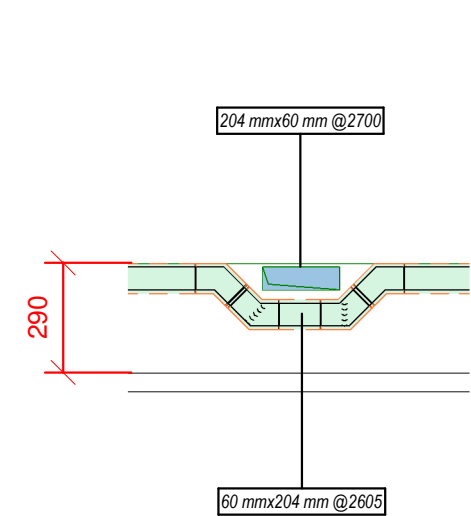


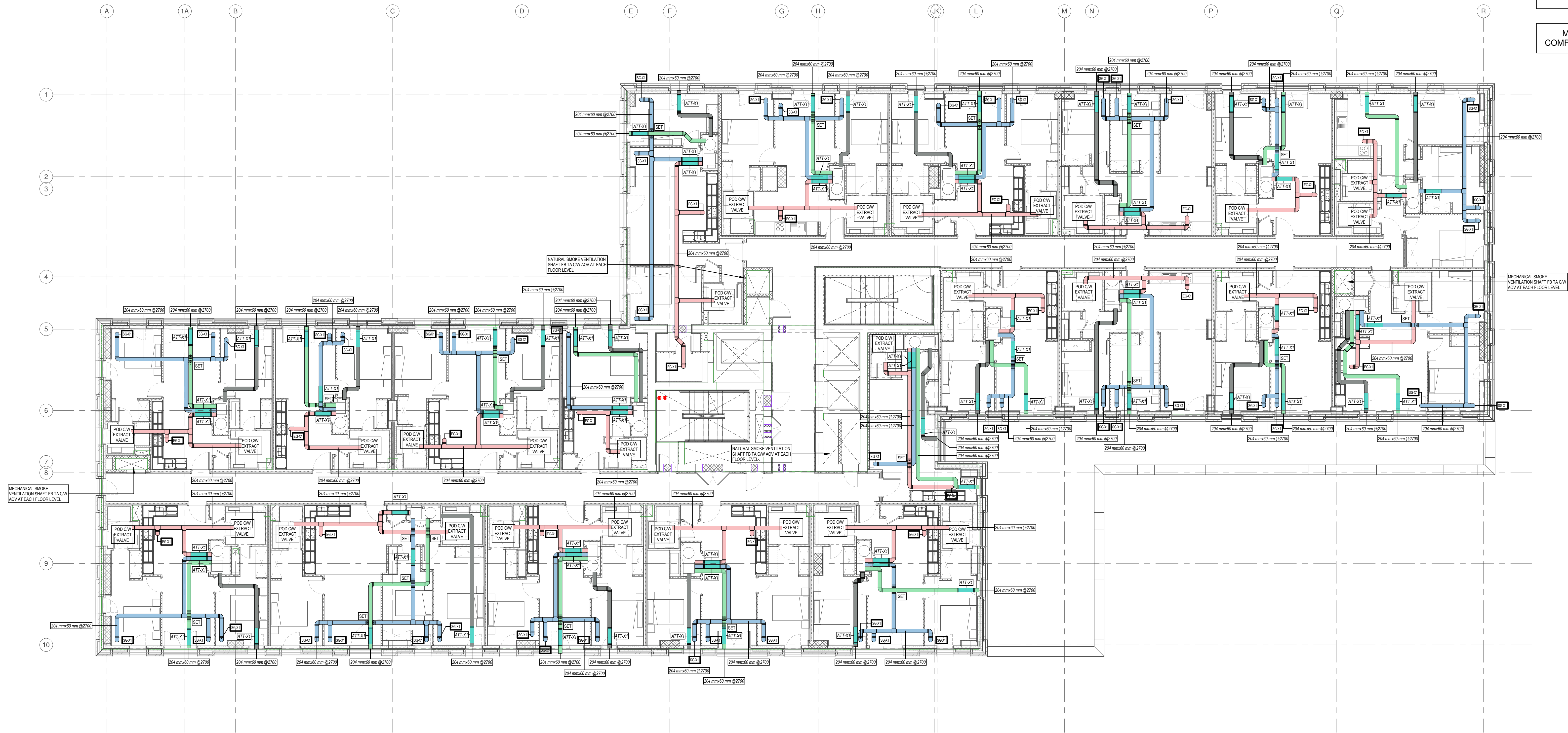


## Crossover - Level X1

1 : 20

DUCTWORK RUNNING TO EXTERNAL FACADE  
TO HAVE AVOUSTIC INSULATION BETWEEN  
ATTENUATOR AND PLENUM

MVHR TO BE SELECTED FOLLOWING  
COMPLETION OF SAP / OVERHEATING CALCLS



## Level 02-06 - Ventilation

1 : 100

| Level 2-6 - Attenuator Schedule |        |                 |            |                 |
|---------------------------------|--------|-----------------|------------|-----------------|
| ABE Equipment Reference Number  | Size   | Manufacturer    | Model Type | Count Per Floor |
| ATT-X1                          | 100 mm | Alamy Acoustics | BL TUBETS  | 81              |

| Level 2-6 - Supply Air Terminal Schedule |        |                                          |                 |  |
|------------------------------------------|--------|------------------------------------------|-----------------|--|
| ABE Equipment Reference Number           | Size   | Type                                     | Count Per Floor |  |
| SG-X1                                    | 125 mm | AirTerminal ABE 125-CircularWhite-Supply | 53              |  |

| Level 2-6 - Extract Air Terminal Schedule |        |                                           |                 |  |
|-------------------------------------------|--------|-------------------------------------------|-----------------|--|
| ABE Equipment Reference Number            | Size   | Type                                      | Count Per Floor |  |
| EG-X1                                     | 125 mm | AirTerminal ABE 125-CircularWhite-Exhaust | 51              |  |

| REVISION | ITEM REVISED      | DATE     |
|----------|-------------------|----------|
| P1       | PRELIMINARY ISSUE | 09.12.21 |

- NOTES
- VENTILATION NOTES
1. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY UNLESS OTHERWISE STATED. ALL DIMENSIONS ARE GIVEN IN MILLIMETRES OR METRES. ALL DIMENSIONS TO BE CHECKED ON SITE BY INSTALLERS PRIOR TO COMMENCEMENT OF WORKS.
  2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS. DOCUMENTS (SCOPE OF WORKS AND SPECIFICATION). THE DRAWING SHOULD ONLY BE USED FOR ITS INTENDED PURPOSE.
  3. BEFORE COMMENCEMENT OF WORK ASSOCIATED WITH THIS DRAWING REFER TO THE APPROPRIATE METHOD STATEMENTS AND RISK ASSESSMENTS.
  4. ALL DUCTWORK SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH DWH44 AND DBSE COMMISSIONING GUIDES.
  5. ALL DUCTWORK TO BE SUPPORTED IN ACCORDANCE WITH DWH144 ARRANGEMENT OF BEARERS AND HANGERS.
  6. ACCESS PANELS TO BE PROVIDED ADJACENT TO ALL FIRE DAMPERS ON BOTH SIDE UNLESS EQUIPMENT CLAMPIFICATION.
  7. INSPECTION PANELS TO BE PROVIDED ADJACENT TO ALL VOLUME CONTROL DAMPERS AND ACCESS AND LEAVE EVERY WAY FOR FUTURE MAINTENANCE AND CLEANING.
  8. FOR LOCATIONS OF ACCESS PANELS FOR INSPECTION, SERVICING AND/OR CLEANING REFER TO TABLE 23 OF THE DWH44 INTERNAL.
  9. ALL ACCESS/INSPECTION HATCHES ARE TO BE PROPRIETARY MANUFACTURED WITH QUICK RELEASE CATCHES AND SELF-SEALING GASKETS.
  10. ALL ACCESS/INSPECTION PANELS SHALL REMAIN ACCESSIBLE. THE INSULATION CONTRACTOR SHALL SUPPLY PRESS THE EDGES OF THE INSULATION TO THE EDGES OF THE ACCESS DOORING.
  11. THE USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO 30mm IN LENGTH TO MAKE FINAL CONNECTIONS ONLY.
  12. DUCTWORK SHALL BE MANUFACTURED WITH GRADUAL TRANSFORMATIONS AND CHANGES OF DIRECTION.
  13. TURNING VANES SHALL BE INSTALLED IN ALL RECTANGULAR SECTION DUCTWORK AT ALL CHANGES IN DIRECTION.
  14. FLEXIBLE CONNECTIONS SHALL BE INCORPORATED WITHIN THE DUCTWORK SYSTEM TO ISOLATE THE DUCTWORK DISTRIBUTION SYSTEM FROM VIBRATION PRODUCING EQUIPMENT.
  15. GRILLES AND DIFFUSERS SHALL BE PROVIDED WITH THE MANUFACTURERS PURPOSE MADE FLAMMABLE/USE OR TOP ENTRY PROTECT A NECESSARY FIREPROOFING INDICATED.
  16. ALL GRILLES AND DIFFUSERS SHALL HAVE A FINISH COLOUR TO SUIT THE ARCHITECTS REQUIREMENTS.
  17. ALL AIR DISTRIBUTION DUCTS PASSING THROUGH ELEMENTS OF STRUCTURE FORMING FIRE COMPARTMENTS SHALL INCORPORATE A FIRE DAMPER. THE FIRE DAMPER ARRANGEMENT INCLUDING SUBSEQUENT INSTALLATION TIME IF APPLICABLE SHALL HAVE A FIRE RESISTANCE RATING EQUAL TO THE ELEMENT THROUGH IT PENETRATES.
  18. ALL BRANCHES FROM THE MAIN DISTRIBUTION DUCTS SHALL BE BY A SPOKE BRANCH FITTING SPECIFICATION.
  19. DUCTWORK TO BE THERMALLY INSULATED AS INDICATED WITHIN THE MECHANICAL SPECIFICATION.
  20. FUSIBLE LINK FIRE DAMPERS TO BE PROVIDED WHERE DUCTS PASS THROUGH DUTY BARriers. FIRE COMPARTMENTATION IN COMPLIANCE WITH THE FIRE ENGINEERS REPORT.
- LEGEND:
- EF - EXTRACT FAN
  - HRU - HEAT RECOVERY UNIT
  - SG - SUPPLY GRILLE
  - EG - EXTRACT GRILLE
  - RD - RETURN GRILLE
  - FD - FIRE DAMPER
  - AV - VARIABLE AIR VOLUME
  - HB - HEATER BATTERY
  - VCD - VOLUME CONTROL DAMPER
  - ATT - ATTENUATOR
  - TG - TRANSFER GRILLE
  - DT - DOOR TRANSFER GRILLE
  - SV - SMOKE VENT
  - ADV - AUTOMATIC OPENING VENT
- COLOURS:
- 204 x 60 mm SUPPLY AIR
  - 204 x 60 mm RETURN AIR
  - 204 x 60 mm FRESH AIR - CW INSULATION
  - 204 x 60 mm EXHAUST AIR - CW INSULATION

PRELIMINARY

CLIENT **JRL MIDGARD**

ARCHITECT **AXIS ARCHITECTS**

CONTRACTOR **THE CASTINGS**

TITLE  
Mechanical Services - Ventilation Services - Second Floor (2-6)

| DRAWN    | CHECKED                    | SCALE           |
|----------|----------------------------|-----------------|
| DM       | PW                         | As indicated@A0 |
| DATE     | DRAWING No                 | REV             |
| 24.09.21 | CAS-ABE-XX-ZZ-DR-M-57-0001 | P01             |