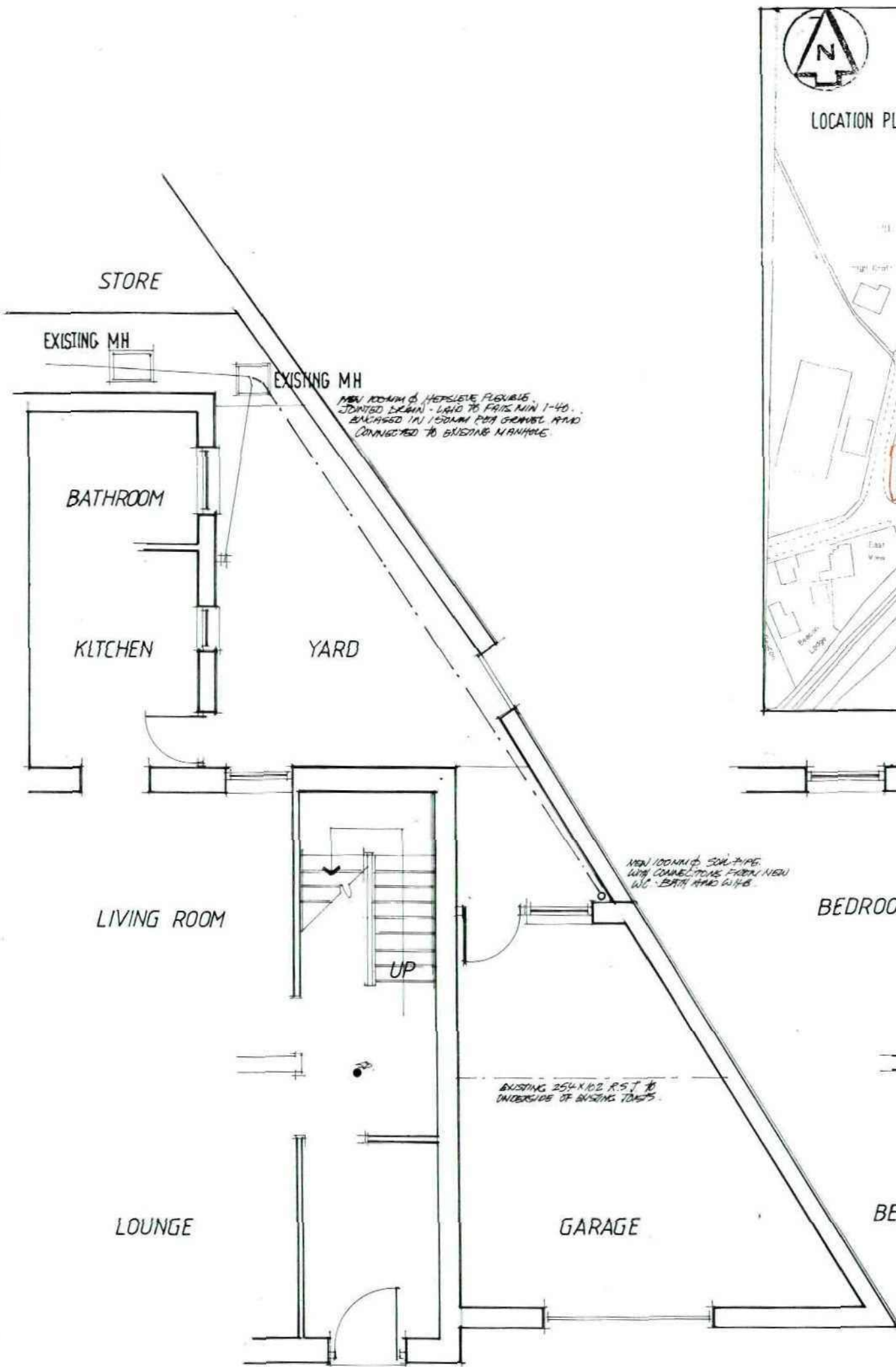
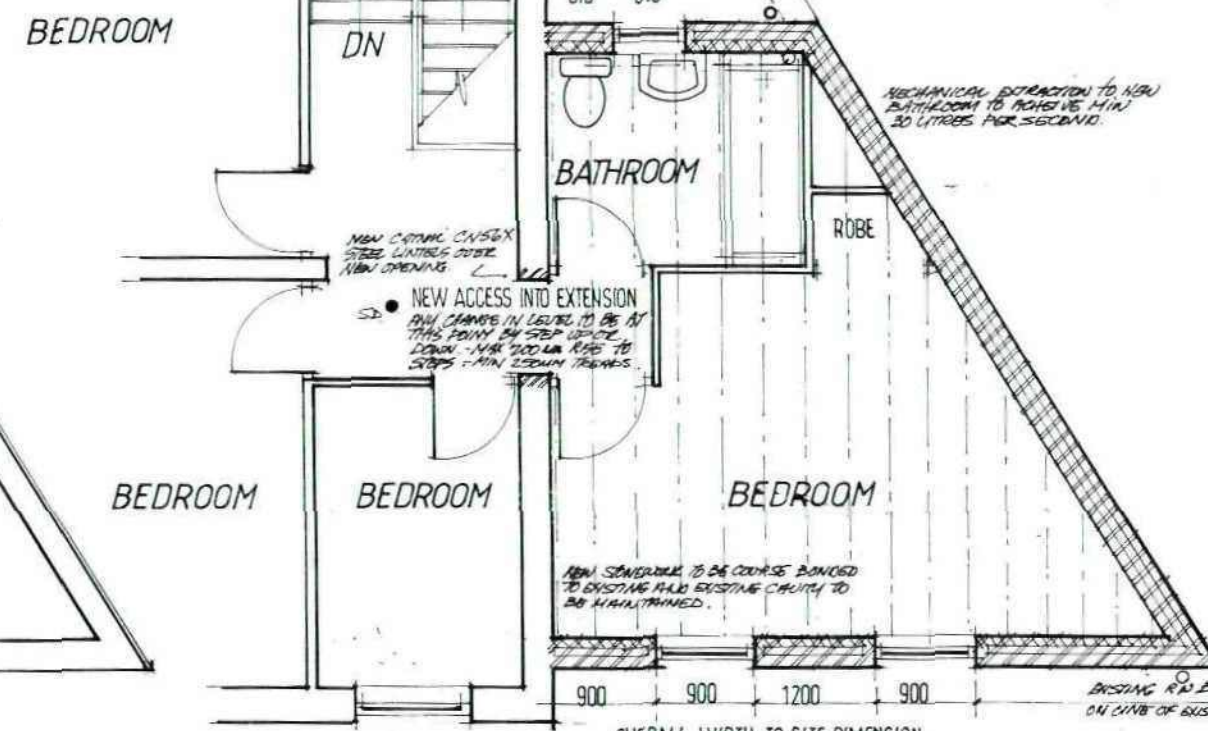
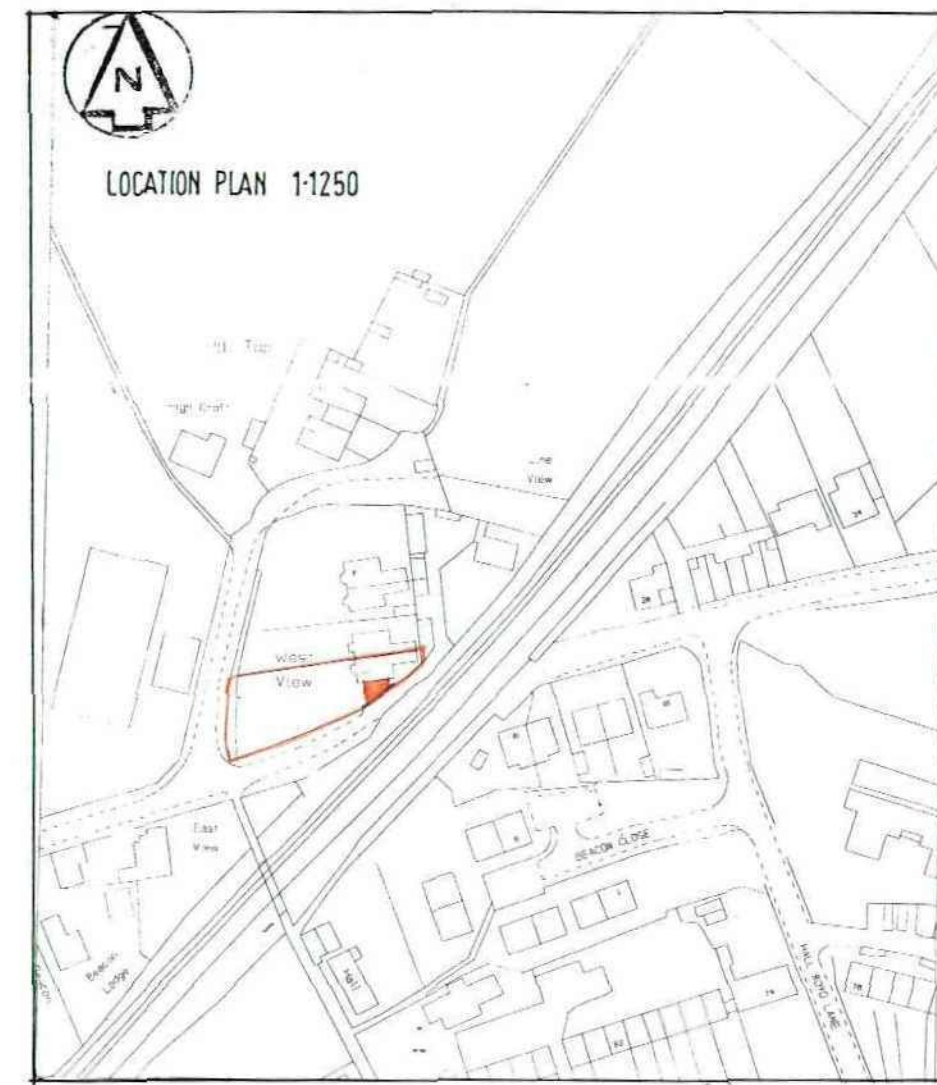
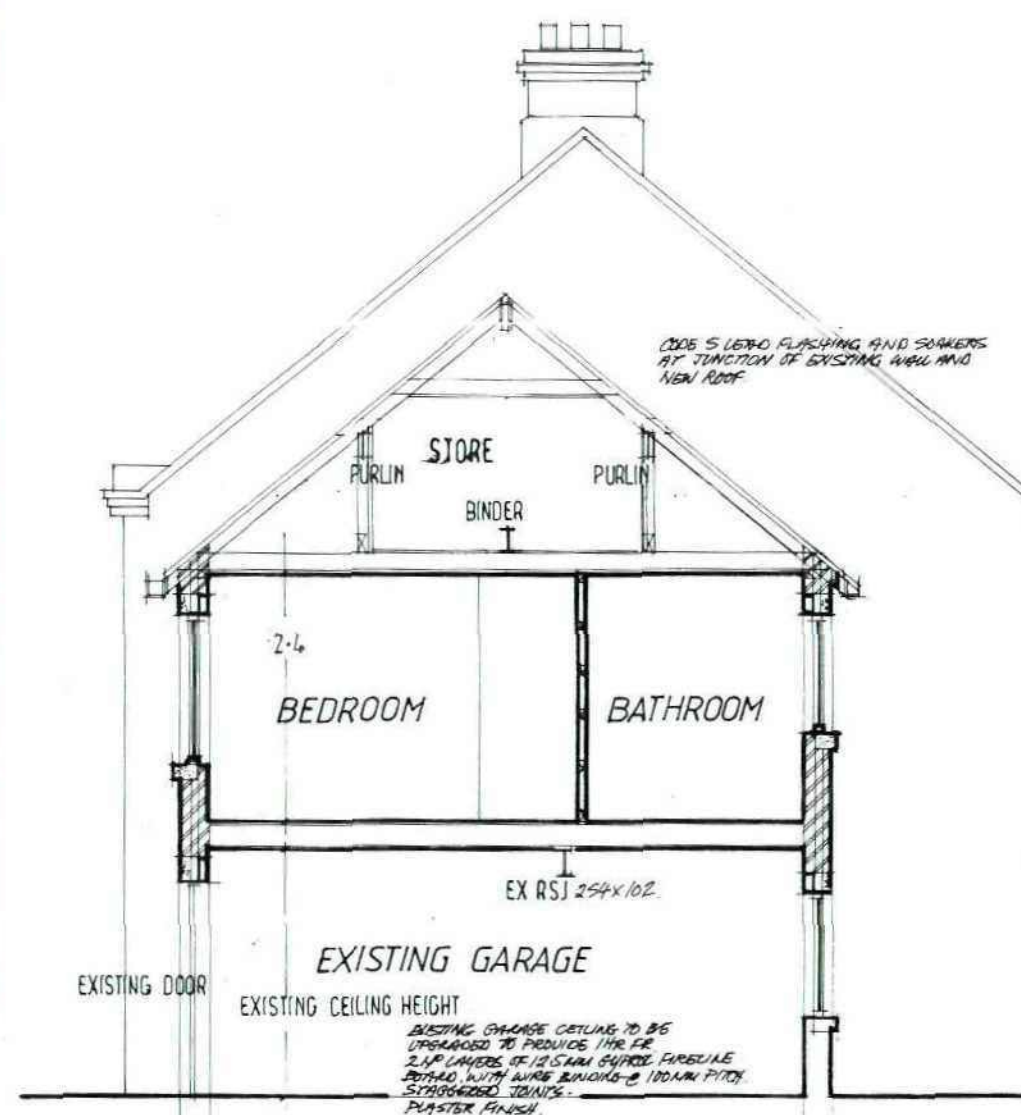




GROUND FLOOR PLAN



FIRST FLOOR PROPOSED



SECTION

EXISTING SIDE ELEVATION

EXISTING REAR ELEVATION

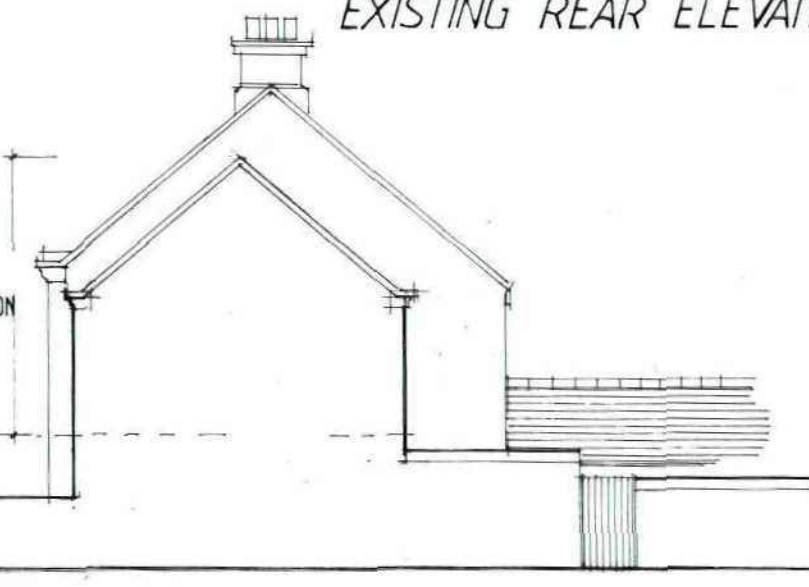
EXISTING FRONT ELEVATION



PROPOSED REAR ELEVATION



PROPOSED FRONT ELEVATION



PROPOSED SIDE ELEVATION

CALCULATION FOR SP
SPAN 4.8 LONGEST. 3.9 SHORTEST

LOADING - ROOF
4.8m x 1.75kN/m² x 2.0 = 16.8kN
SELF WEIGHT = 4.8m x 0.3kN/m² = 1.44kN
TOTAL LOAD W = 18.24kN

M = WL² / 8 = 18.24 x 4.8² / 8 = 10.9kNm
T_{max} 203 x 102 x 25.33kN RST
2.25 x 10 = 22.5kN

WALL
Z_{max} = M / W = 10.9 / 0.48 = 22.7m

WALL CONSTRUCTION
NEW CHIMNEY WALL BUILT UP OFF EXISTING 300mm CHIMNEY WALL.
100mm NATURAL COARSE STONE OUTER LEAF TO MATCH EXISTING WALL TO BE COARSE BOND TO EXISTING. AND EXISTING CHIMNEY TO BE MAINTAINED.
100mm CHIMNEY WITH 50mm KINGS PAN K'S CHIMNEY INSULATION BOARD. 100mm THERMALITE (INNER SKIN WITH 50mm KINGS PAN INSULATION THERMALITE) - PLASTER FINISH. ALL TO ACHIEVE MAX U VALUE OF 0.20 W/M² K.
STAINLESS STEEL DOUBLE GLAZED TIGHTENING TIES 5 PER M² AND 50mm COARSE CP REBAR'S.
VERTICAL JOINTS TO ALL JOINTS.
STANDARD CAVING COARSE INSULATED STEEL LINTELS OVER OPENINGS WITH NATURAL STONE OTHER LINTELS AND CHIPS.

ROOF CONSTRUCTION
VENTILATED FLUKE PILES AND CONTINUOUS EAVES DRAINAGE NEW KINGS PAN ROOF SURF ALL TO MATCH EXISTING - ON REINFORCED TANGLED ROOFING BATTENS TO SUIT - ON REINFORCED ROOFING FEET TO BS 747 - LAPPED AND GUTTERS - ON 150 x 50 SPAN RIFTERS AND CEILING JOISTS 8 FROM C/S.
NEW 100mm STEEL PLAINS AND BARKER WITH 50mm KINGS PAN K'S CHIMNEY INSULATION BOARD. 100mm THERMALITE (INNER SKIN WITH 50mm KINGS PAN INSULATION THERMALITE) - PLASTER FINISH. ALL TO ACHIEVE MAX U VALUE OF 0.20 W/M² K.
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STANDARD CAVING COARSE INSULATED STEEL LINTELS OVER OPENINGS WITH NATURAL STONE OTHER LINTELS AND CHIPS.

NOTE
This drawing is for obtaining Planning permission and Building Regulations Approval only. The successful Building contractor is to carry out a Site Survey, including levels, before commencing works.
The builder is responsible for ensuring that all works to be carried out are to the requirements of the Building Regulations and the relevant current codes of practice to the satisfaction of the District Building Surveyor.

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100mm NATURAL COARSE STONE OUTER LEAF TO MATCH EXISTING WALL TO BE COARSE BOND TO EXISTING. AND EXISTING CHIMNEY TO BE MAINTAINED.
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GENERAL
ALL TIMBER USED TO BE MINIMUM STRENGTH GRADE SC4.
WINDOW AREA OF HABITABLE ROOM TO BE MIN 1/10th FLOOR AREA WITH VENTILATED OPENINGS MIN 1/20th FLOOR AREA.
FLOOR VENTILATION 800mm².
BEDROOM 10 WINDOWS TO INCORPORATE AN ESCAPE WINDOW MIN 850 x 550mm.
ALL GLAZING TO COMPLY WITH NEW APPROVED DOCUMENT PART 1 USING ALKALINE EARTH GLAZES WITH LOW E SOFT COATING AND 100% GLAZING.
ALL WINDOWS TO BE SAFETY GLAZING TO BS 6206.
SMOKE ALARMS/DETECTORS TO BE PROVIDED TO GROUND FLOOR AND FIRST FLOOR LANDING - TO BE INTERLINKED AND WIRED BACK TO A SEPARATELY FUSED CIRCUIT ON THE CONSUMER UNIT.
ALL ELECTRICAL WORK TO COMPLY WITH APPROVED DOCUMENT P AND INSTALLED BY A COMPETENT DOMESTIC INSTALLER AND A COMPETITION CERTIFICATE TO BE PROVIDED UPON COMPLETION.
EXISTING HEATING INSTALLATION TO BE EXTENDED INTO THE EXTENSION WITH THERMOSTATICALLY CONTROLLED VALVES TO EACH ENDPOINT - ALL TO BE INSTALLED BY A SKI SAFE HEATINGER.

FLOOR CONSTRUCTION
22mm SAPHWOOD TO MATCH AND GROoved FLOOR BOARDS ON NEW 200 x 50 G/L FLOOR JOISTS 8 FROM C/S. FLOORING IN BETWEEN EXISTING FLY ROOF JOISTS TO RECEIVE LEVEL FLOOR 200mm THICK INSULATION 0.10 KJ M².
GARAGE CEILING UPGRADED TO ACHIEVE 118kPa.

FIRST FLOOR BEDROOM EXTENSION AT
1 WEST VIEW
SILKSTONE COMMON
BARNSELEY
S75 4 0F
FOR MR D. MATHEWMAN

SCALE 1:100 1:50
DATE SEPT 2012 2012:25:01
DRAWN HARRIS

Millé design

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