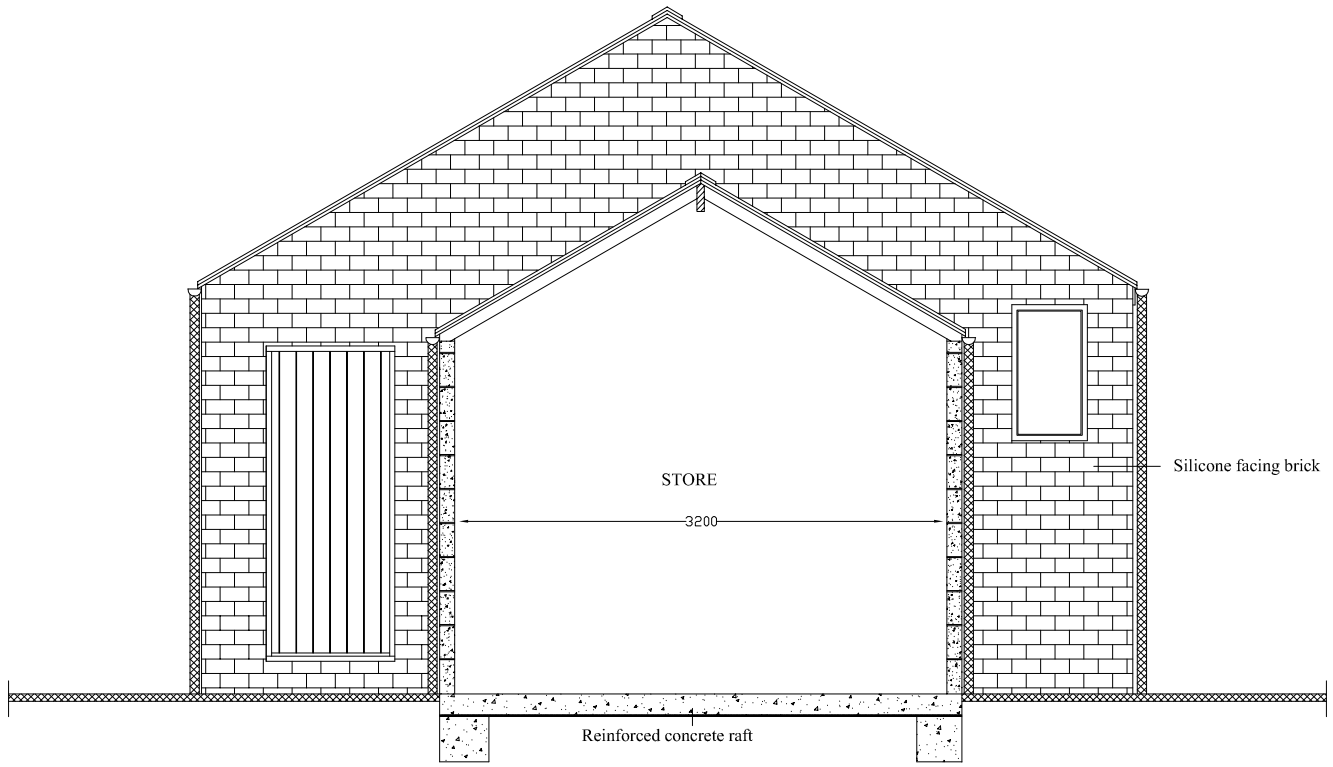
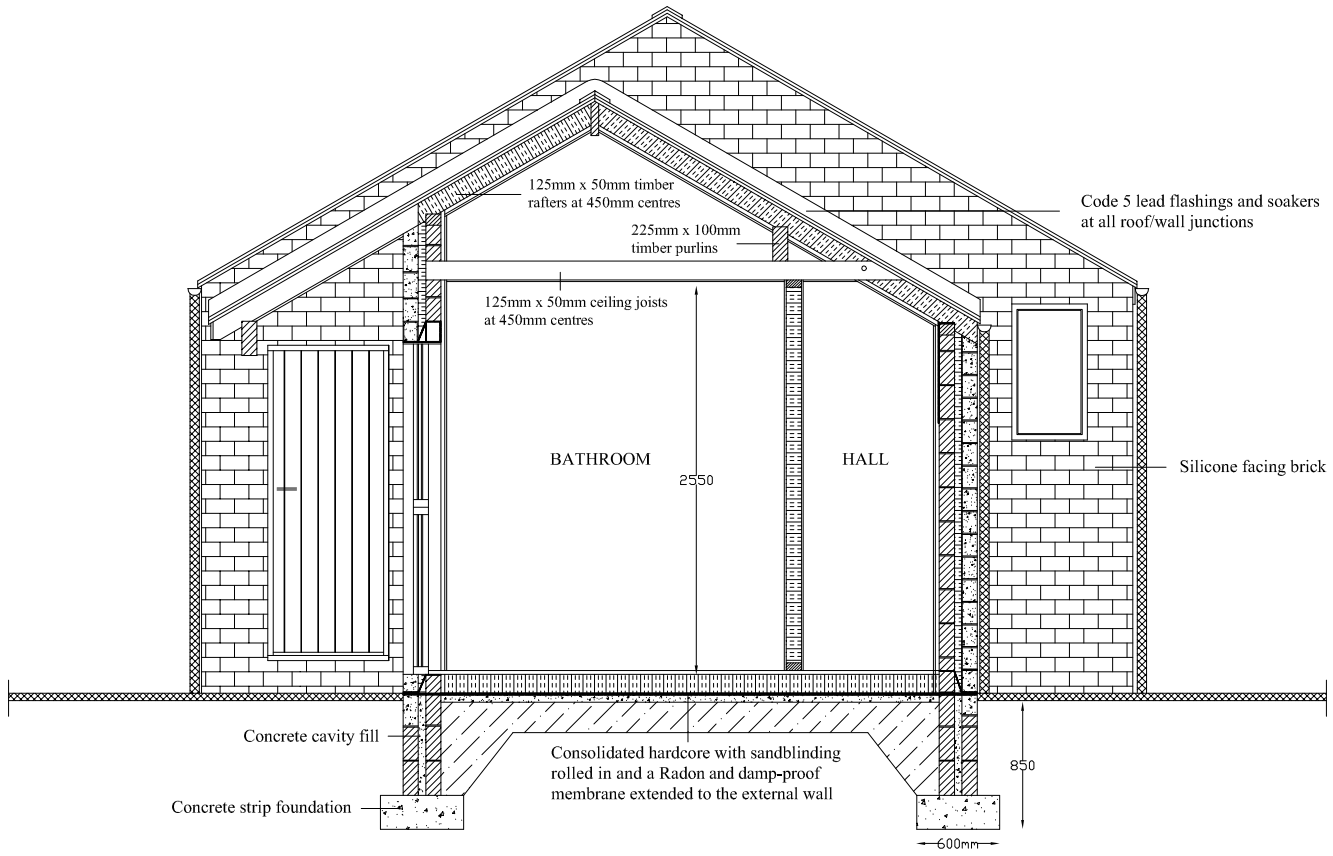
EXISTING SECTION THROUGH STORE



PROPOSED SECTION THROUGH BATHROOM



CONSTRUCTION NOTES

INSULATION
All "U"values are to be to Code Level 3 of The Code for Sustainable Homes.

EXTERNAL WALLS
The external walls, roof and floors are to be insulated to the following minimum standards:-
Walls - 50mm Polyurethane foam injected into the existing cavity "U" value 0.18W/m2K.

WARM PITCHED ROOF
Roof - Unvented roof with insulation between rafters of 75mm thickness Kingspan K7 with rafterbacks underdrawn with 38mm K18 insulated plasterboard "U" value 0.19W/m2K..
Kingspan nilvent breathable membrane laid taut in vertical runs held in place with staples. 25mm thick counter battens should be fixed to the top of the rafter to allow a minimum of 10mm gap for the disposal of water vapour drainage. All work on the warm insulated unvented roof is to comply with BS 5250: 1989 (1995).

FLOOR
Floor - Kooltherm K3 Floorboard 100mm thick laid on the radon membrane off the existing floor concrete. "U" value 0.18 W/m2K.
Windows - U.p.v.c. frames with 4-16-4 double glazing (low - E, en = 0.15 soft supplied by Pilkington Optitherm) "U" value 0.22W/m2K.

LIMITATIONS ON AIR LEAKAGE
Robust Construction
All reasonable methods to reduce infiltration of air around openings in the external fabric, floor and roof and all good practice guides shall be included in the general construction of the building.

SAFETY GLAZING
All glazing in critical locations i.e. glazing in and around doors and windows below 900mm off the floor level are to be safely glazed to BS 6260 and marked according to BS 6260.

ELECTRICAL INSTALLATIONS
All electrical work will be carried out to meet the requirements of Part P of the Building Regulations by a competent person and a member of ELECSA. Notification to the Local Authority is the responsibility of ELECSA and the contractor, the notice must demonstrate that the electrical installations conform to BS 7671. The householder certificate is to be issued on completion of the work to show compliance with BS 7671.

GAS SAFETY (installation and use) REGULATIONS
The contractor or person appointed to carry out work shall be registered with CORGI approved by the Health and Safety Executive.

SCALE 1:50

DRAWING NO. 08