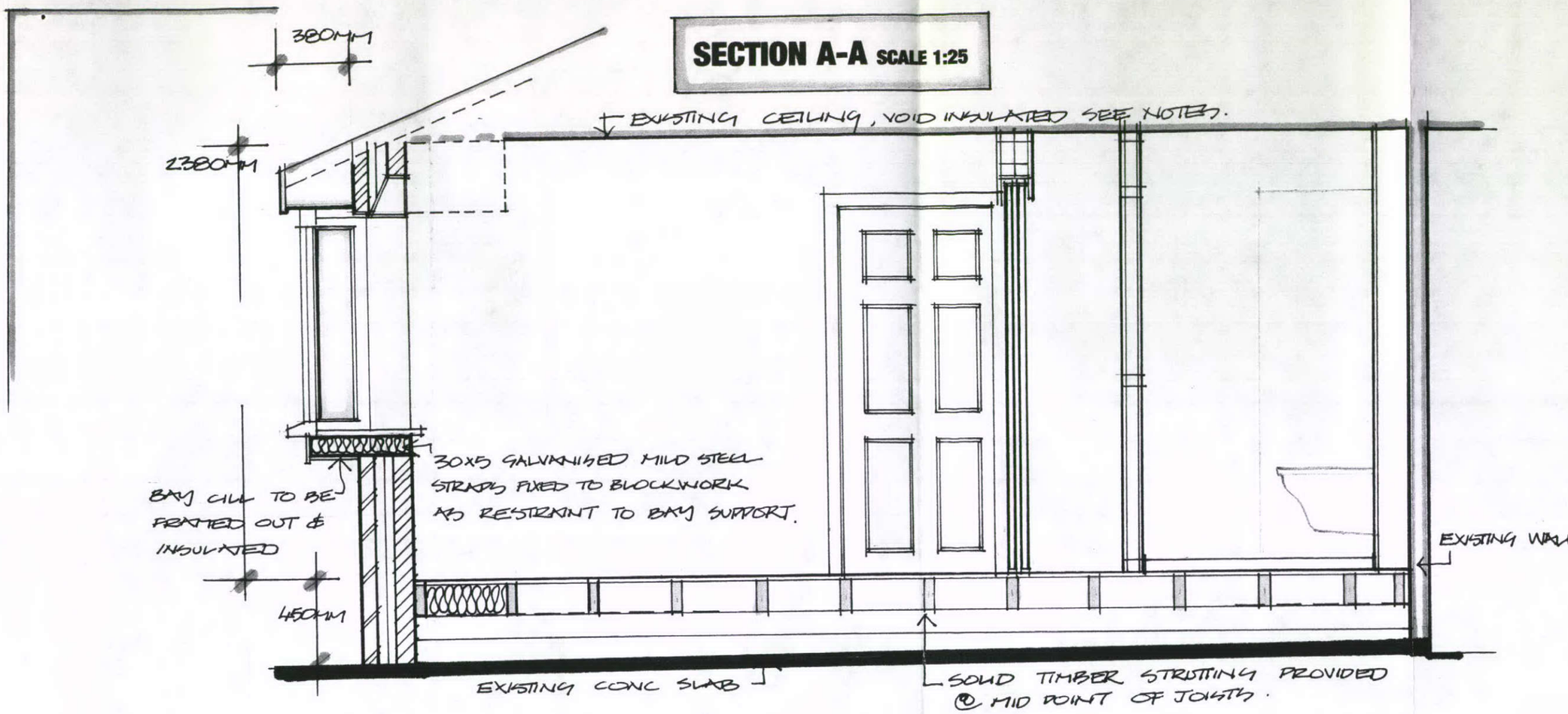
HPK/2011/0501

PROPOSED GARAGE CONVERSION INTO BEDROOM AND EN-SUITE BATHROOM:

7 SANDIWAY, SHIREBROOK PARK, GLOSSOP, DERBYSHIRE SK13 8SS

SECTION A-A SCALE 1:25



HIGH PEAK BOROUGH COUNCIL
GLOSSOP SITE
RECEIVED
1 SEP 2011

WALL CONSTRUCTION:
Facing brickwork to match existing with100mm cavity with 50mm Kingspan TW50. Inner leaf 100mm thermalite blocks with 12.5mm plasterboard dott and dabbed including skim. To achieve a U Value of 0.28 W/m2/k

New brickwork/blockwork to be toothed to existing with 5 No stainless steel tie wires per meter squared

All openings to be closed with thermabate cavity closers. All internal lintels to be IG as specified, installed in accordance with manufactures instruction with a minimum of 150mm bearing

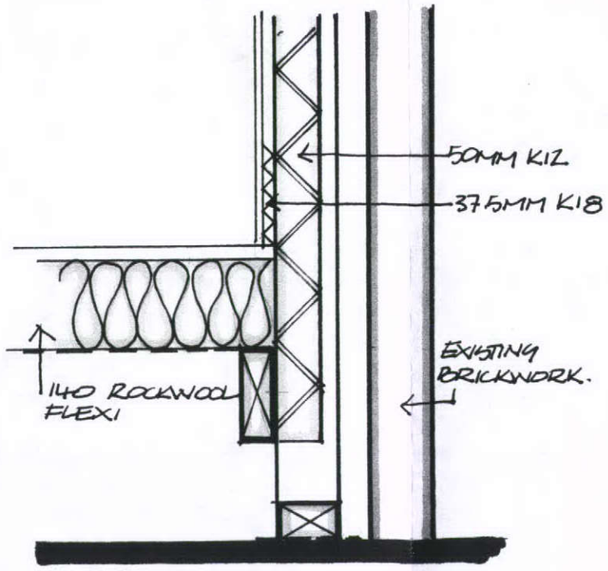
NEW TIMBER EXTERNAL WALLS.
Minimum 25mm air space (variable to allow for any obstructions or discrepancies in existing structure but a minimum of 25mm to be maintained), wall formed with 75x50mm treated timber with 50mm Kingspan kooltherm K12 framing board between timbers with Kingspan Kooltherm K18 insulated plasterboard fixed to timbers to manufactures specification. With 3mm plaster skim to finish.
To achieve a U Value of 0.28 W/m2k

Wall to store as above but with 12.5 mm moisture resistant board to bathroom side of wall.

Wall to wardrobe to be formed in 75x50mm studs faced both sided with 12.5 mm plasterboard and skim with insulation

FLOOR CONSTRUCTION:
18mm T & G plywood on 150x50 C16 Joists @ 450mm centres with 140mm Rockwool flexi thermal insulation between joists supported on netting to manufactures specification to achieve a U Value 0.25 W/m2k

UNDER FLOOR VENTILATION:
Ventilated air space measuring at least 75mm from the ground covering to the underside of any wall plates and at least 150mm to the underside of the suspended timber floor (or insulation if provided). Two opposing external walls should have ventilation openings placed so that the ventilating air will have a free path between opposite sides and to all parts. The openings should be not less than either 1500mm²/m run of external wall or 500mm²/m² of floor area, whichever gives the greater opening area. Any pipes needed to carry ventilating air should have a diameter of at least 100mm. Ventilation openings should incorporate suitable grilles which prevent the entry of vermin to the subfloor but do not resist the air flow unduly. If floor levels need to be nearer to the ground to provide level access sub-floor ventilation can be provided through offset (periscope) ventilators.



DETAIL 1 SCALE 1:10

5 DRWG