

# **Existings Ground floor**

1:50

## EXISTING STRUCTURE

Existing structure including foundations, beams, walls and lintels carrying new and altered loads are to be exposed and checked for adequacy prior to commencement of work and as required by the Building Control Officer.

## ROOF LIGHTS

Min U-value of 1.6 W/m<sup>2</sup>K. Roof-lights to be double glazed with16mm argon gap and soft low-E glass. Window Energy Rating to be Band C or better. Roof lights to be fitted in accordance with manufacturer's instructions with rafters doubled up to sides and suitable flashings etc.

### RAINWATER DRAINAGE

New rainwater goods to be new 110mm UPVC half round gutters taken and connected into 68mm dia UPVC downpipes. Rainwater taken to new soakaway, situated a min distance of 5.0m away from any building, via 110mm dia UPVC pipes surrounded in 150mm granular fill. Soakaway to be min of 1 cubic metre capacity (or to depth to Local Authorities approval) with suitable granular fill and with geotextile surround to prevent migration of fines. If necessary carry out a porosity test to determine design and depth of soakaway.

### ELECTRICAL

All electrical work required to meet the requirements of Part P (electrical safety) must be designed, installed, inspected and tested by a competent person registered under a competent person self certification scheme such as BRE certification Ltd, BSI, NICEIC Certification Services or Zurich Ltd. An appropriate BS7671 Electrical Installation Certificate is to be issued for the work by a person competent to do so. A copy of a certificate will be given to Building Control on completion.

## INTERNAL LIGHTING

Install low energy light fittings that only take lamps having a luminous efficiency greater than 45 lumens per circuit watt and a total output greater than 400 lamp lumens. Not less than three energy efficient light fittings per four of all the light fittings in the main dwelling spaces to comply with Part L of the current Building Regulations and the Domestic Building Services Compliance Guide.

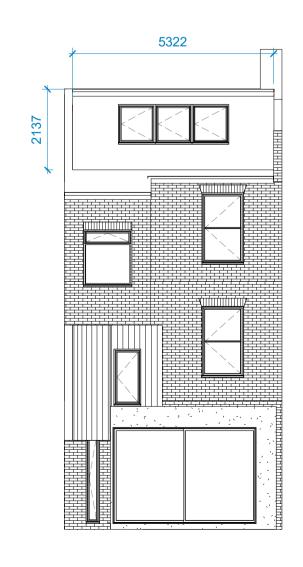
### HEATING

Extend all heating and hot water services from existing and provide new TVRs to radiators. Heating system to be designed, installed, tested and fully certified by a GAS SAFE registered specialist. All work to be in accordance with the Local Water Authorities bye laws, the Gas Safety (Installation and Use) Regulations 1998 and IEE Regulations.

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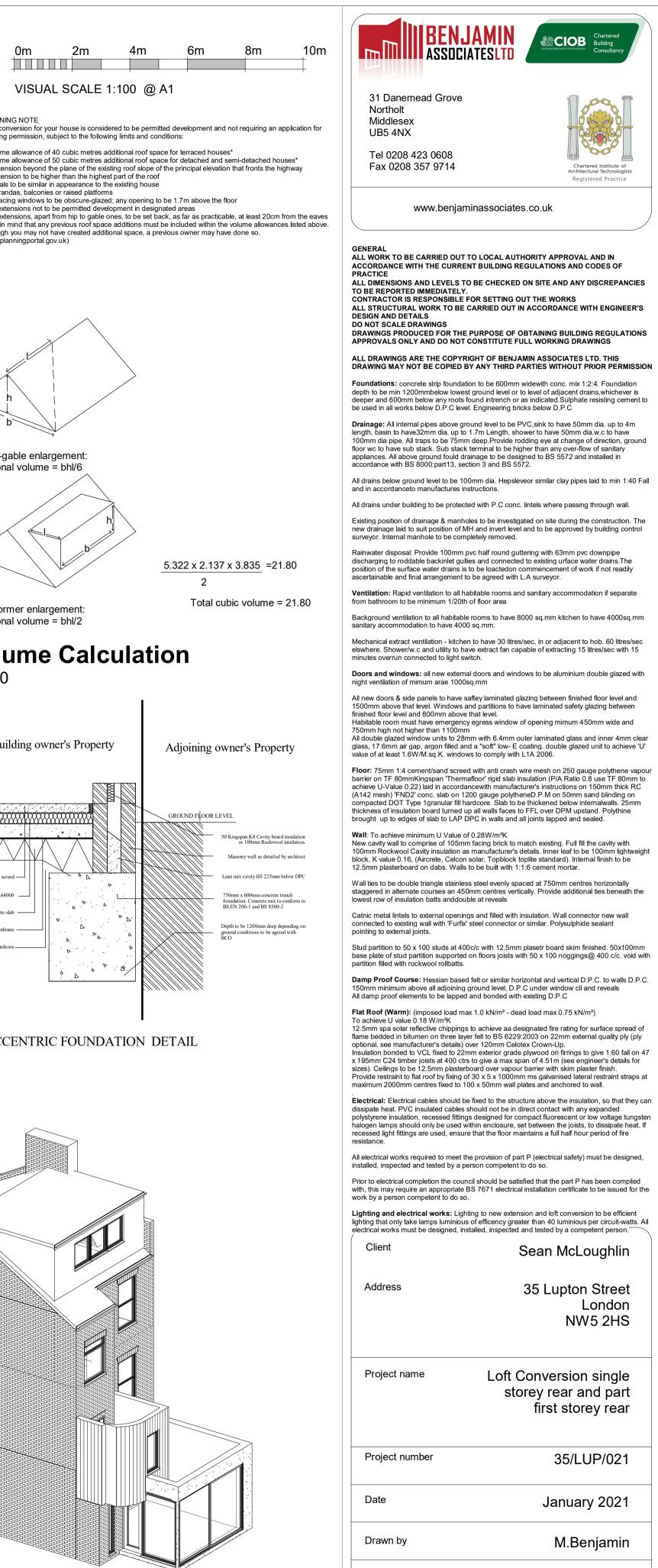


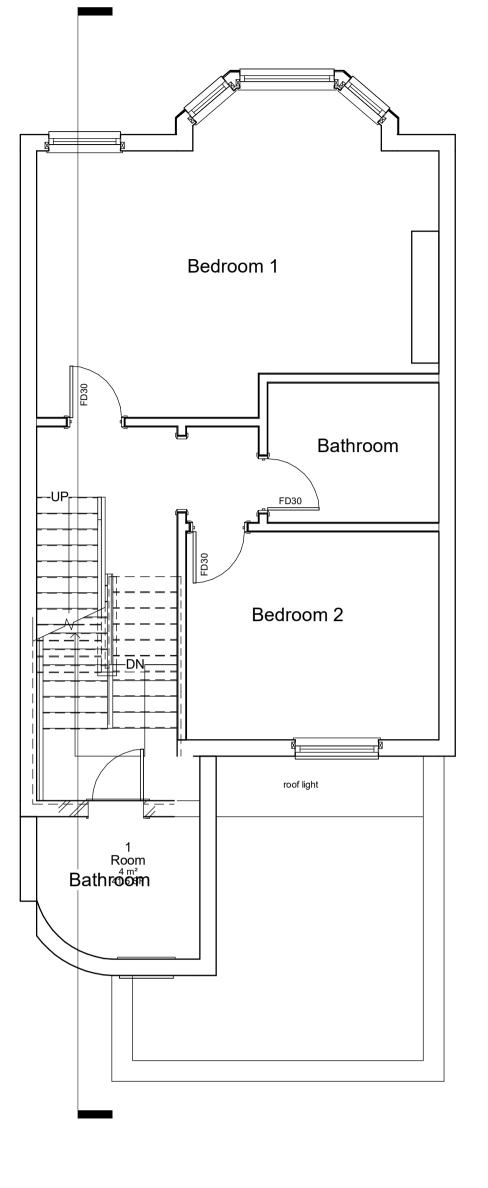
**Proposed Front Elevation** 1:100

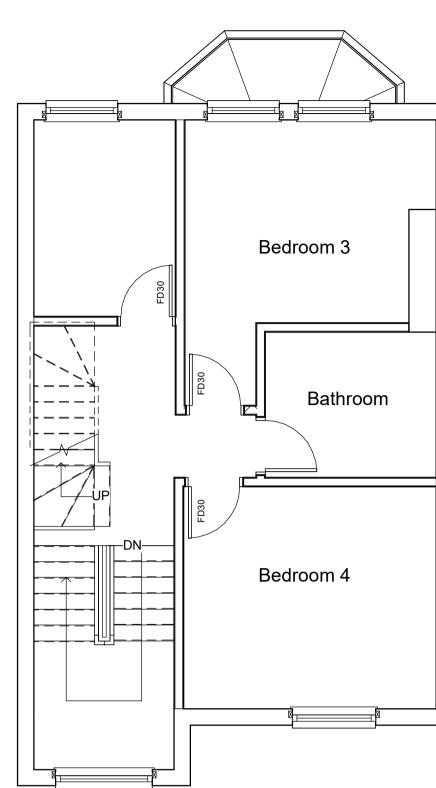


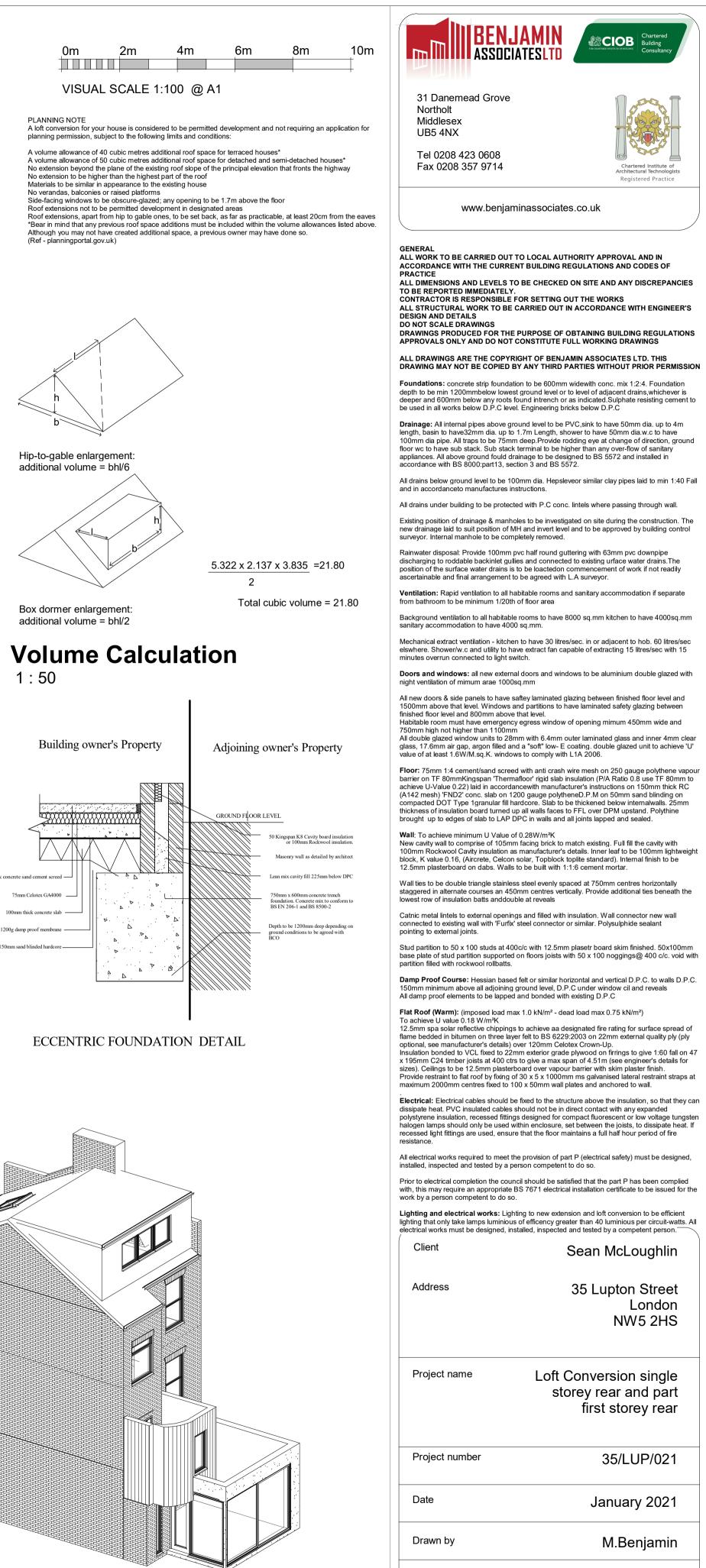
## **Proposed Rear Elevation** 1:100

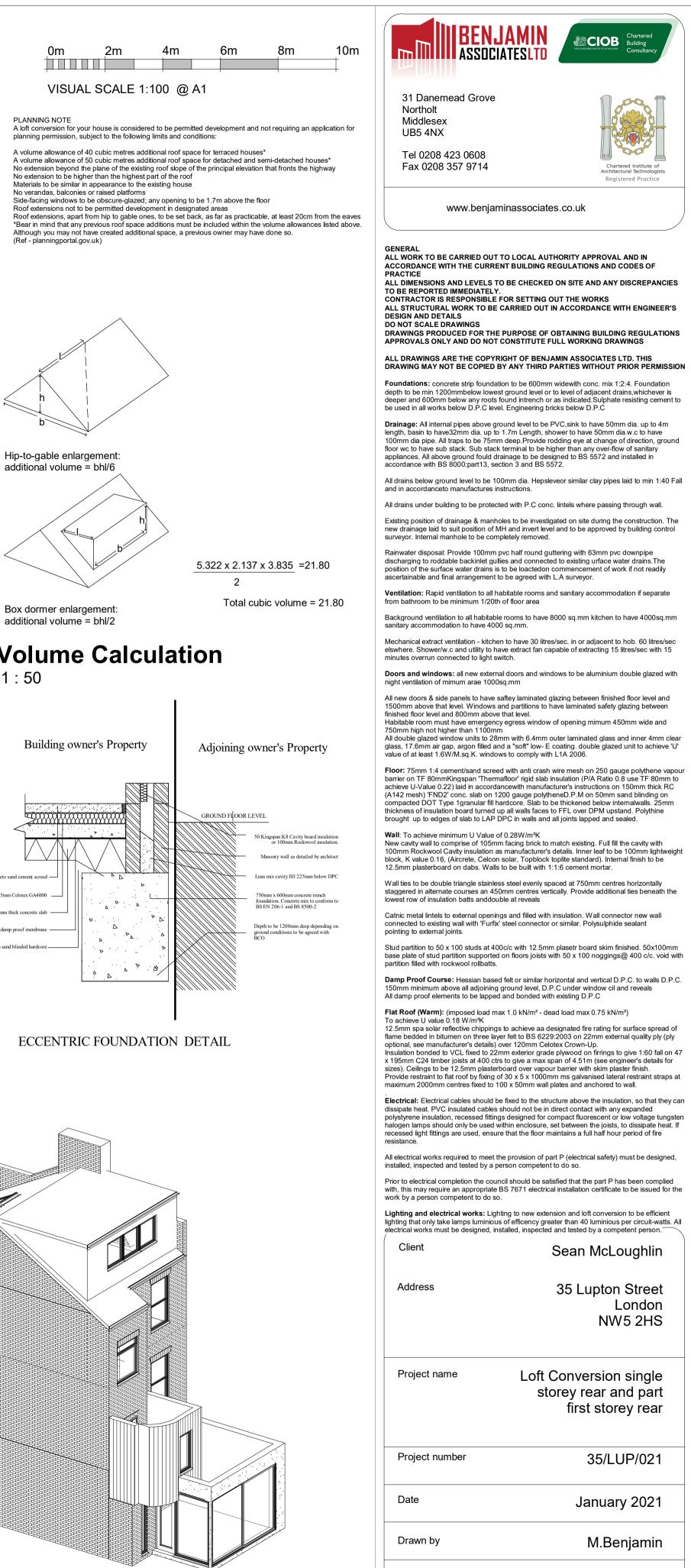
## **Proposed side Elevation** 1:100

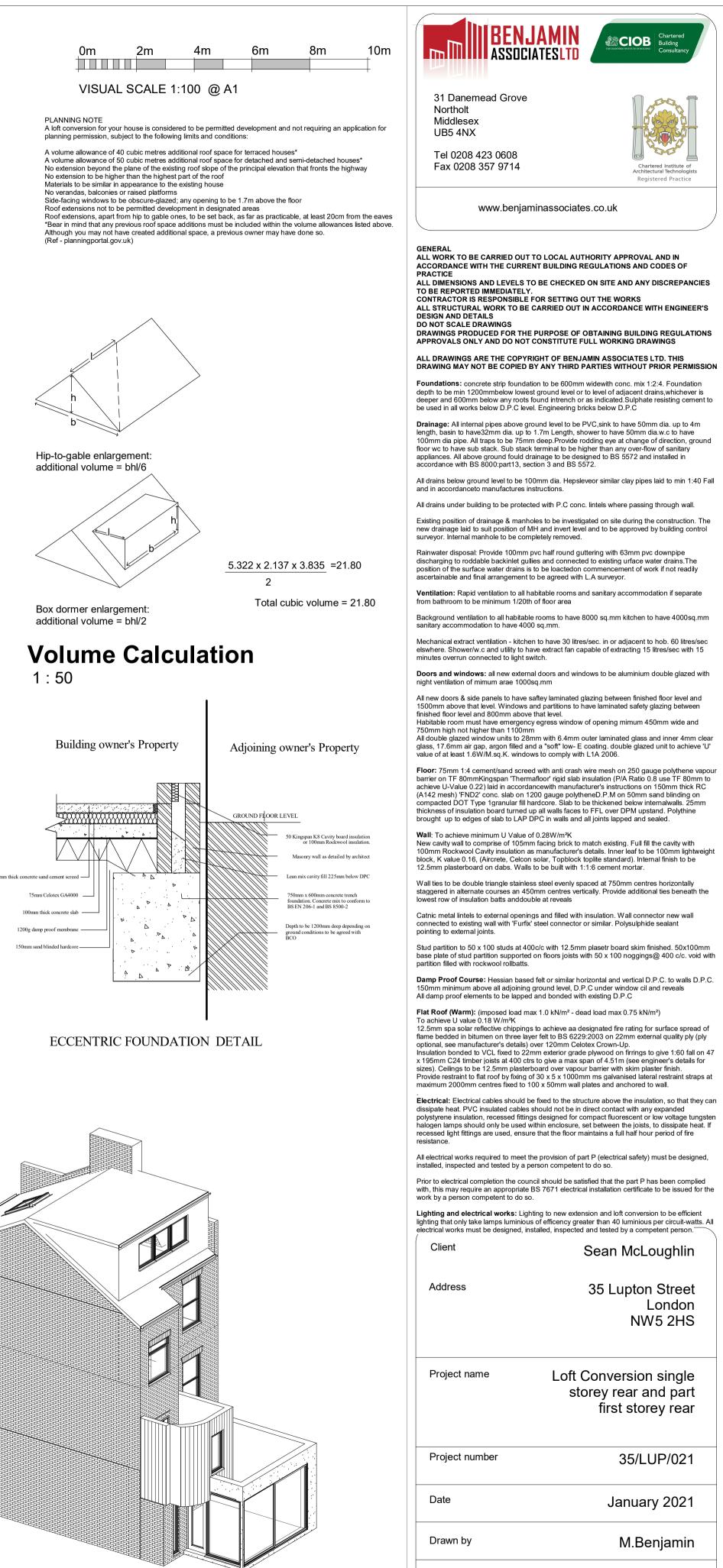








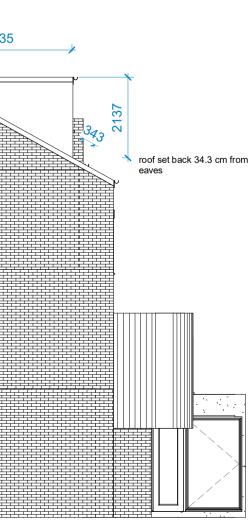


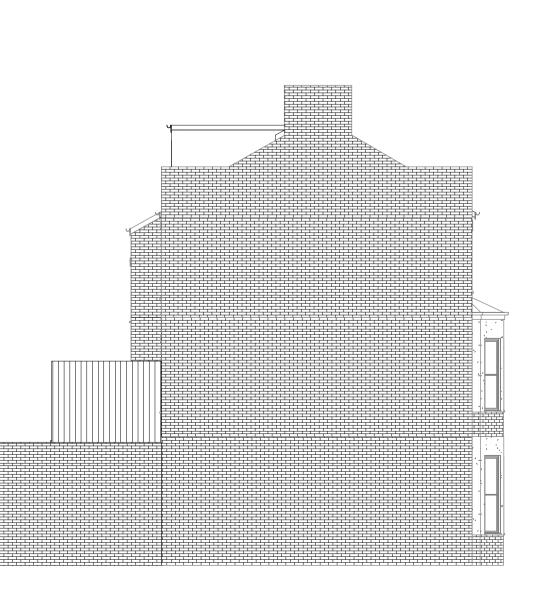


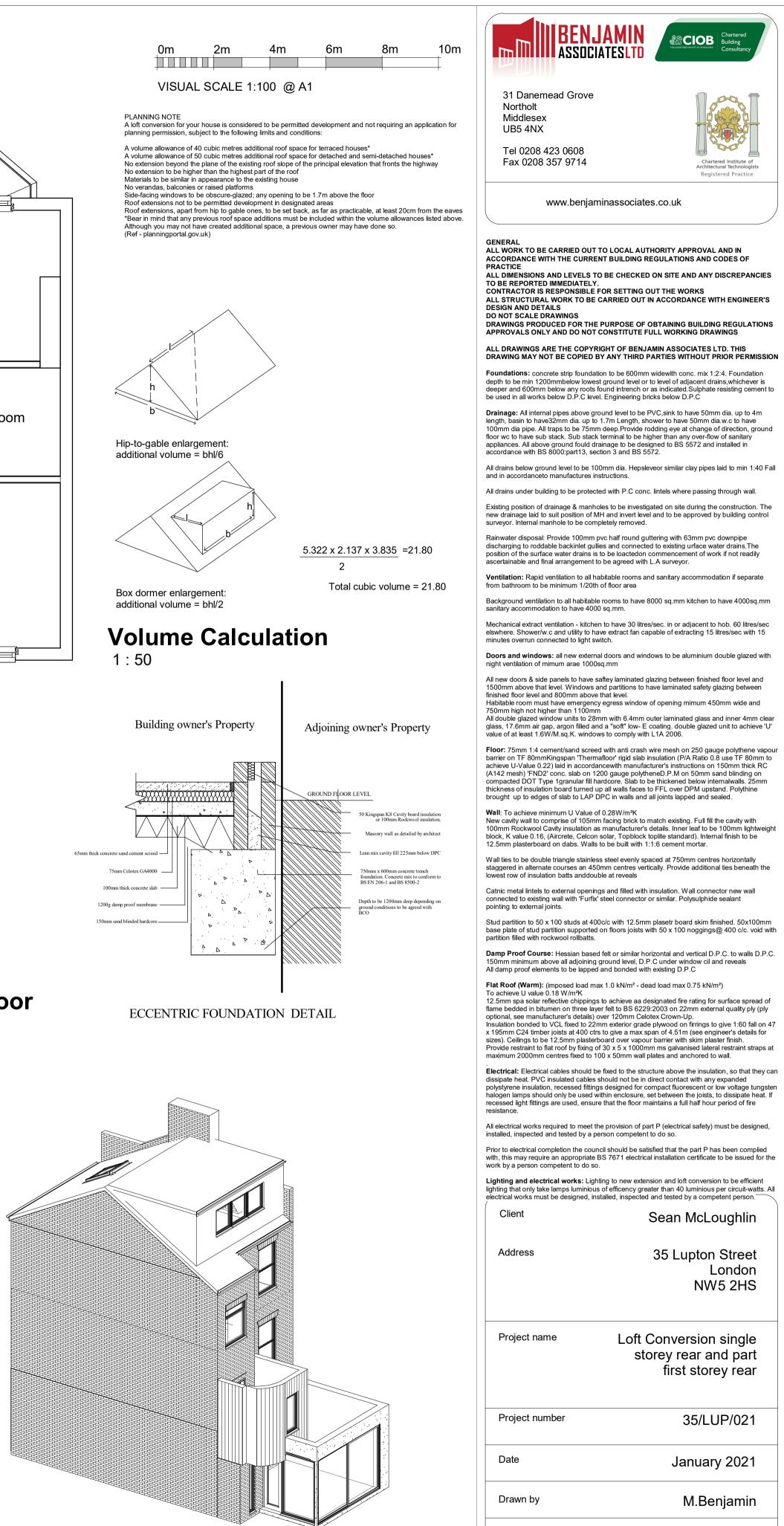
**Existings First floor** 

# **Existings Second floor**

1 : 50







## **Proposed other side** 1:100

Sheet number

Scale

Checked by

As indicated

MSB

A101



## ventilation via trickle vents to BS EN 13141-3 within the rate of min 5000mm<sup>2</sup>; and to kitchens, bathrooms, WCs and utility rooms at a rate of 2500mm<sup>2</sup> Purge ventilation - New windows/rooflights to have openable area in excess of 1/20th of the floor area, if the window opens more than 30° or 1/10th of the floor area if

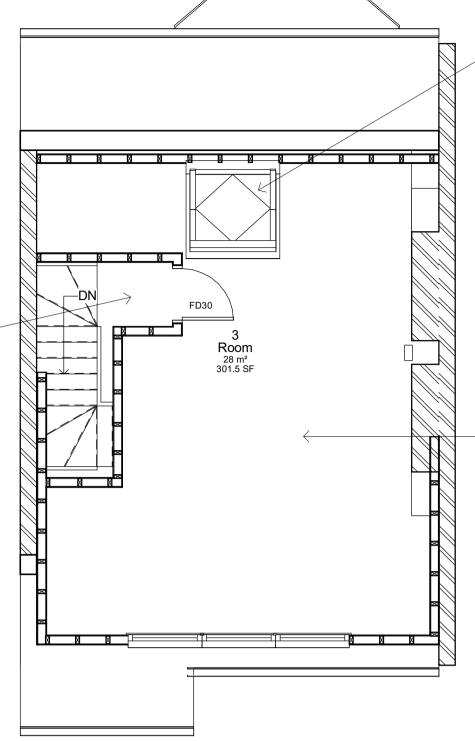
linked smoke alarm fitted with

Drainage - Bath, basin & shower waste pipes to be 40mm diameter. Runs up to 4m to be 50mm diameter all connected separately with water seal traps to existing SVP or new 100mm common branch pipe (1:40 fall). Cleaning access to be provided at change of pipe direction. Opposed connections to SVP to be offset at least 200mm Vent pipe within 3m of any openable window to be extended 900mm above window and approved with cage or perforated

Walls - stair enclosure 47 x 100mm vertical studs at 400mm c/c fixed to head plates with staggered noggins. Both sides with 12.5mm plasterboard with plaster skim coat finish to provide 30-min fire resistance

EXTRACT TO BATHROOM Bathroom to have mechanical vent ducted to external air to provide min 15 litres / sec extraction. Vent to be connected to light switch and to have 15 minute over run if no window in room. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. All fixed mechanical ventilation systems, where they can be tested and

Beams install universal beams & columns in accordance with structural engineer's design. Beam ends to bear on padstones or mild steel bearing plates. Plates or padstones to be built onto brickwork and bedded in 10mm thick mortar. Reinstate brickwork around beam ends and pack voids well with mortar. Floor beams to provide 30-min fire resistance by caoting with intumenscent paint or by encassing in 2no. layers of 12.5mm plasterboard with staggered joints taped and filled. All new beams to



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Certification Services or Zurich Ltd. An appropriate BS7671 Electrical Installation Certificate is to be issued for the work by a person competent to do so. A copy of a certificate will be given to

