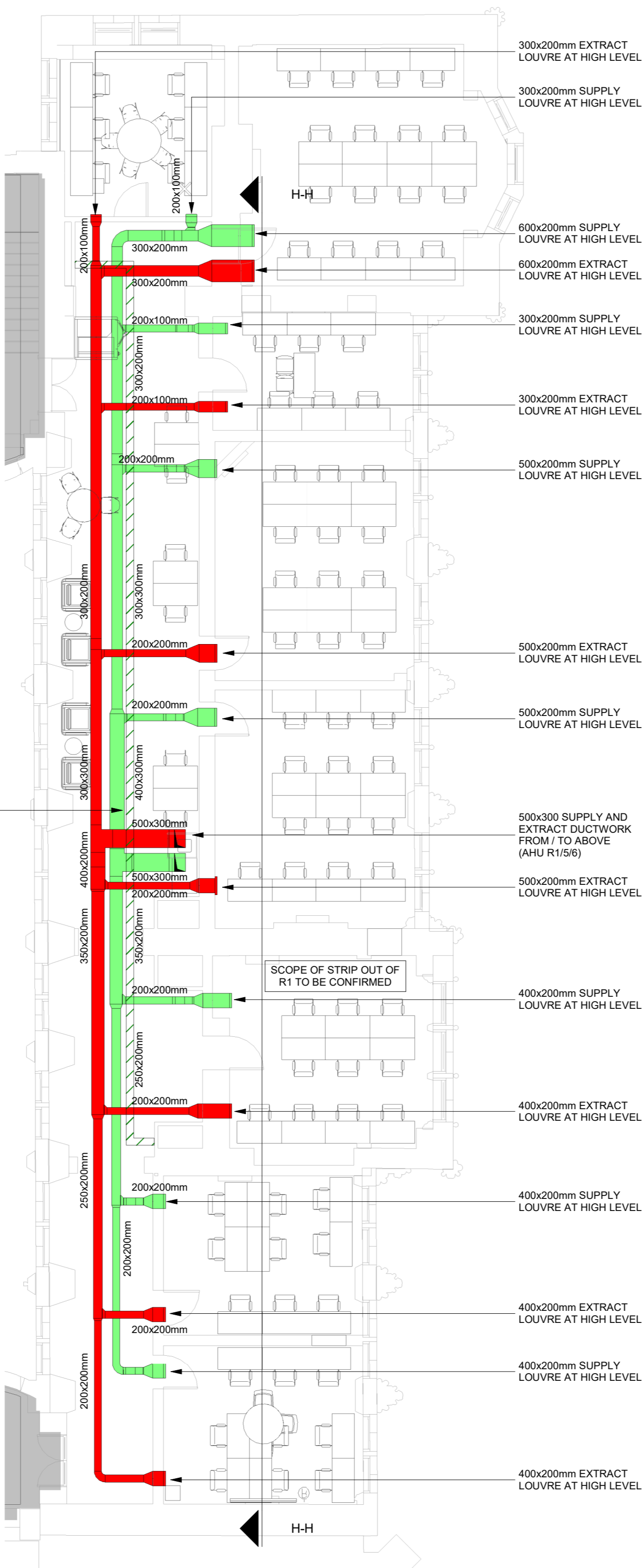


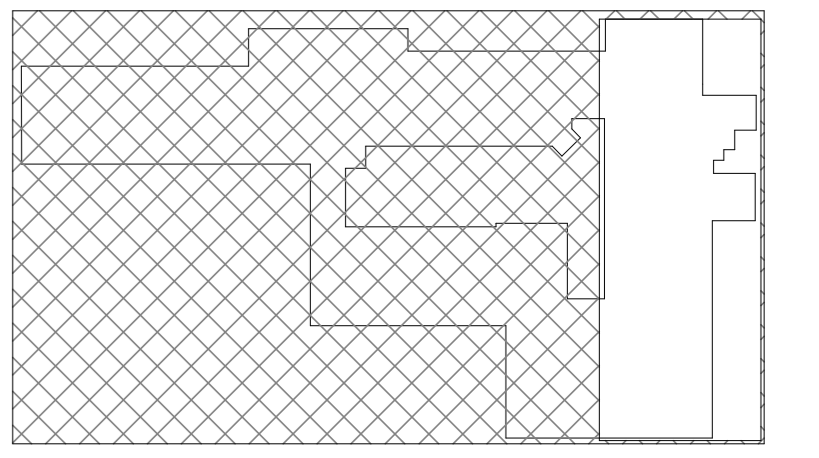
SECTION H-H - SECOND FLOOR R1 HERITAGE LOUVRES
SCALE: 1:50 @ A0

ALL PROPOSED WALL MOUNTED GRILLES TO BE SAME SPECIFICATION AND FINISH AS EXISTING

ALL PROPOSED DUCTWORK WITHIN THE CORRIDOR AREA, AS PER THIS DRAWING, IS TO REPLACE EXISTING DUCTWORK; ALL PROPOSED DUCTWORK SHALL BE INSTALLED ABOVE THE DECORATIVE CEILING.



WATERHOUSE SQUARE KEY PLAN



VENTILATION SERVICES INSTALLATION NOTES

- 1.00 COMPLETE VENTILATION INSTALLATION SHALL BE IN ACCORDANCE WITH WEWORK SPACE AND SYSTEMS STANDARDS VERSION 2.3.
- 2.00 FOR ASSOCIATED VENTILATION SYSTEM LAYOUTS REFER TO R2 ENGINEERING M000 SERIES DRAWINGS.
- 3.00 ALL DUCT WORK AND FLUE PENETRATIONS THROUGH FIRE WALLS AND CEILINGS TO BE COMPLETED WITH INTUMESCENT FIRE COLLARS/DAMPERS. LOCATION OF ALL FIRE RATED WALLS AND THEREFORE FIRE DAMPERS T.B.C.
- 4.00 ALL DUCTWORK SIZES NOTED ARE INTERNAL SIZES.
- 5.00 WHERE A CEILING EXISTS, ACCESS PANELS SHALL BE PROVIDED FOR ACCESS TO ALL FIRE DAMPERS AND VCD'S AS REQUIRED.
- 6.00 CONTRACTOR IS TO SUBMIT DUCTWORK SHOP STANDARDS IN ACCORDANCE WITH WEWORK SPACE AND SYSTEM STANDARDS VERSION 2.3, INDICATING TYPICAL CONNECTIONS.
- 7.00 ALL DUCT JOINTS SHALL BE IN ACCORDANCE WITH DW144.
- 8.00 DUCTS SHALL BE SUSPENDED FROM SLAB BY HANGERS IN CONFORMITY WITH WEWORK SPACE AND SYSTEM STANDARDS VERSION 2.3.
- 9.00 WHERE SOFFIT IS PAINTED ALL DUCTWORK AND EXPOSED SERVICES SHALL BE PAINTED TO MATCH CEILING. DIFFUSERS TO BE INSTALLED FOLLOWING PAINTING. THIS SHALL BE CONFIRMED BY WEWORK AND THE ARCHITECT.
- 10.00 FLEX DUCT SHALL NOT BE PERMITTED IN EXPOSED AREAS. WITHIN CEILINGS, A MAXIMUM OF 1.5m OF FLEX DUCT IS PERMITTED ON FINAL CONNECTIONS.
- 11.00 ALL MITRED ELBOWS SHALL BE PROVIDED WITH TURNING VANES ON MAXIMUM 100mm CENTRES.
- 12.00 ROUND DUCT SHALL BE INSTALLED WITH A MINIMUM CENTRELINE BENDING RADIUS OF 1.0.
- 13.00 DUCTWORK LINING AND THERMAL INSULATION SHALL BE PROVIDED AS PER SECTION 2.2.2 OF WEWORK SPACE AND SYSTEMS STANDARDS VERSION 2.3.
- 14.00 RETURN AIR TRANSFER GRILLES IN HALLWAYS SHALL BE INSTALLED WITH BLADES ANGLED UP TO AVOID SIGHT LINES THROUGH PARTITIONS.
- 15.00 DUCTWORK SHALL BE PROTECTED FROM DUST INGRESS BY SEALING OPEN ENDS AND DIFFUSERS / GRILLES UNTIL THE SYSTEM IS READY TO BE COMMISSIONED.
- 16.00 THE MEP SERVICES DESIGN HAS BEEN DEVELOPED USING THE AVAILABLE EXISTING CONDITIONS / ARCHITECTURAL MODEL, WHICH HAS BEEN PRODUCED TO LOD 200. FULL BIM COORDINATION HAS TAKEN PLACE UP TO THE AVAILABLE ACCURACY OF THE EXISTING CONDITIONS MODEL. FINAL COORDINATION OF THE MEP INSTALLATIONS WITH EXISTING STRUCTURE AND EXISTING SERVICES NEEDS TO BE RESOLVED ON SITE PRIOR TO INSTALLATION.
- 17.00 SECONDARY ATTENUATORS SHALL BE PROVIDED AFTER ALL VAV TERMINAL UNITS AS PER LAYOUT DRAWINGS AND IN ACCORDANCE WITH R2 ENGINEERING SCHEDULES AND SPECIFICATION.
- 18.00 DUCTWORK SHALL NOT EXTEND PAST THE LAST DIFFUSER FURTHER THAN 100mm AND SHALL BE PROVIDED WITH AN END CAP.
- 19.00 SUPPLY GRILLES IN OFFICES SHALL BE DOUBLE DEFLECTION GRILLES WITH OPPOSED BLADE DAMPERS. RETURN AIR TRANSFER GRILLES SHALL BE SINGLE DEFLECTION TYPE.
- 20.00 FACTORY INSTALLED INTERNAL ACOUSTIC LINING SHALL BE PROVIDED ON ALL VAV TERMINAL UNITS.
- 21.00 DOWNSTREAM DISCHARGE AIR TEMPERATURE SENSORS SHALL BE PROVIDED FOR ALL VAV TERMINAL UNITS AND FCUS.
- 22.00 TEMPERATURE SENSORS IN OFFICES SHALL NOT INCLUDE ADJUSTMENT AND VISIBLE DISPLAYS. BUTTON TYPE SENSORS SHALL BE PROVIDED THROUGHOUT.
- 23.00 SENSORS SHALL NOT BE PLACED ABOVE DAMPER SWITCHES OR OTHER HEAT PRODUCING ELECTRICAL DEVICES. SENSORS SHALL BE PLACED AT A HEIGHT OF 1.5M AFTL.
- 24.00 M0000 SERIES DRAWINGS SHALL BE READ IN CONJUNCTION WITH R2 ENGINEERING SPECIFICATION.
- 25.00 ALL PROPOSED NEW SERVICES TO BE COORDINATED ON SITE WITH EXISTING RETAINED SERVICES. EXISTING SERVICES TO BE RETAINED HAVE BEEN IDENTIFIED BY INTEGRAL. ALL INFORMATION ON THESE DRAWINGS RELATING TO EXISTING SERVICES TO BE RETAINED IS BASED ON INTEGRAL IDENTIFICATIONS AND ASSOCIATED SURVEY DRAWINGS. ING ENGINEERING CANNOT TAKE RESPONSIBILITY FOR THE ACCURACY OF THIS EXISTING SERVICES INFORMATION.

VENTILATION SERVICES REFERENCE KEY

| ITEM KEY: | DESCRIPTION | REF. |
|-----------|--|------|
| | SECONDARY SUPPLY AIR DUCTWORK | |
| | RETURN/EXTRACT DUCTWORK | |
| | FRESH AIR INTAKE / PRIMARY SUPPLY AIR DUCTWORK | |
| | EXHAUST DUCTWORK | |
| | PASSIVE AIR TRANSFER DUCTWORK | |
| | DUCTWORK RISE / ALL - TO / FROM ABOVE | |
| | FIRE DAMPER | |
| | ACCESS PANEL | |
| | ATTENUATOR | |
| | VCD | |
| | RETURN AIR TRANSFER GRILLE | |

