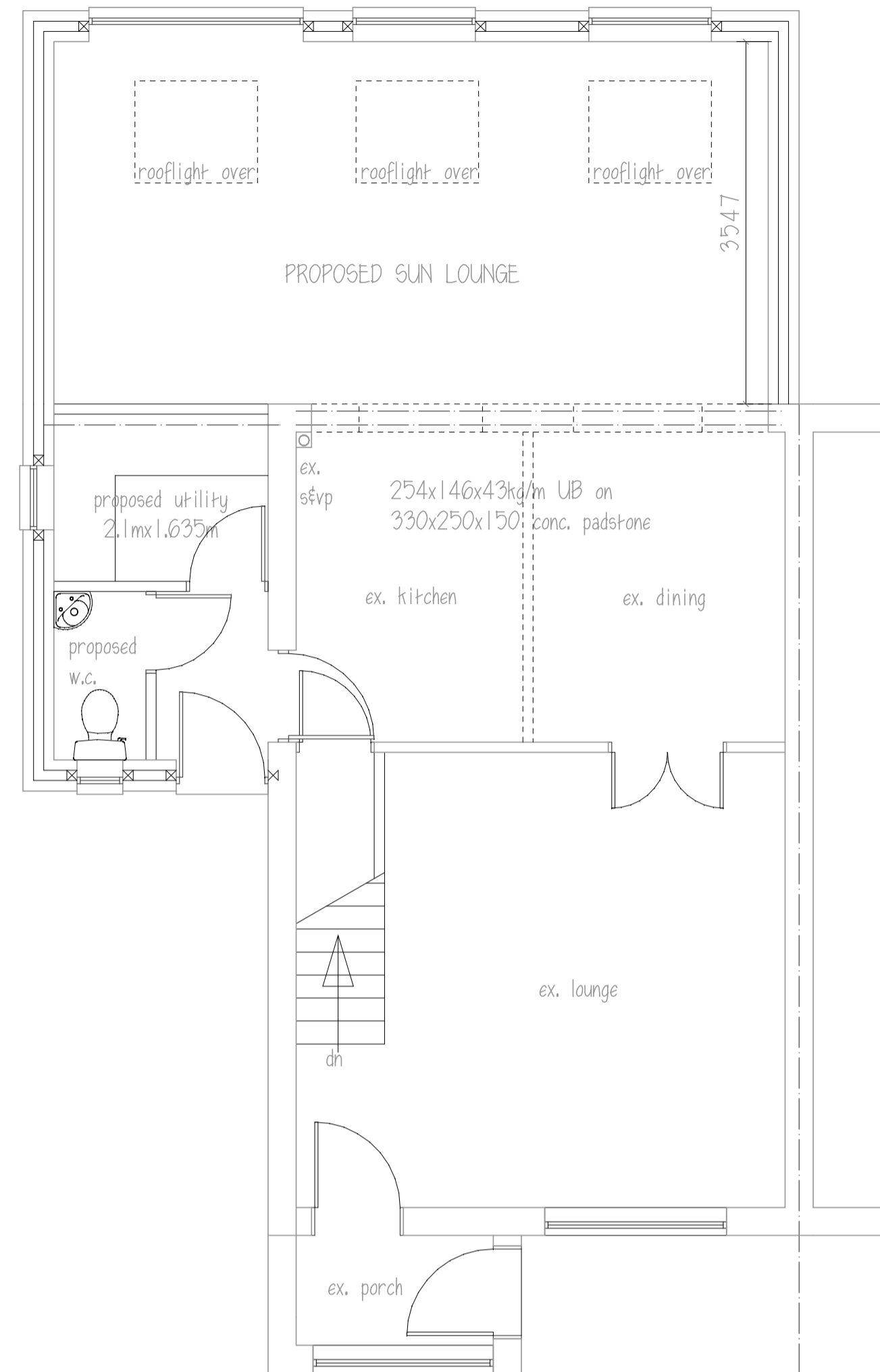


GROUND FLOOR



GROUND FLOOR

**DRAINAGE**

wc to have 100mm dia. pvc S&VP,s with birdproof mesh cage min. 900mm above any opening lights, 32mm dia. pvc waste from whb 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 mh. All surface water to be discharge into soakaways, min. 5m from building & min. 1m<sup>3</sup> clean hardcore to satisfaction of B.C.O.

**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 ss vertical twist wall ties @ 450mm c/c vertically & 750mm c/c horizontally, staggered with ties @ every block course @ reveals, cavity closed @ openings & eaves with dpc & insulation. Carnic CGH90/100 type lintels to be used over door & window openings with tray dpc over. dpc to wall to be min. 150mm above gl. cavity taken down 150mm below gl. the cavity wall insulation must be taken down below damp course level, 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. internal wall to be 100x50sw studding with 100mm insulation to 10kg/m<sup>3</sup> in between & p/b & skim both sides 150x225 airbrakes at 1.8m c/cs, boxed thro cavity with tray dpc over.

dividing wall between utility/garage to be 100mm Celcon Solar with 60mm gyproc p/b with insulation & skim.

**MECHANICAL VENTILATION**

wc & utility to have mechanical extractor fans, ducted to external air to give 15 l/sec air change, connected to light-switch with 15min. overrun. Kitchen to have 60 l/sec air change,

O denotes smoke detectors all to be interlinked on sd seperate fused circuit, to BS 5446 part 1 with battery backup  
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 Save installer with certificate on completion.

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.

**SLOPING ROOF**

sloping roof to be insulated with 100mm K7 Kingspan insulation boards, laid between rafters, 37.5mm Kooltherm under rafters, with 12.5mm foillbacked p/b & skim, min. 50mm air gap between insulation & roof tiles, cross ventilation to be maintained with high level vent tiles, 25mm proprietary eaves vents fitted to eaves. roof to be clad in 9.5mm plywood screwed to rafters

**ROOF CONSTRUCTION**

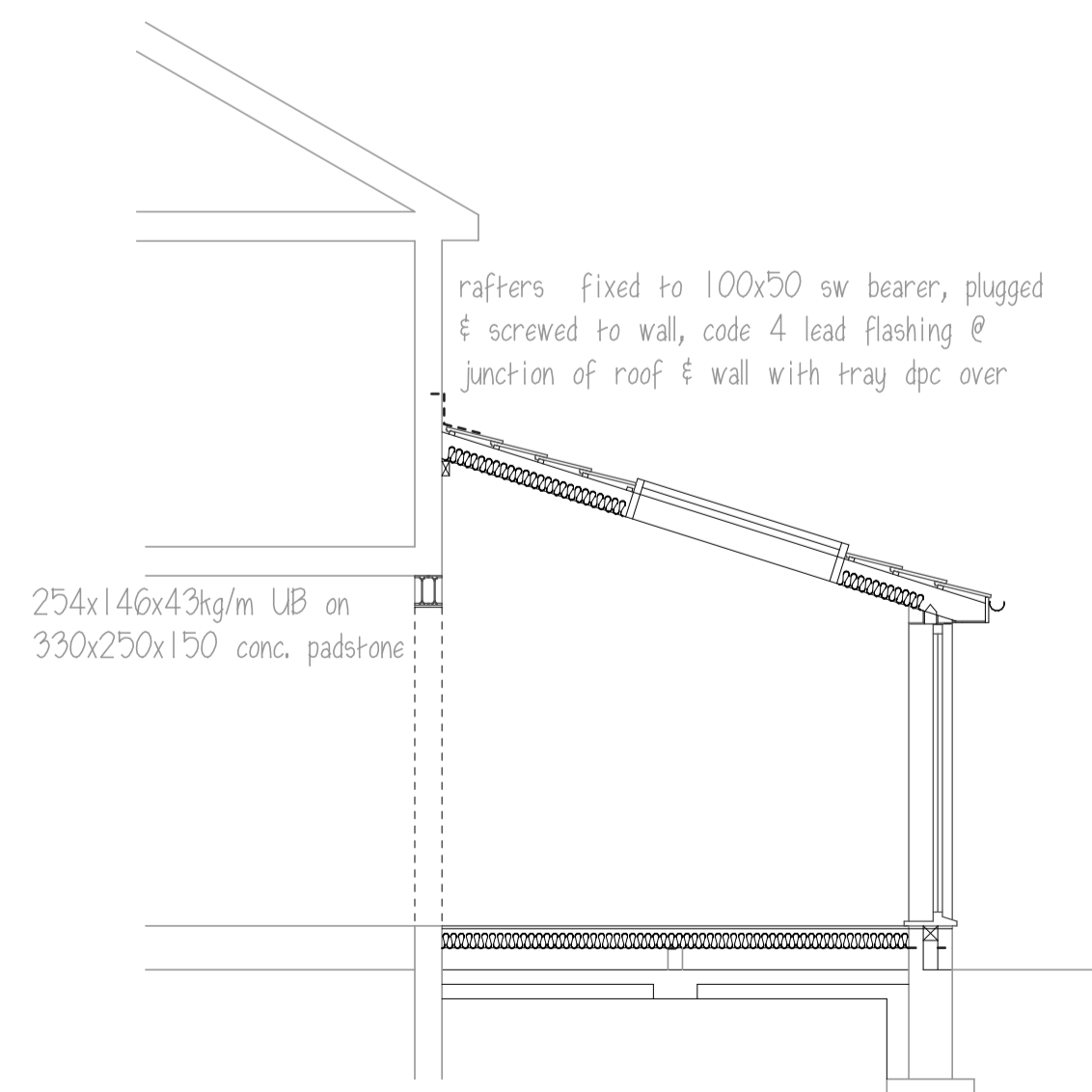
conc. interlocking tiles, to match existing, with 100mm headlap, every tile to be nailed on 36x50 sw battens on untearable sarking felt to BS747 on 50x150 sw rafters at pitch to match adj. extension @ 450mm c/cs fixed to 75x100 sw wallplate held down with 30x5ms. galv.holding down strapps at 1800mm c/cs, built into wall. at all gable walls, 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. rafters to be doubled up either side of rooflights and trimmed with same.

**GROUND FLOOR**

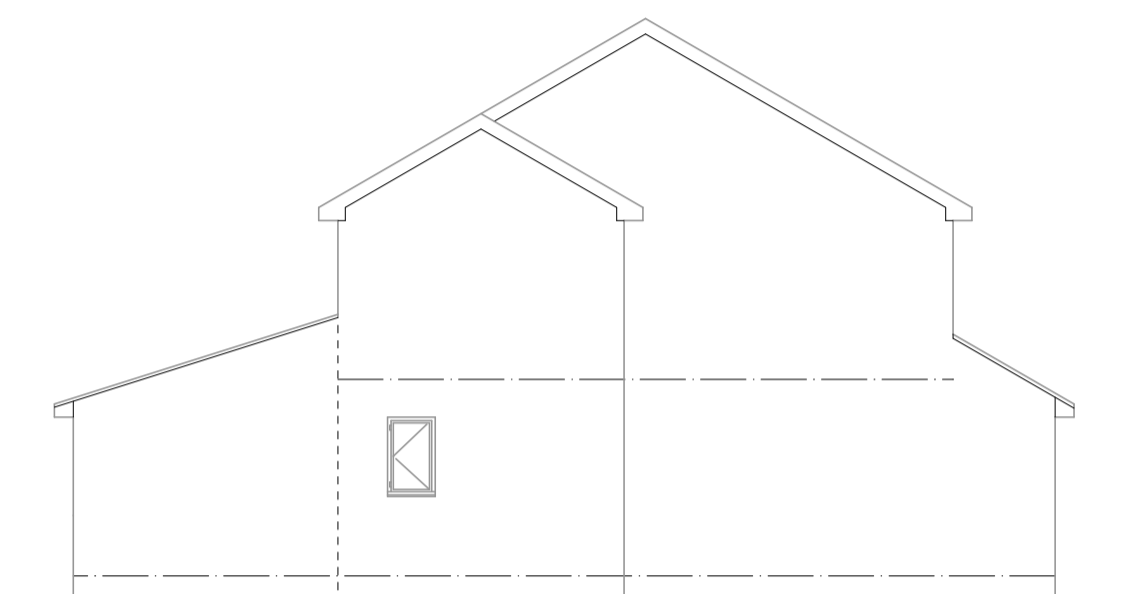
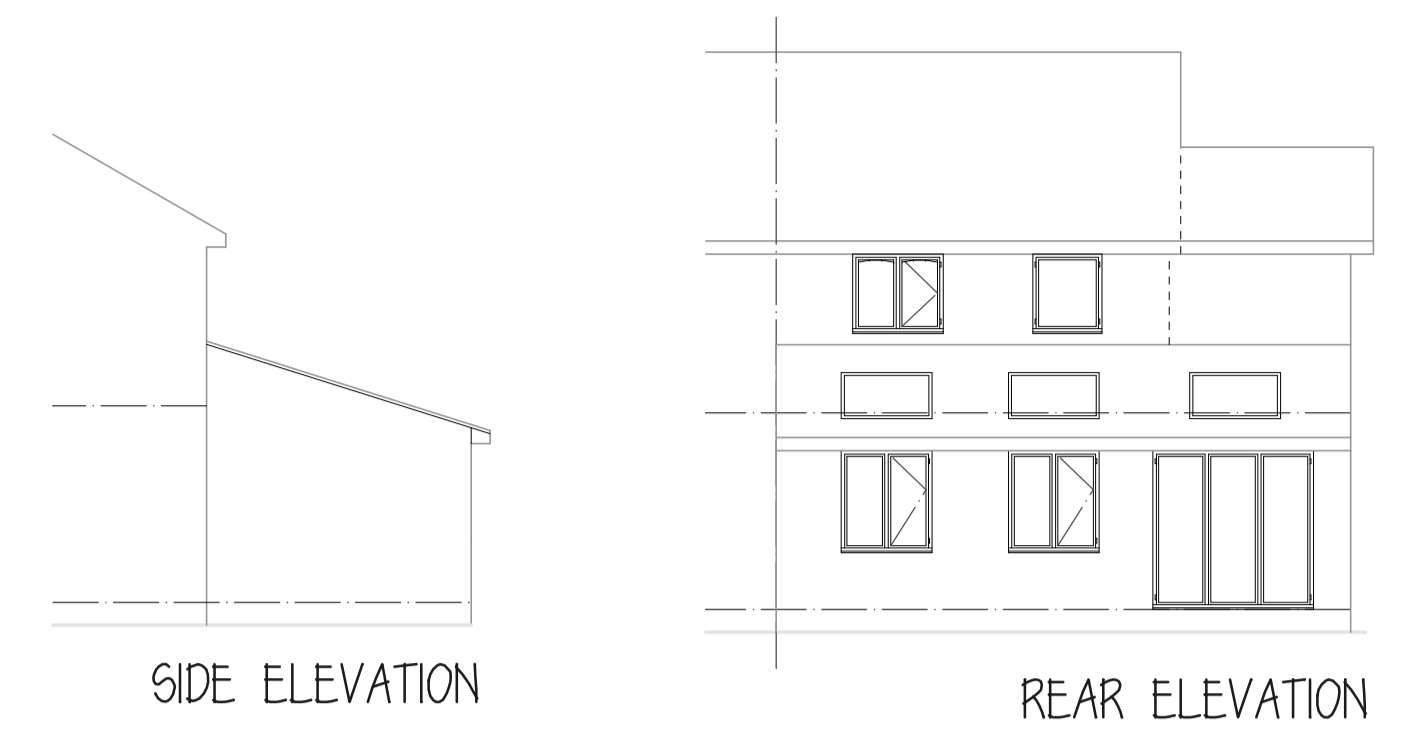
18mm t&g flooring grade 2/3 moisture resistant chipboard on 50x125sw floor joists @ 400mm c/cs, doubled up under stud wall, with 120mm Gelotex insulation laid in between min. 150mm air gap to 100mm oversite concrete on 2000g visqueen radon/methane barrier, continuous & lapped thro cavity wall, with tray dpc over on 100mm min. well consolidated, sulphate free, hardcore, floor to line thro with existing

**FOUNDATIONS**

600x300 conc. strip footings min. 900mm deep or below drain invert 7KN fnd blocks up to gl.



SIDE ELEVATION



SIDE ELEVATION



FRONT ELEVATION

**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. wether or not specified on dwg.

**Mr & Mrs A WHITTAKER**

**PROPOSED EXTENSION  
5 MEADOWLAND RISE  
CUDWORTH**

**PLANS, SECTION & ELEVATIONS**

1:50, 1:100 @ A1 FEB 17

**Peter Thompson**  
"Linwood"  
Barnsley Road  
Dodworth  
Barnsley S75 3JR  
e-mail peter-thompson@hotmail.co.uk  
M.C.I.A.T.  
t 01226 201391  
m. 07973251730

All windows to be double glazed with 20mm air gap & Pilkington K low E coating, to give min. 1.60W/m<sup>2</sup>K U value.  
& 8000mm sq background ventilation opening lights to equal 1/20th floor area min.  
safety glazing to doors, side panels & glazing below 800mm

**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.