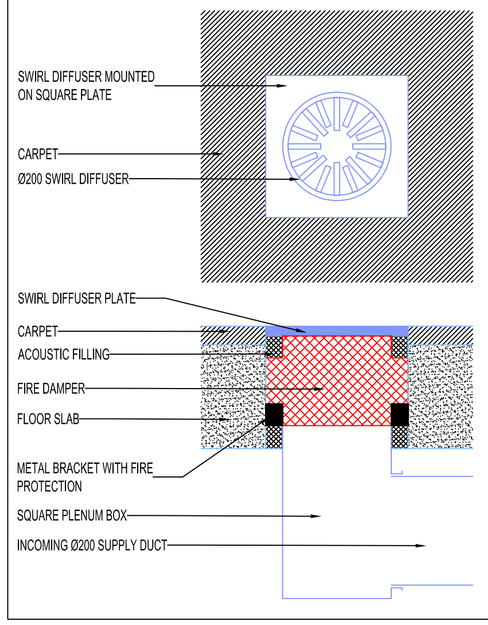




NEW IN-LINE SUPPLY AIR TEMPERATURE SENSOR MOUNTED IN EXISTING DUCTWORK.
EXISTING CONTROL VALVE ACTUATOR REPLACED WITH 0-10V SIGNAL TYPE.
BMS AMENDED TO ALLOW REMOTE SETPOINT ADJUSTMENT OF SUPPLY AIR TEMPERATURE.

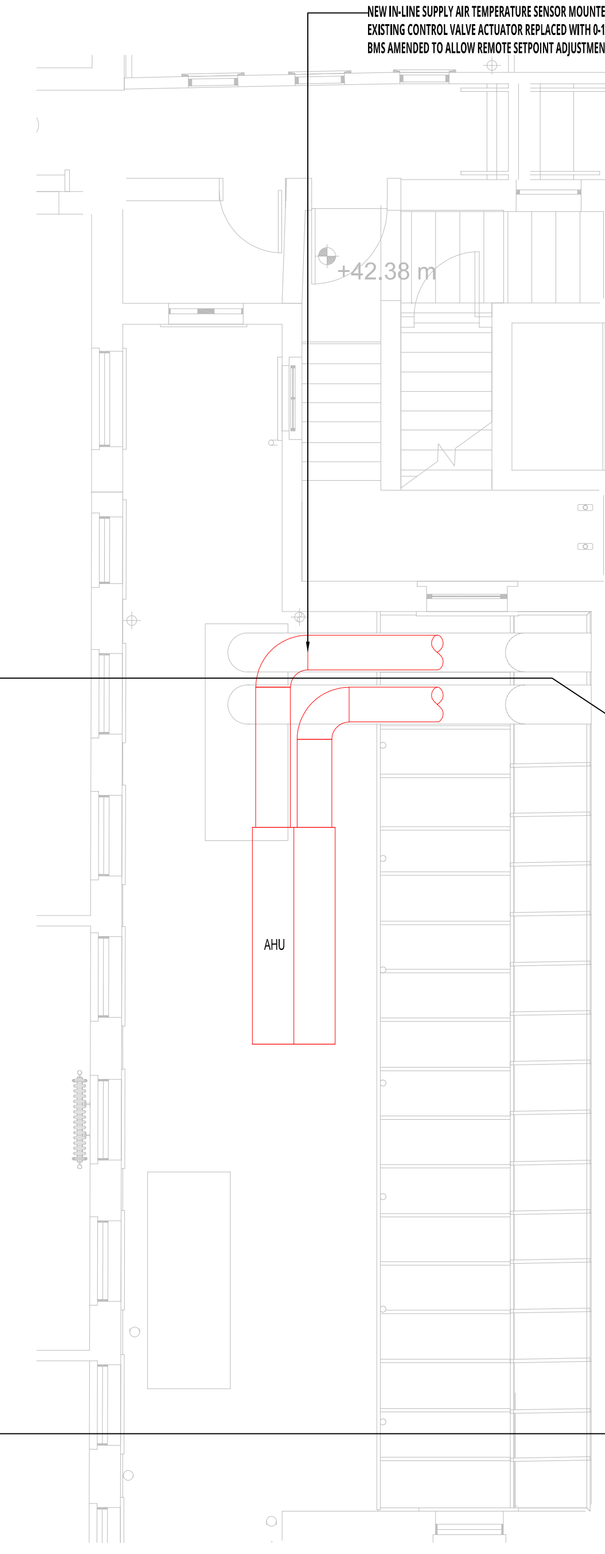
APPROXIMATE LOCATION OF EXISTING FLOOR BOX

FLOOR SWIRL DIFFUSER INSTALLATION DETAIL






8x Ø200 SUPPLY AIR DUCT RISES FROM BELOW TO SERVE SWIRL DIFFUSER.



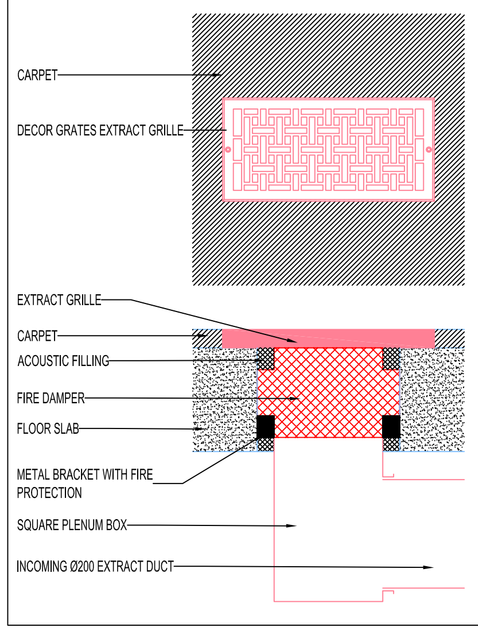




4x CMD LTD FLOOR BOX.
NEW FLOOR BOXES TO BE BY CMD LTD. POWER SUPPLIES TO BE DERIVED FROM DB/ORM/01/001. PROVIDE NEW 32A RING MAIN CIRCUIT C/W RCBO & AFDD PROTECTION. 15/L2 4 mm² 6491B IN EXISTING TRUNKING & CONDUIT ALLOW ADDITIONAL SECONDARY CONTAINMENT IN THE GROUND FLOOR OFFICE SPACE FROM THE PRIMARY CONTAINMENT IN THE FLOOR BOX LOCATIONS TO MATCH EXISTING.
FLOOR BOX CAT 6A DATA CABLING TO BE ROUTED FROM GROUND FLOOR DATA CABINET LOCATION. FOR TENDER PURPOSES ALLOW TO PROVIDE ADDITIONAL PATCH PANEL TO EXISTING RACK.

20x TOLERANCE AREAS FOR NEW PENETRATIONS FOR SWIRL DIFFUSERS, GRILLES AND FLOOR BOXES.
REFER TO NOTES 6 AND 7 FOR DETAIL.

EXTRACT GRILLE INSTALLATION DETAIL








8x DECOR GRATES EXTRACT GRILLE.



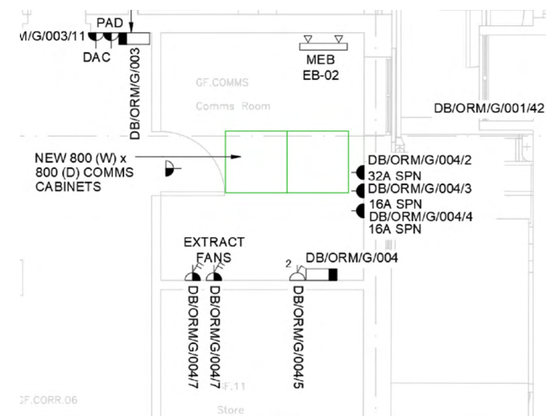

REPLACE EXISTING CONTROLLER MITSUBISHI PAR-41MAA STANDARD WIRED REMOTE CONTROLLER.
TEMPERATURE SENSOR TO BE LOCATED IN EXTRACT AIR DUCTS HEADER ON GROUND FLOOR AS SHOWN IN DRAWING 230543-CPW-XX-00-DR-N-301001

| SWIRL DIFFUSER SCHEDULE | | | |
|---|---|---|---|
| REF. NO | MANUFACTURER | MODEL | FLOW RATE (L/s) |
| SD-1 | SCHAKO | BDA | 71 |
| SD-2 | SCHAKO | BDA | 71 |
| SD-3 | SCHAKO | BDA | 71 |
| SD-4 | SCHAKO | BDA | 71 |
| SD-5 | SCHAKO | BDA | 71 |
| SD-6 | SCHAKO | BDA | 71 |
| SD-7 | SCHAKO | BDA | 71 |
| SD-8 | SCHAKO | BDA | 71 |

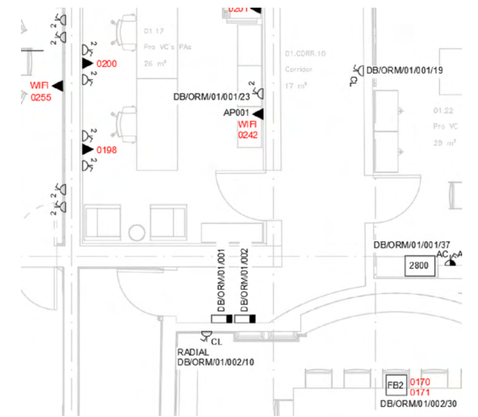
| EXTRACT GRILLE SCHEDULE | | | |
|---|---|---|---|
| REF. NO | MANUFACTURER | MODEL | FLOW RATE (L/s) |
| EG-1 | DECOR GRATES | AJL614W-NKL | 71 |
| EG-2 | DECOR GRATES | AJL614W-NKL | 71 |
| EG-3 | DECOR GRATES | AJL614W-NKL | 71 |
| EG-4 | DECOR GRATES | AJL614W-NKL | 71 |
| EG-5 | DECOR GRATES | AJL614W-NKL | 71 |
| EG-6 | DECOR GRATES | AJL614W-NKL | 71 |
| EG-7 | DECOR GRATES | AJL614W-NKL | 71 |
| EG-8 | DECOR GRATES | AJL614W-NKL | 71 |

| FIRE DAMPER SCHEDULE | | | | | |
|---|---|---|---|---|---|
| REF. NO | MANUFACTURER | MODEL | LENGTH (mm) | WIDTH (mm) | OPEN AREA (Ømm) |
| FD-1 | GILBERTS | FG2 | 262 | 262 | 200 |
| FD-2 | GILBERTS | FG2 | 262 | 262 | 200 |
| FD-3 | GILBERTS | FG2 | 262 | 262 | 200 |
| FD-4 | GILBERTS | FG2 | 262 | 262 | 200 |
| FD-5 | GILBERTS | FG2 | 262 | 262 | 200 |
| FD-6 | GILBERTS | FG2 | 262 | 262 | 200 |
| FD-7 | GILBERTS | FG2 | 262 | 262 | 200 |
| FD-8 | GILBERTS | FG2 | 262 | 262 | 200 |

EXISTING LAYOUTS FOR INFORMATION ONLY




GROUND FLOOR DATA CABINET LOCATION FOR INFORMATION ONLY, TAKEN FROM RECORD DRAWINGS.




FIRST FLOOR DB LOCATION FOR INFORMATION ONLY, TAKEN FROM RECORD DRAWINGS.

| REV | DATE | DESCRIPTION | BY | VE |
|---|---|---|---|---|
| T02 | 21/09/23 | TENDER ISSUE - FLOOR PENETRATION TOLERANCES ADDED | UA | JH |
| T01 | 02/09/23 | TENDER ISSUE | UA | JH |

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RIBA Stage
**STAGE 4**

Status
**TENDER**

Client
Manchester Metropolitan University

Project
**ORMOND BUILDING COUNCIL CHAMBER**

Drawing Title
**FIRST FLOOR**
**PROPOSED FLOOR COORDINATION LAYOUT**

| Scale (A1) | Date | By | Ve |
|---|---|---|---|
| 1:50 | AUG '23 | UA | JH |

| Pro ID | Originator | Functional | Spatial | Form | Discipline | Number | Suitability | Revision |
|---|---|---|---|---|---|---|---|---|
| 230543 | CPW | XX | 01 | DR | N | 301003 | S0 | T02 |

**230543-CPW-XX-01-DR-N-301003 S0 T02**

CPW Project No. 230543

Linked Files