









[illegible]

The figure contains two architectural floor plans. The left plan is labeled 'Key Plan - Level LG' and shows a long, narrow building footprint. A red hatched rectangle at the top left corner is labeled 'Duplex Apartment'. The right plan is labeled 'Key Plan - Level UG' and shows a similar building footprint with a more complex, stepped right side. A red hatched rectangle at the top left corner is also labeled 'Duplex Apartment'.

1. This drawing shall be read in conjunction with all Mechanical and Electrical Drawings, Schedules and Specification.
2. Contractor to allow for on site co-ordination with the structure and other services and the production of fully dimensioned working drawings prior to installation.
3. All equipment to be installed in accordance with the manufacturers instructions.
4. All Apartment ventilation installations shall be installed in accordance with the building regulation (in particular Parts B, F&L1,4), NHBC, BS5588, BS 5925, BS EN 13465.
5. All Apartment ventilation ductwork shall comprise white coloured rigid PVC flat ducting and components in standard sizes of 220x90mm or 204x60mm which correspond to 150mmOD and 100mmOD respectively. Flat duct systems shall be interchangeable with white coloured rigid PVC circular ducting via appropriate adaptors.
6. All changes of direction shall utilize 45° bends wherever possible in order to reduce system resistance and noise due to turbulence. If, 90° bends are utilized they shall not be installed in close proximity to each other and double bend sets shall be avoided. All ductwork shall be secured to the structure via the appropriate channel clips or brackets.
7. Connections to external louvres shall be via bespoke transition pieces manufactured from either rigid PVC sections or galvanised sheet steel, ensuring angle of taper is not greater than 30° and includes at least one internal splitter to even air flow across full face of louver. All louver transitions must be thermally insulated and vapour sealed.
8. All ductwork component joints shall be solvent welded socket & spigot arrangements using a suitable PVC solvent adhesive. All seals are completely airtight with white coloured silicone duct sealant and having duct tape applied around the full joint / seam upon completion. All ductwork must be installed to "Class A" pressure classification as stipulated in HVCA Specification DW144 and achieve an "Intermediate Level" cleanliness standard as defined in HVCA Specification DW/TM2, being tested upon completion and prior to commissioning.
9. Ensure that any rectangular or circular rigid PVC duct passing through a designed fire barrier is provided with an intumescent "Fire Wrap" sleeve having metal collar, capable of fully compressing the ductwork to completely seal the opening and prevent the passage of air. Fire sleeves/collars shall be installed within the opening using the surrounding structure to provide lateral support on all side in operation. All openings for fire sleeves & collars shall be made good with intumescent duct sealant ensuring gaps are completely filled to their full depth or thickness.
10. Kitchen specialist to supply and fit kitchen extract canopy with sufficient duty to meet Part F Building Regulations.
11. FCU plenum and supply ductwork to be internally acoustically treated with pyro foam in accordance with the requirements of the acoustic consultant.
12. All supply & extract ductwork from the MVHR unit to atmosphere shall be insulated.
13. All penetrations through FCU return air plenum are to be hermetically sealed.

ATT	-	Attenuator
EG	-	Extract grille
EF	-	Extract fan
EL	-	Extract louvre
FCU	-	Fan coil unit
MVHR	-	Mechanical ventilation heat recovery unit
LSG	-	Linear slot grille
SD	-	Set down
SG	-	Supply grille
SL	-	Supply louvre
SU	-	Set up
SU	-	Set up
HIU	-	Heat interface unit
MVHR	-	Mechanical ventilation heat recovery
	-	Supply ductwork
	-	Extract ductwork
	-	Fresh air ductwork
	-	Exhaust ductwork
	-	Insulated ductwork
	-	Denotes boundary of ceiling void plenum
	-	Denotes ductwork to be acoustically lined
	-	Supply air path
	-	Return air path
	-	Residential apartment

C1	Apr'17	Construction Issue
Rev	Date	Description

Client



Project Title

KIDDERPORE AVENUE
LONDON

Drawing Title

MAYNARD WING
APARTMENT TYPE
VENTILATION LAYOUT

MKPCONSULTANTS
ENGINEERING EXCELLENCE

Warren Farm Barn, Andover Road,
Micheldever Station, Winchester, SO21 3FL
Tel. 01962 774665, www.mkpg.com

Drawn CJS	Date MAY'16	Checked GCS	Approved PK
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Scale 1:50	Size <input type="radio"/> A4 <input type="radio"/> A3 <input checked="" type="radio"/> A1 <input type="radio"/> A0	Issue <input type="radio"/> Preliminary <input type="radio"/> Tender <input checked="" type="radio"/> Construction <input type="radio"/> Contract
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Drg. No. 9200-DRG-39MW-AT002
 Rev C1

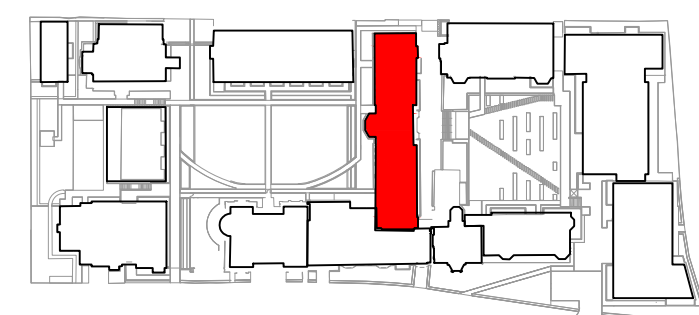


Typical Extract Air Valve / Grille

Grille locations as shown on
architects RCP's

Kitchen layouts not available, appliances
fed as shown on Architects plans

Drawing based on A & Q drawing no.
9000-DRG-03MW-LG021 - Rev C3
9000-DRG-03MW-UG021 - Rev C2



Site Key Plan