

CONSTRUCTION NOTES

INSULATION

All "U" values are to comply with The Code Level 3 of The Code for Sustainable Homes.

The external walls, roof and floors are to be insulated to the following minimum standards:-

Walls - Kingspan Kooltherm K8 partial cavity board 75mm thick with a clear 25mm residual cavity with 38mm Kooltherm K17 insulated plasterboard to inner block wall "U" value 0.15W/m2K.

Roof - Unvented roof with insulation between rafters of Kingspan Thermapitch TP10 125mm thick with rafters underdrawn with Kooltherm insulated board 72.5mm thick mechanically fixed to the rafter "U" value 0.13W/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 - Kooltherm K3 Floorboard 125mm thick laid under floor concrete "U" value 0.13W/m2K. Windows - U<sub>p.v.c.</sub> frames with 4-16-4 double glazing (low - E, en = 0.15 soft supplied by Pilkington Optitherm) "U" value 0.22W/m2K.

SOUND INSULATION

All internal walls adjoining habitable rooms, bedrooms, lounges, kitchens and bathrooms etc. from corridors will have a performance of 40L<sub>nT</sub>w minimum of sound transmission. All timber stud partitions are to be of 100mm studs with 12.5mm of Gyproc Wallboard either side of partition with 65mm ISOWOOL APR 1200 glass mineral wool fixed to inner side of wall.

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. 06

PROPOSED GROUND FLOOR PLAN

