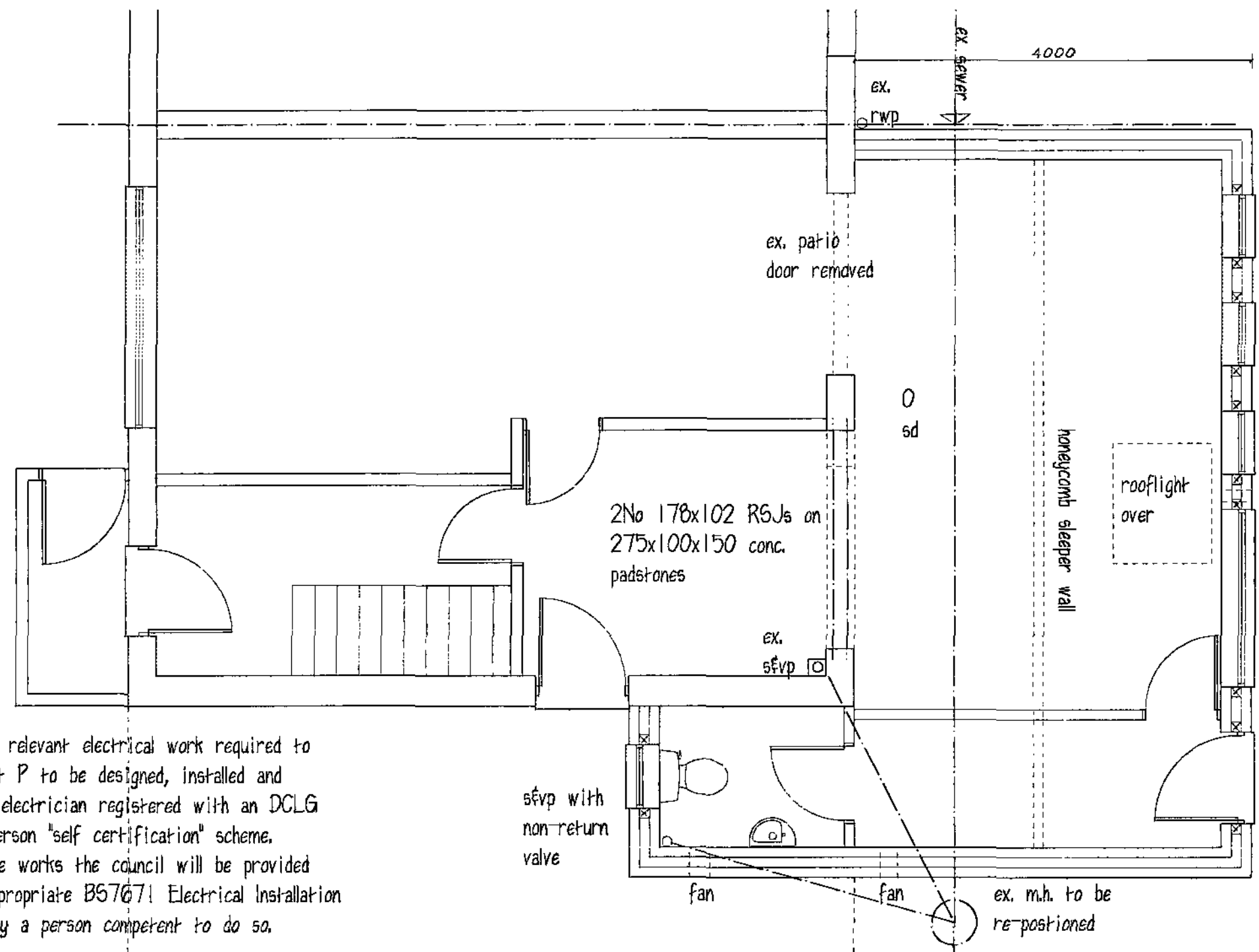




ELECTRICAL

all domestic and other relevant electrical work required to meet the B Regs Part P to be designed, installed and tested by a qualified electrician registered with an DCLG recognised competent person "self certification" scheme. Upon completion of the works the council will be provided with a copy of an appropriate BS7671 Electrical Installation Certification issued by a person competent to do so.

25% of lighting to be low energy light fittings in with sockets that can only be used with lamps having a luminous efficiency greater than 40 lumens per circuit-watt any external lights to have automatic cut-off at daylight & socket not capable of accepting screw or bayonet type bulb. all electrical work to be carried out under "Competent Person" scheme for design, installation, testing & certification, to comply with Part P of Building Regs. O denotes smoke detectors wired directly to mains sd & self contained to BS 5446 part 1 All sockets & switches to be between 450mm & 1200mm high

WALL CONSTRUCTION

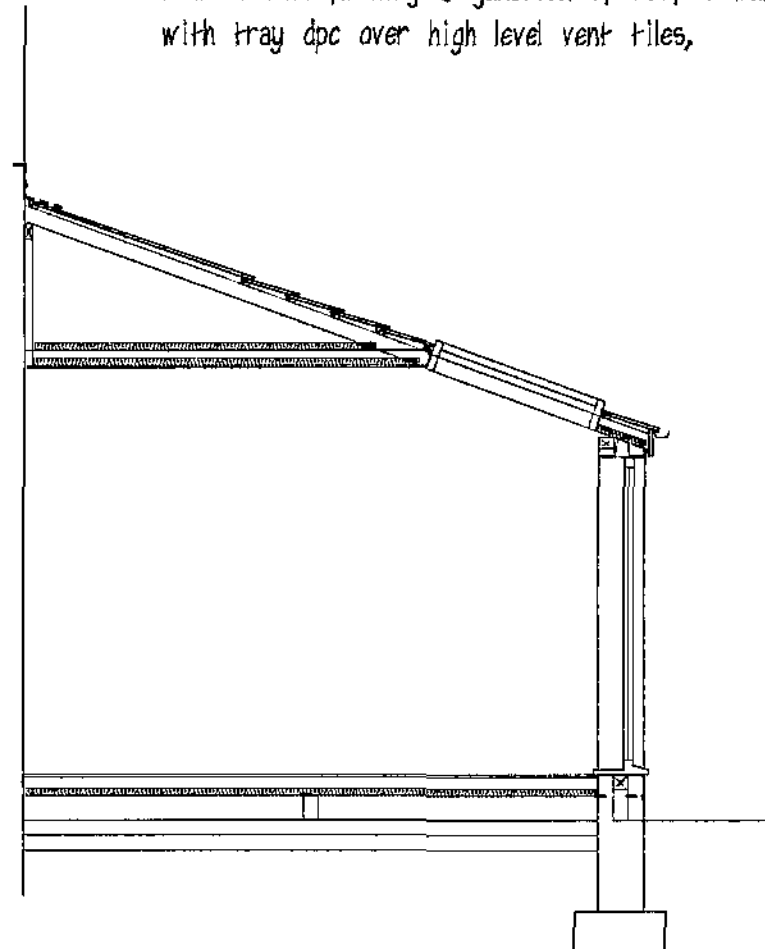
walls to be 103mm brickwork, with 100mm cavity, filled with 100mm Rockwool fullfill cavity insulation batts, with 100mm Thermalite block o.e.a.(0.15w/mk) with p/b on dabs, plaster skim finish, 250mm s.butterfly wall ties @ 450mm c/c vertically & 750mm c/c horizontally, staggered with ties @ every block course @ reveals, cavity closed @ openings & eaves with dpc & insulation.

Catnic CGH90/100 type lintels to be used over door & window openings with tray dpc over. dpc to wall to be min. 150mm above g.l. cavity taken down 150mm below g.l. the cavity wall insulation must be taken down below damp course level, finishing at same level as the underside of the floor slab insulation. the cavity insulation & roof insulation must meet at the top of the wall. (detail used must also allow ventilation to be maintained if appropriate) cavity wall insulation must be carried up the full extent of walls. all cavity closures must be insulated, new wall block bonded into ex. with cavity continuous.

dividing wall to be 100x50sw studding with 80mm kingspan kooltherm K12 framing board in between & p/b & skim both sides d.p.c. min. 150mm above g.l. 225x150 airgrates @ 1.8m c/c boxed thro cavity, with tray d.p.c. over

existing carport roof to be removed & replaced with lean-to roof as per extension, supported on existing steelwork posts.

code 4 lead flashing @ junction of roof & wall with tray dpc over high level vent tiles,



All windows to be double glazed with 20mm air gap & Pilkington K low E coating, to give min. 1.80W/m2K U value. & 8000mm sq background ventilation opening lights to equal 1/20th floor area min. 850x500, safety glazing to doors, side panels & glazing below 800mm from fl. floor to opening part of window to be between 800mm & 1100mm

ROOF CONSTRUCTION

Roof to be glazed conservatory type roof eaves with 10mm gap to soffit, covered with flyproof mesh, full length of all eaves, 175x25 sw fascia board, 10mm ply soffit board, 100mm dia. pvc guttering, discharging into 65mm dia. pvc RWP. code 4 lead flashing @ junction of roof & existing wall, with tray dpc over

MECHANICAL VENTILATION

Kitchen to have mechanical extractor fans, ducted to external air to give 60 l/sec air change, connected to lightswitch with 15min. overrun. w.c. to have 30 l/sec air change

DRAINAGE

All w.c.s to have 100mm dia. pvc S&VPs with birdproof mesh cage min. 900mm above any opening lights, 32mm dia. pvc waste from w.h.b.s 40mm dia. pvc waste from bath, sinks & showers, all with 75mm deep re-sealable traps, discharging into S&VP or b.i.g. Below ground drainage to be 100mm dia. flexible jointed pipes, bedded on & surrounded with 150mm pea gravel, where drains pass under building, pipes to be lintelled over with p.c.c. lintels, new drains to connect into existing m.h. All surface water to be discharge into soakaways, min. 5m from building & min. 1m3 clean hardcore to satisfaction of B.C.O. provide vent at or near head of drain run foul water to discharge into existing drain

ROOF CONSTRUCTION

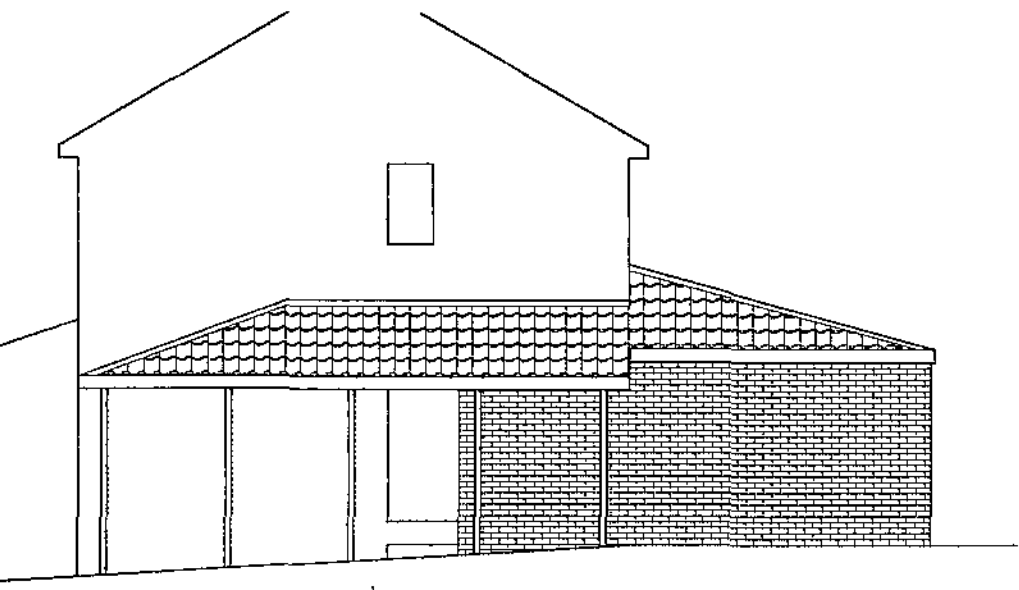
conc. interlocking tiles, to match existing, every tile to be nailed on 38x50 sw battens on untearable sarking felt to BS747 on 50x175 sw rafters at 400mm c/c fixed to 75x100 sw wallplate held down with 30x5m.s. galv.holding down straps a 1800mm c/cs, built into wall. 38x100 s.w. ceiling joists at 400mm c/c 250mm insulation quilt laid over & 12.5mm p/b & skim ceiling. fascia board & soffit to match existing with 12mm gap covered with flyproof mesh 100mm p.v.c. guttering discharging into 65mm Ø rwp discharging into soakaway min. 5m from building, min. 1m cu. clean hardcore. ceiling to have 12mm ply diaphragm.

GROUND FLOOR

18mm itg flooring grade 2/3 chipboard on 50x125sw floor joists @ 400mm c/c with 75mm Kingspan Thermafloor insulation laid in between min. 150mm air gap to 100mm oversite concrete on radon/methane barrier, continuous thro cavity. on 100mm min. well consolidated, sulphate free, hardcore. floor to line thro with existing

FOUNDATIONS

600x150 conc. strip footings min. 750mm deep or below drain invert 7KN fnd blocks up to gl. all excavations to satisfaction of B.C.O. with regards to suitability.



SIDE ELEVATION



REAR ELEVATION

O denotes smoke detectors to be interlinked on sd separate fused circuit, to BS 5446 part 1 All sockets & switches to be between 450mm & 1200mm high existing heating system, i.e. gas boiler with rads, to be extended into extension, rad to have t.r.v. fitted, pipework in unheated areas to be insulated. work to be carried out by Gas Safe installer with certificate on completion.

GENERAL NOTES

All existing dimensions, sizes, & drain inverts to be checked on site prior to commencement All work to comply with current B. Regs. & B.S.C.P. whether or not specified on dwg.

Ms D. LOCKWOOD

PROPOSED REAR EXTENSION
12 BARUGH GREEN
BARNSELEY

PLAN SECTION & ELEVATIONS

1:50, 1:100 DEC. 09 Rev A

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