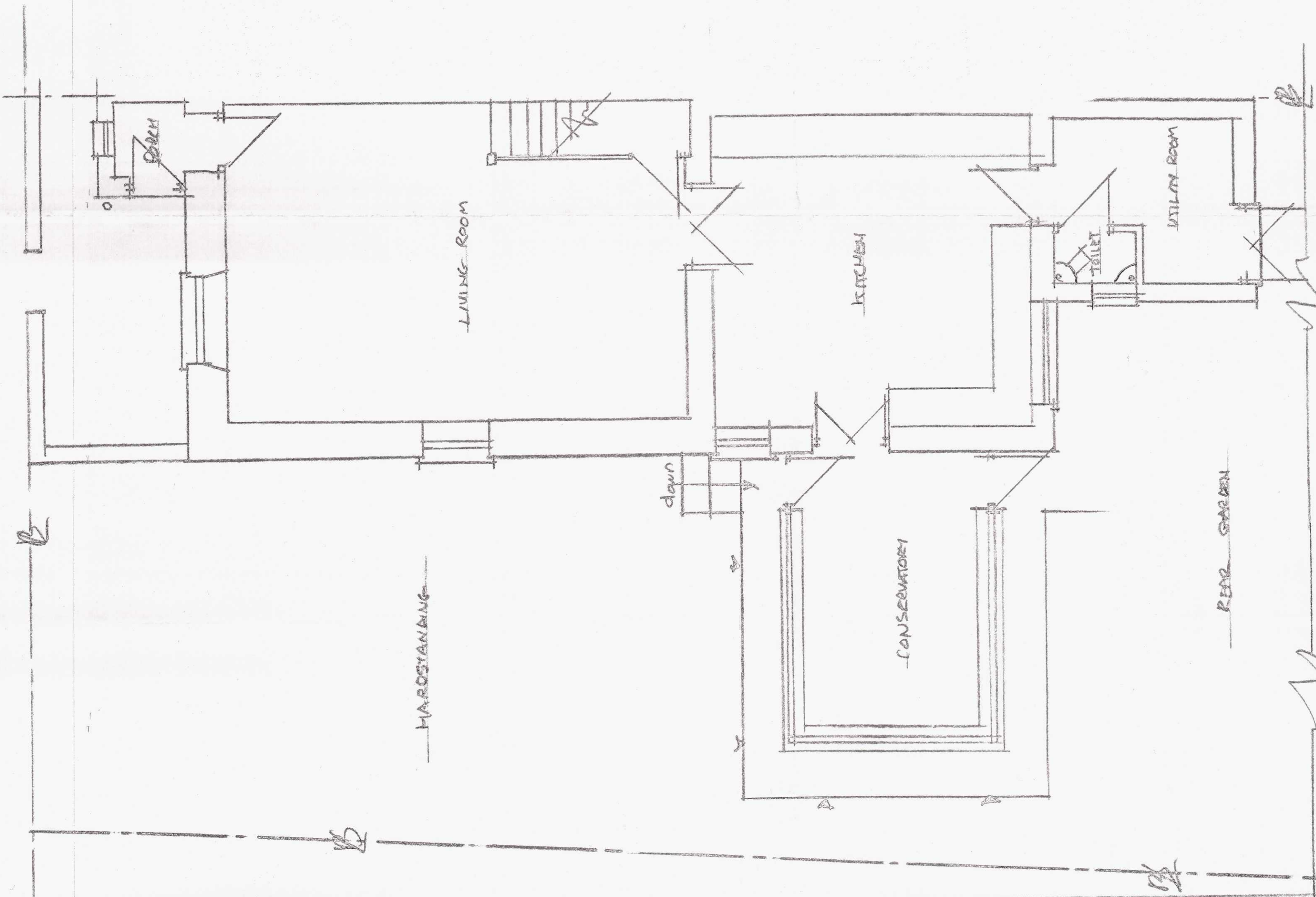
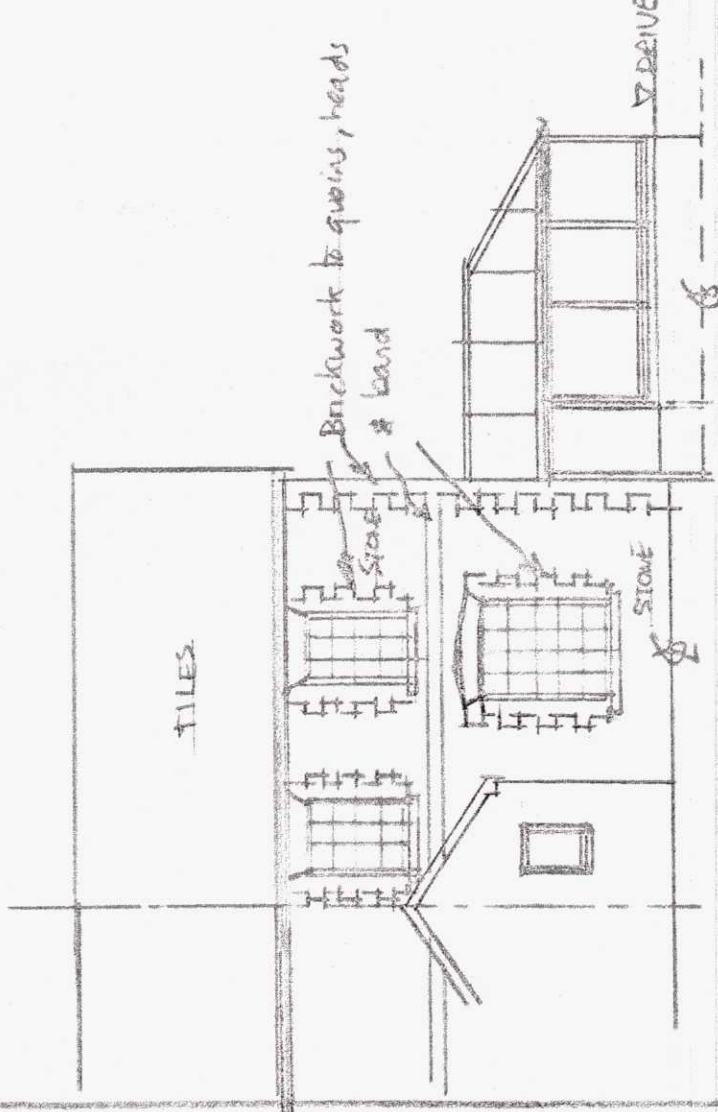


REAR GARDEN

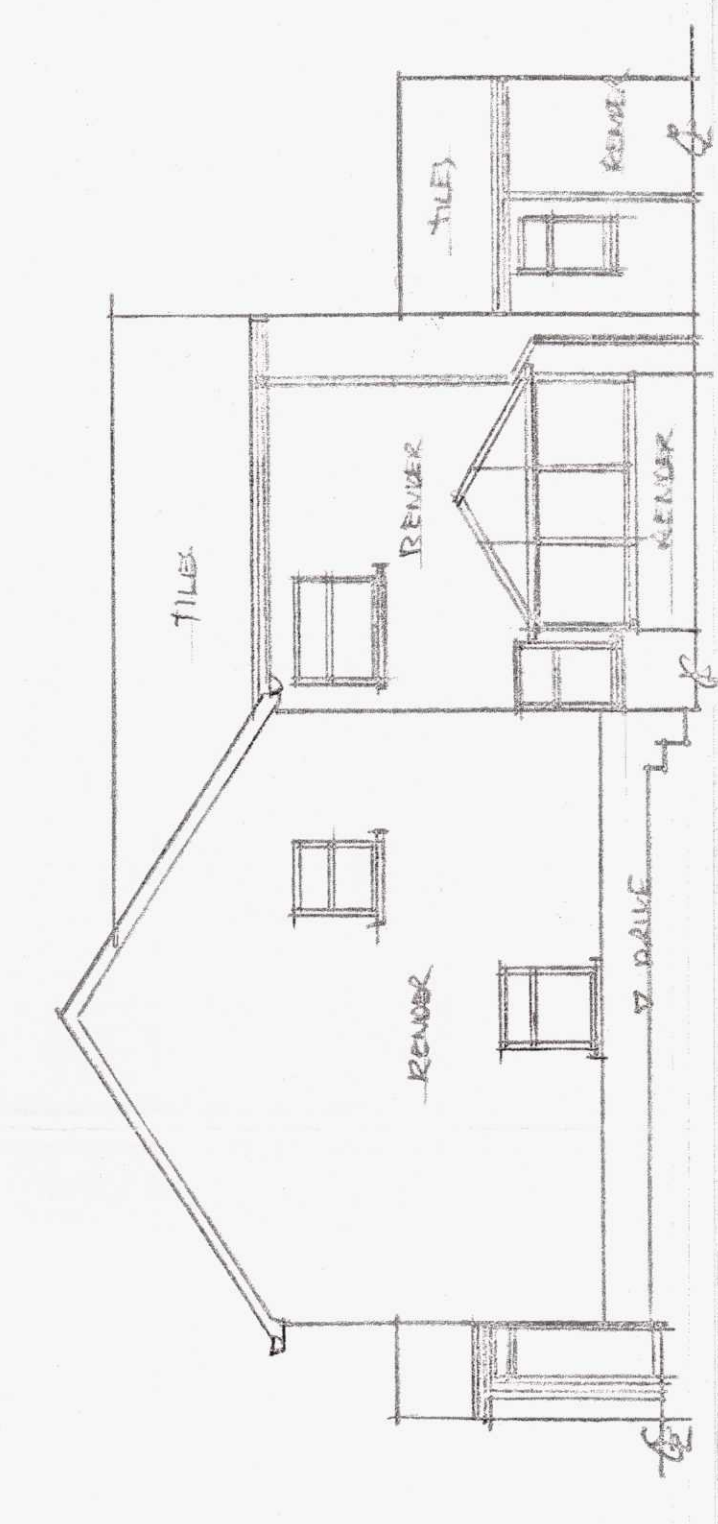
PAVEMENT



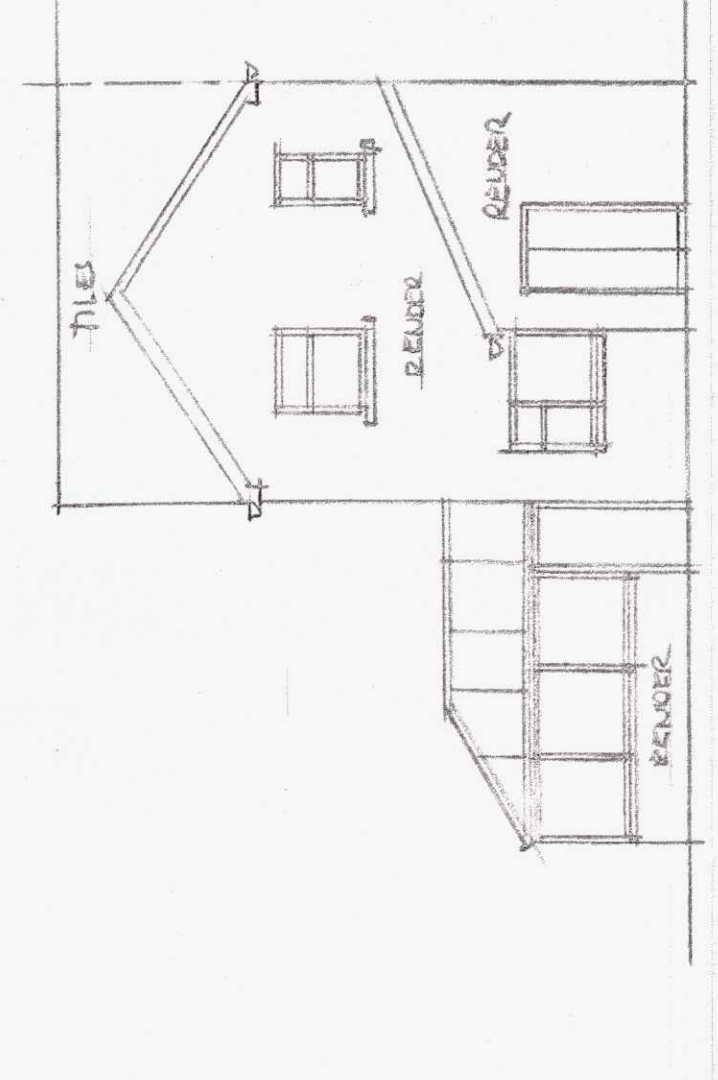
EXISTING GROUND FLOOR PLAN



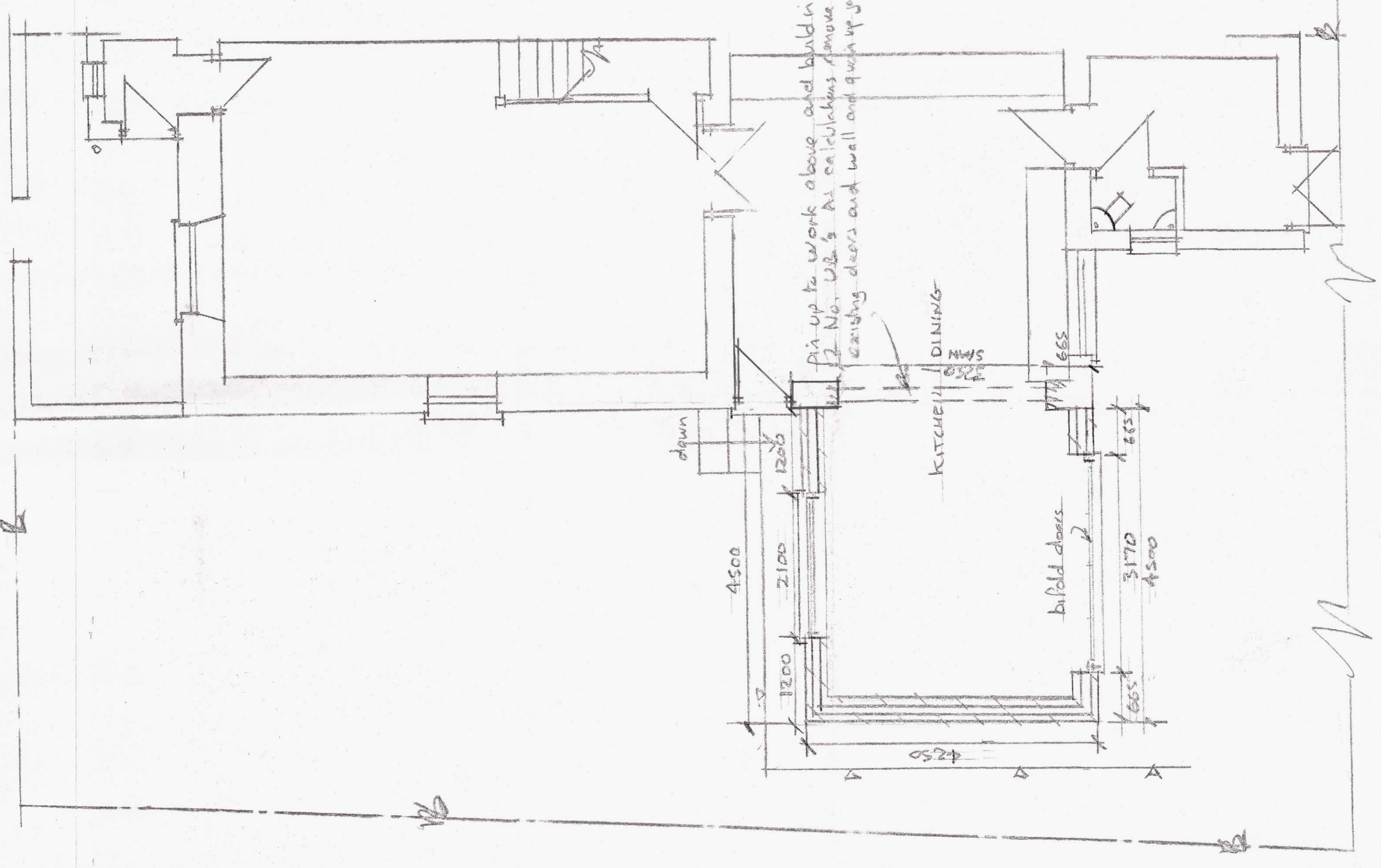
EXISTING FRONT ELEVATION



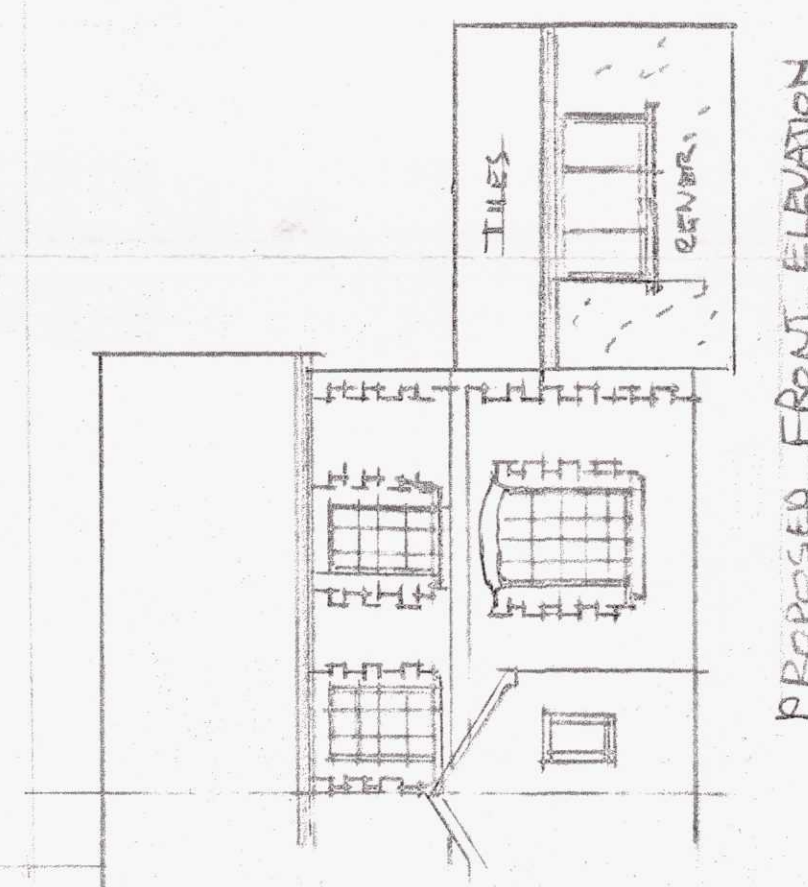
EXISTING SIDE ELEVATION



EXISTING REAR ELEVATION



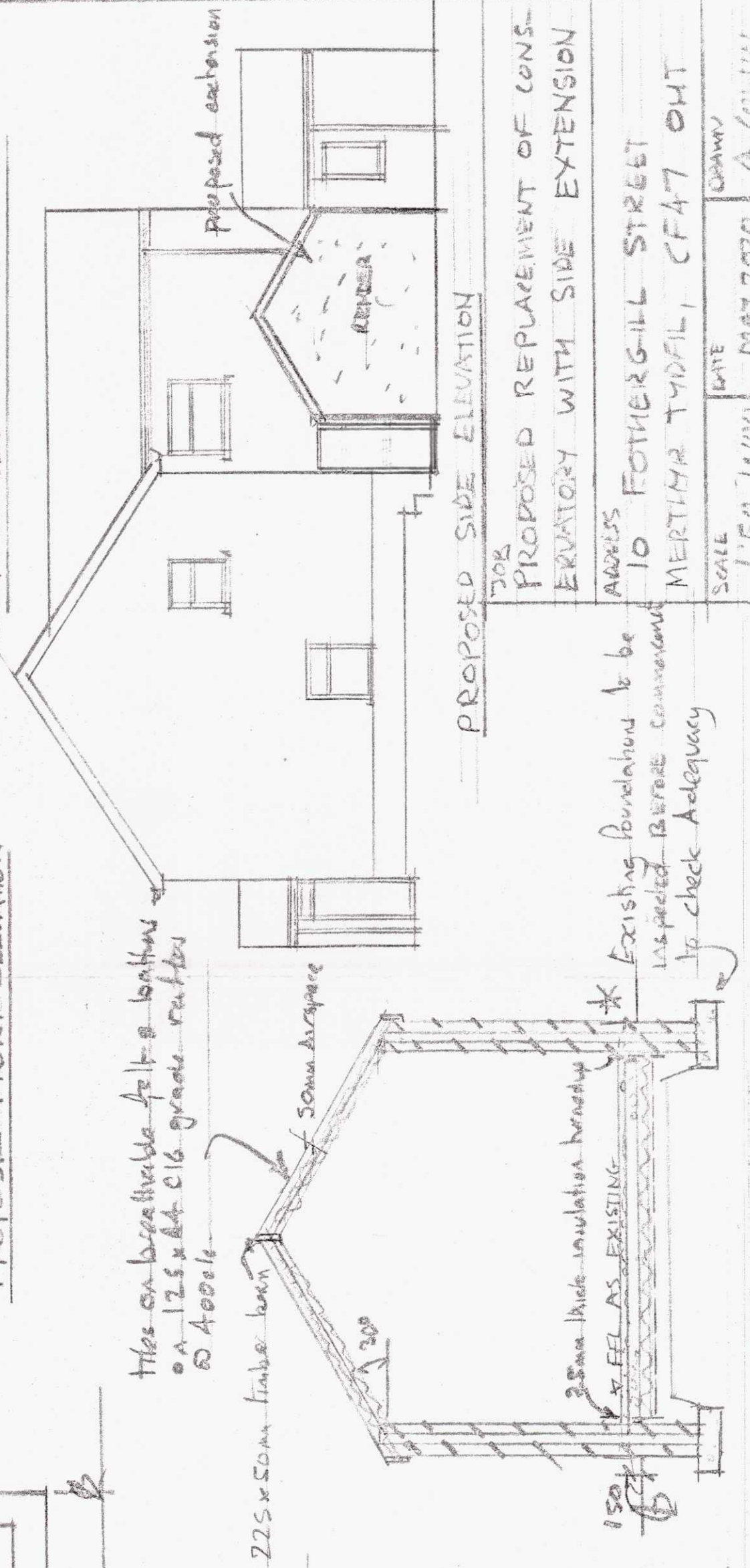
PROPOSED GROUND FLOOR PLAN



PROPOSED FRONT ELEVATION



PROPOSED REAR ELEVATION



PROPOSED SIDE ELEVATION

JOB	PROPOSED REPLACEMENT OF CONSERVATORY WITH SIDE EXTENSION
ADDRESS	10 FOTHERGILL STREET MERTHER TYDILI, CF47 0HT
SCALE	1:50, 1:100
DATE	MAY 2020
DRAWN	A. GILLIN

TYPICAL SECTION

SPECIFICATION

1. Take down and remove existing conservatory to foundation level, building to control other to inspect existing foundations to check adequacy. Existing foundations to be extended to 650 wide x 225 deep at level as existing grade 25 concrete strip to external walls to be 325mm wide cavity formed with 2 skins 100mm concrete blockwork with 125mm wide formed cavity. Maintain 50mm clear cavity and provide 75mm thick celotex insulation to inner skin to be held in position by retaining clips on wall ties. Build in horizontal clips and tie into existing walls using 3.6.18 steel fixings, close cavities all around at top with slate.
2. External walls to be 325mm wide cavity formed with 2 skins 100mm concrete blockwork with 125mm wide formed cavity. Maintain 50mm clear cavity and provide 75mm thick celotex insulation to inner skin to be held in position by retaining clips on wall ties. Build in horizontal clips and tie into existing walls using 3.6.18 steel fixings, close cavities all around at top with slate.
3. Form new window opening with cavity 'open back' type lintel, build in horizontal and vertical clips and install new pre-cast sill. Form open for new bifold doors to rear as elevations. Provide and install double glazed upe windowed bifold doors to have U value 1.6 window or less with window to have min vent area = 1/6th floor area with 2500mm² bifold vent fitted to head.
4. Form roof with tiles to match existing on breathable felt and treated battens on 125x44 C16 grade rafters @ 400 head to 225x50 s.w. ridge beam and to s.w. wall plates both sides in turn strapped to inner skin @ 750c/c. Maintain 50mm clear cavity under felt and provide 75mm thick Celotex G4000 between rafters with Celotex PL4060 (60+12.5mm) 62.5mm insulated pilled to Uls of rafters U value 0.18 but not.
5. Provide code 4 lead flashing with cavity trays behind at roof junctions to eady walls.
6. Pin up to work above and build in 2 No. U.S.'s as calculations to form opening to kitchen.
7. Excavate as necessary within perimeter walls and form new floor with 50mm thick concrete sand screed on 100mm thick grade 20 concrete slab on 70mm thick Celotex G4000 floor insulation on 1200g P.P.M. on sand blunder hardcore 150 thick well consolidated.
8. Turn up 25mm thick insulation around perimeter of slab to prevent cold bridging.
9. Check adequacy of combi-boiler and extend heating system to new extension.
10. Carry out all new electrical installations in accordance with Part P electrical safety.
11. Provide safety glazing to all critical locations.
12. Provide and install 60 liter/sec mechanical vent to kitchen.
13. Provide and install heat detector to kitchen.