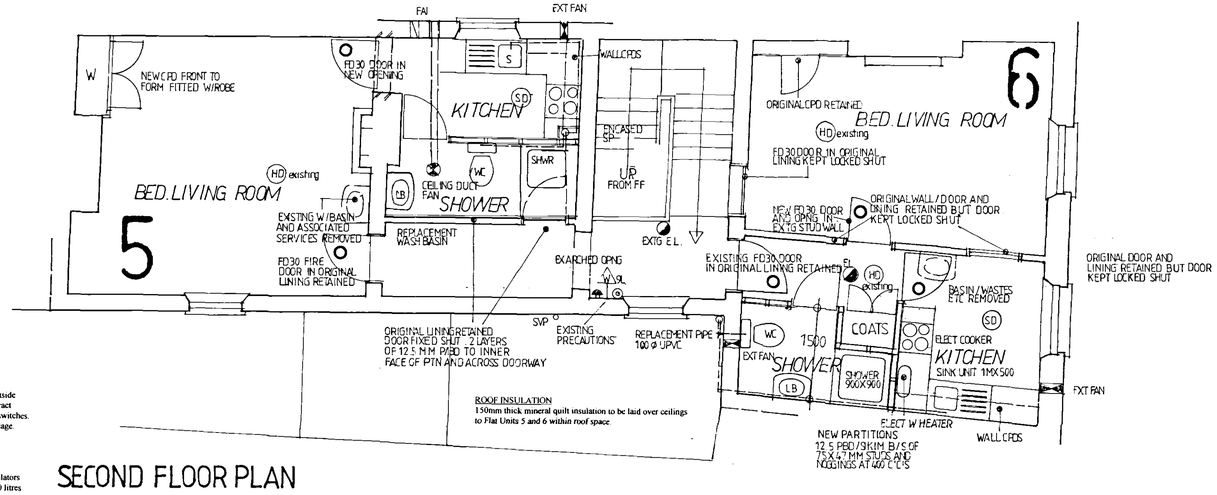


SECOND FLOOR PLAN

MEANS OF VENTILATION

SHOWER ROOMS
Mechanical extract ventilation with fans located on outside wall or ceiling mounted duct fans. 15 litres per sec extract rate controlled automatically by the operation of light switches. Fans provided with 15 minutes overrun facility after usage. 10mm gaps under room doors for airlets.

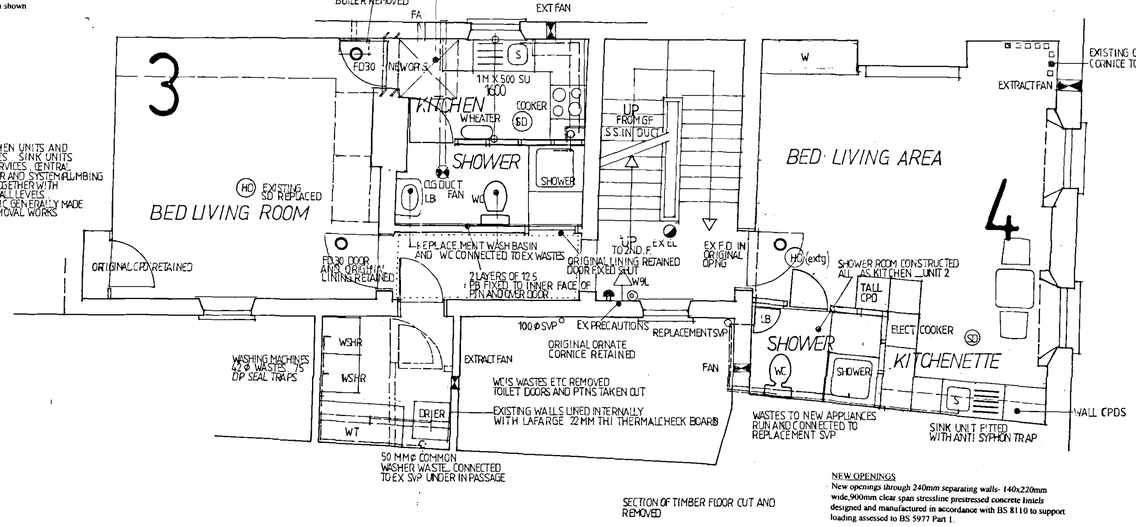
KITCHENS - FLAT UNITS 3 -5 AND 6
Existing openable windows providing rapid ventilation in addition air bricks installed with 'hit and miss' ventilators with clear free areas of 4000mm2. Extract fans rated 60 litres per second in position shown, intermittently operated.

KITCHENS - FLAT UNITS 1AND 2
Mechanical extrat ventilation with fans located on outside wall or ceiling mounted duct fans 60 litres per sec extraction rate. Fans provided with 15 mins overrun facility after usage controlled automatically by the operation of light switches. 10mm gaps under doors to provide air inlets.

KITCHEN FLAT UNIT 4
Existing openable window providing rapid ventilation in addition wall mounted extract fan 60 litres per sec in position shown intermittent operation.

PIPE ENCASEMENT - INTERNAL STACK
110mm upvc soil and vent pipe encased in 12.5mm plasterboard screw fixed to 32x32mm softwood noggings. Where pipes passes through intermediate floors firestopping required min 40mm thickness of mineral rock fibre. Any opening for the passage of pipes connected to stack to be as small as possible and firestopped around pipe.

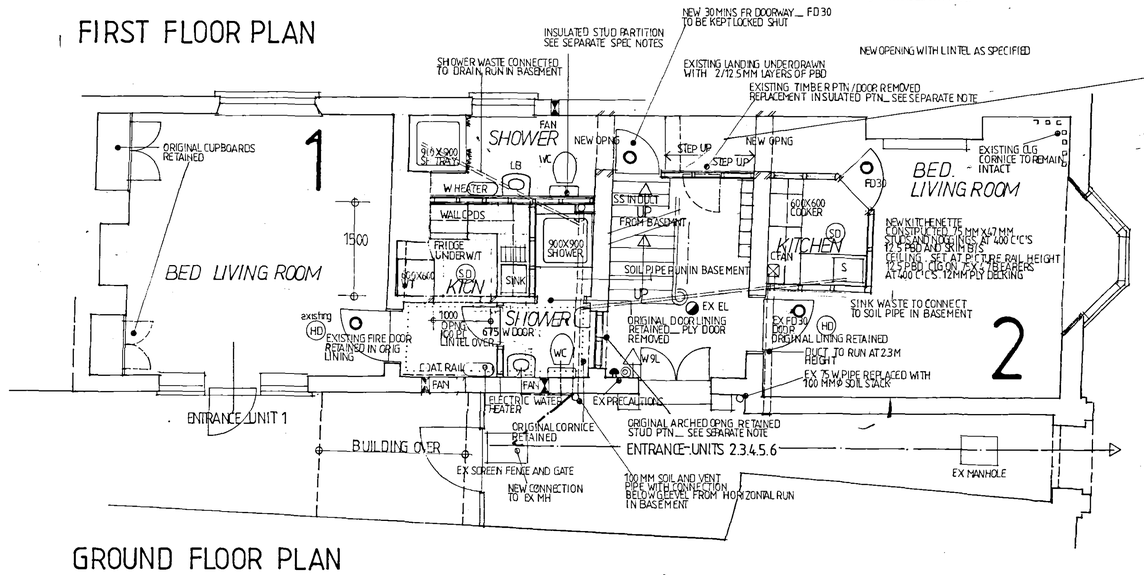
NEW PATITIONS
Separating wall - Kitchen (Unit 1) and shower room (Unit 2)
Arched opening (Unit 1) Staircase partition (Unit 2) - 75x47mm studs at 600 centres max with facings both sides of two layers of Lafarge Echeck wallboard 12.5mm thickness . Insulation between studs of 25mm glass mineral wool - density 19.5 kg/m3
Second Insulation - 46 RwdB
Fire Resistance - 60 minutes



FIRST FLOOR PLAN

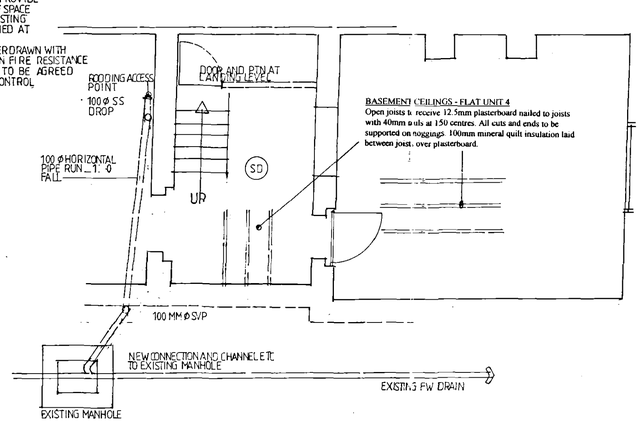
SECTION OF TIMBER FLOOR CUT AND REMOVED

NEW OPENINGS
New openings through 240mm separating walls- 140x220mm wide,900mm clear span stressline prestressed concrete lintels designed and manufactured in accordance with BS 8110 to support loading assessed to BS 5977 Part 1.



GROUND FLOOR PLAN

CROSSED AREA INDICATES EXISTING SECTION OF FLOORING REMOVED NEW FLOOR SET AT LOWER LEVEL TO PROVIDE INCREASED HEADROOM UNDER HALF SPACE LANDING . FLOOR TO BE SET AT EXISTING LOWER STEP LEVEL . STEP UP FORMED AT NEW OPENING
125 X 50 S/W JOISTS AT 400 C/C'S UNDERDRAWN WITH 12.5 MM PBD AND SKIM TO MAINTAIN FIRE RESISTANCE FLOOR SUPPORT AT BASEMENT LEVEL TO BE AGREED ON SITE WITH LOCAL . A . BUILDING CONTROL



BASEMENT CEILINGS - FLAT UNIT 4
Open joists to receive 12.5mm plasterboard nailed to joists with 40mm ø nails at 150 centres. All cuts and ends to be supported on noggings. 100mm mineral quilt insulation laid between joist. over plasterboard.

BASEMENT PLAN

FIRE PRECAUTION
GENERAL
Existing smoke and heat detectors to be retained if their positions comply with the requirements for the fire safety as indicated on the plans.

DETECTORS GENERALLY
Automatic fire detectors type L2 system to comply with BS 5839. Smoke detectors to comply with BS 5446 Part 1 1977 either ionisation or photoelectrical type with heat detectors provided as appropriate in kitchen areas. Refer to plan for locations.

SOUNDERS
Detector sounders to be wired in accordance with BS 5839 Clause 17.2m heat resisting wiring carried by a member of the I. E. E or Electrical Contractors . Each room used for sleeping accommodation to be provided with sounders as shown.

TESTING
Installation to be tested upon completion by a I.E.E or N.I.C.E.C with installation certificate in accordance with BS 5839.

MAINTENANCE
installation to be directed and tested in accordance with BS 5839 by a member of the I.E.E or N.I.C.E.I.C. Log book to be completed and retained for examination by the Inspecting Officer at the time of inspection.

EMERGENCY LIGHTING
To be provided throughout the escape route in positions shown on the drawings. Existing lighting points retained if positions comply with the requirements.
Emergency lighting to comply with BS 5266 Part 1 for the emergency lighting of premises 1988.
System to be self contained providing lighting for min of one hour.

MANUAL ALARM ACTIVATION POINT
Existing break glass points retained on all floors in positions shown.

POWER SUPPLY
Existing exclusive and standby supply for alarm system retained and extended as necessary to new alarms as indicated.

FIRE ALARM PRECAUTIONS -LEGEND

Emergency Lighting Point.

Automatic Smoke Alarm.

Automatic Heat Detector.

Break Glass Alarm Call Point.

Fire Alarm Control Panel.

Fire Extinguisher - Water Type 9 Litre Capacity.

Audible Warning Device- Bell Sounder.

FOUL DRAINAGE

NEW BRANCH DRAIN
New branch drain to existing manhole *m* upvc pipes to BSEN 1401 to 1 in 40 gradient bedding all as specified for flexible pipes in diagram 10 of Part H of app-document.
Wall penetrasion, where drainage run within existing cellar penetrates external wall short lengths of pipe be-lded in wall. Adjacent rocker pipe, 600mm long with flexible joints within 150mm of wall face.

SANITARY PIPEWORK

Sanitary pipework in upvc to BSEN 1329 or polypropylene to BSEN 1451.

Minimum Trap Sizes and Seal Depths-
Wash basins - 32mm dia - 75mm seal depth
Sink units - 40mm dia - 75mm seal depth.
Showers - 40mm dia - 50mm seal depth.
WC pans - 100mm dia - 50mm seal depth.

Branch pipes serving single appliance to have some diameter as appliance trap. Common branch pipes in accordance with Table 2 Part 41.

Sanitary appliances to be fitted with anti - syphon traps where wastes exceed 3m in length..

Stab and discharge stacks to be 100mm dia in positions shown. Rodding points to be provided to give access to any inaccessible pipe length. Rodding points to be above the spill over level of the appliances. Where internal soil stack is taken into basement and run horizontally to external soil stack, minimum fall to be 1.40 and rodding access point installed at change of direction.

HOT WATER AND HEATING
Hot Water - Instantaneous direct electric water heaters providing hot water for sink and shower room appliances.

Cold Water - Existing mains service extended to serve all new sanitary fittings and sinks.

Heating - Electric storage heating. Operation on 'Heatwise' tariff.

Metering - Each unit to be metered separately . Lighting to communal areas ie staircase lanes ags and laundry by landlord.

SHDC
Planning & Development
- 3 JUN 2004
739/04

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CASTLE BUILDING LTD

PROPOSED ALTERATIONS TO WESTHOLME 32 WEST END HOLBEACH

Date Mar. 04 Scale 1:50
1018.04.2A

A. Minor amendments 27.5.04

DETERMINED PLAN