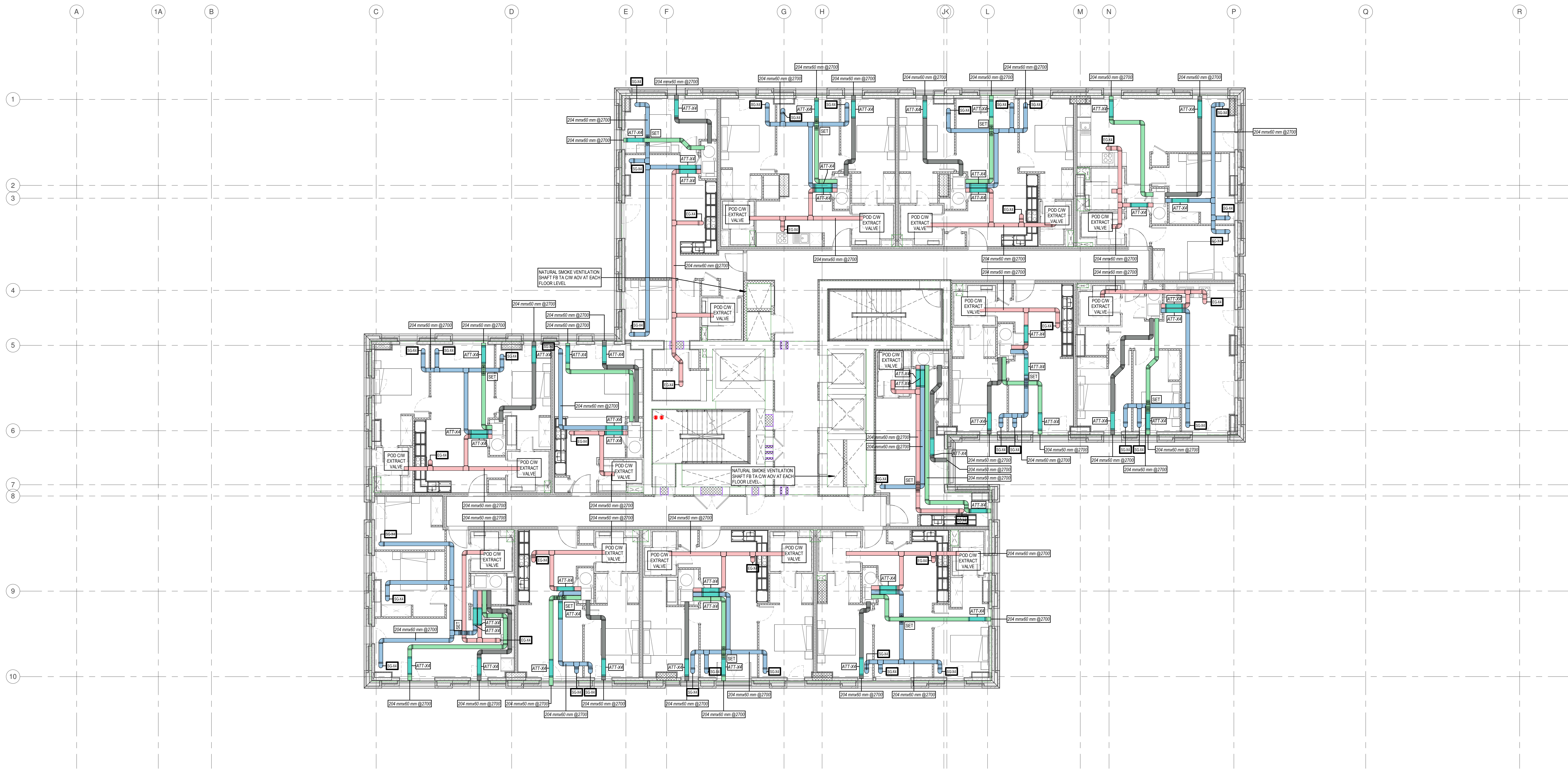
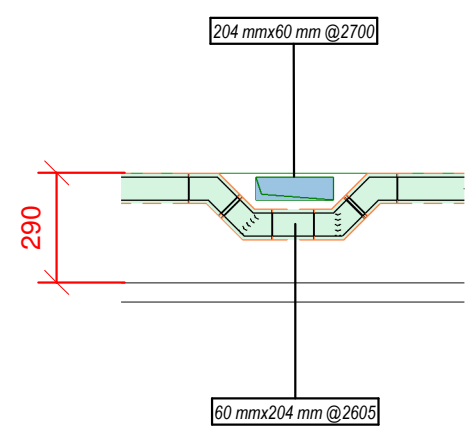




1 Level 15-19 - Ventilation
1 : 100



2 Crossover - Level X4
1 : 20

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

MVHR TO BE SELECTED FOLLOWING
COMPLETION OF SAP / OVERHEATING CALCS

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 DNV144 AND DBSE COMMISSIONING CODES.
 5. ALL DUCTWORK TO BE SUPPORTED IN ACCORDANCE WITH DNV144 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 DAY FOR FUTURE MAINTENANCE AND CLEANING.
 8. FOR LOCATIONS OF ACCESS PANELS FOR INSPECTION, SERVICING AND/OR CLEANING REFER TO TABLE 20 OF THE DNV144 MANUAL.
 9. ALL ACCESS/INSPECTION WATCHES 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 EDGE OF THE ACCESS DOORING.
 11. THE USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO 300mm 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 LICK OR TOP ENTRY PROTECT A NECESSARY FIRE RATING 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 SUBSTRATE 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 SLOPE BRANCH FITTING.
 19. DUCTWORK TO BE THERMALLY INSULATED AS INDICATED WITHIN THE MECHANICAL SPECIFICATION.
 20. FLEXIBLE LINK FIRE DAMPERS TO BE PROVIDED WHERE DUCTS PASS THROUGH DUCTY DAMPERS. FIRE COMPARTMENTATION IN COMPLIANCE WITH THE FIRE ENGINEERS REPORT.
- LEGEND:
- EF - EXTRACT FAN
 - HRU - HEAT RECOVERY UNIT
 - SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - RG - RETURNS 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
- 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			
ARCHITECT			
CONTRACT	THE CASTINGS		
TITLE	Mechanical Services - Ventilation Services - Fifteenth Floor (15-19)		
DRAWN DM	CHECKED PW	SCALE As indicated@A0	
DATE 24.09.21	DRAWING NO CAS-ABE-XX-ZZ-DR-M-57-0004		REV P01