

 existing walls

West Street



Academy House
London Road
Camberley
Surrey
GU15 3HL

TITLE	PROPOSED PLAN
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DRAWING No	REVISION
DB447 - GA04	A

COMPARTMENT CEILINGS/FLOORS BETWEEN CLIENT'S PREMISES AND FLAT ABOVE:-

Ceiling upgraded to give improved airborne sound insulation, 60min. Fire Resistance and Class 0 Surface Spread of Flame. Provide Gypliner Universal ceiling suspended with Gyframe GL1 Lining Channels at 450mm maximum centres to give a preferred minimum cavity of 50mm (maximum of 145mm). 50mm Isover APR 1200 insulation in the cavity (no ductwork within void). Ceiling lining to be 2 layers of 12.5mm Gypsum Fireline with taped and filled joints.

INTERNAL PARTITIONS:- British Gypsum Gyproc Gypwall metal studing. All metal stud walls to be constructed in accordance with British Gypsum's details and specification. All joints to be fully supported, taped and filled. Max. stud spacing 600mm. All fire and sound resisting partitions and linings to be taken full height to u/s. floor/roof above and junctions with existing structure to be acoustically sealed and fire stopped. Provide supplementary earth bonding to metal stud walls. Maintain integrity of compartments by careful making good with plaster to the satisfaction of Building Inspector.

EXISTING WALLS TO BE REMOVED:- Where existing walls/partitions are shown as being removed, the existing floor/ceiling above is to be repaired and made good as necessary to achieve a minimum FR30 (if 1st Floor within same ownership) or FR60 (if 1st Floor under separate ownership) fire resistance to the satisfaction of the Building Inspector.

All existing external walls which are being dry-lined are to be insulated by the addition of internal insulation to upgrade to grade 4. U-value of $0.3\text{W/m}^2\text{K}$ unless existing U-value proves to be $0.7\text{W/m}^2\text{K}$ or better. Existing external walls are believed to be block and brickwork cavity construction. Additional insulation, where required, is to be incorporated within the new dry lining to the wall – 25x50mm timber battens fixed to wall at 600mm centres, with 72.5mm thick Celotex PL4060 insulated plasterboard (60mm PIR insulation bonded to 12.5mm tapered edge plasterboard face) fixed in accordance with manufacturer's instructions, overall thickness = 97.5mm. Reveals to window openings to be lined with foil backed plasterboard on shallow battens with void packed with quilt or rigid insulation, or lined with insulation backed plasterboard eg Gyproc ThermoLine Basic 22mm thick.

DETAILED DESIGN BY SPECIALIST SUB-CONTRACTORS. All work to be carried out in full compliance with the Building Regulations, Gas Safety Regulations, DBSE Codes and DEFRA "Guidance on the control of odour and noise from buildings". The design shall include the following: a) Details of use of all areas of useable space (including Land Specification for Ventilation and Air-Conditioning System (rev. H 19/07/11 or as subsequently amended) which takes precedence over this drawing. Efficiency and controls of heating, cooling and ventilation systems to be in accordance with the relevant existing planning and building control guidance. b) Details of all services, providing full copies of all commissioning certificates for all plant and equipment including air gaseous of ductwork as appropriate. c) Details to be provided in accordance with Section 4 of ADL2A/B-2010 including full details of building and fixed building services including commissioning certificates, operating manuals and maintenance/servicing requirements. All plant, ductwork, pipework, etc. shall be designed to prevent ingress and corrosion, have a minimum number of joints and be designed to prevent the ingress of rodents and insects.

MECHANICAL VENTILATION TO TOILETS (CONTRACTOR/SPECIALIST DESIGN):- Mechanical extract from toilets to give 15 l/s. air change controlled by light switch with 20 minute overrun. Lobbies to have fresh air supply. Door between toilet and lobby undercut or provided with ventilation grille.

SUPPLY AIR (CONTRACTOR/SPECIALIST DESIGN): All internal rooms to be provided with forced fresh air via external supply air fan and ductwork at the rate of 10 l/sec./occupant. If the wash area is also internal, the rate of air change should satisfy its size and occupancy. Fresh air system to be designed to replace 80% of extract air volume with fresh air with a max. velocity of 2.5m./sec., accessible fresh air filter, ductwork with ceiling mounted diffusers, axial flow fan, dampers in fire walls, and external wall intake louver with min. free area of 50% and bird/rodent guard. Extraction is to be via the main ventilation system (min. 30-40 air changes/hour).

Existing aluminium shopfront and customer entrance doors to be painted Traffic Grey (RAL7043). Heavy duty letter plate, incorporating draught flap/seals, full height white RAL9010 plastic coated vertical pull bars (visually contrasting and not cold to the touch) to both sides, and locks in accordance with Client's specification. Existing timber framed shopfronts to be replaced with glazed aluminium frames coloured traffic grey (RAL7043)

Where required, manifestation to glazing to be in accordance with Approved Documents N2 & M2. Manifestation to be in the form of 50mm Ø frosted vinyl roundels applied to inside face of glass @ 250mm centres, in bands at two levels – from FFL/GL, 900mm to CL of lower band and 1500mm to CL of upper band. N.B. manifestation not required to windows where permanent poster frames are fitted, or where internal sit up bars are installed, due to integral modesty panel.

Even if not required under current Building Regulations, The end user should give consideration as to how the requirements of the Equality Act (2010) are to be met in respect of means of access for employees and customers, the provision of accessible sanitary facilities, etc..

B2149 Park Road South