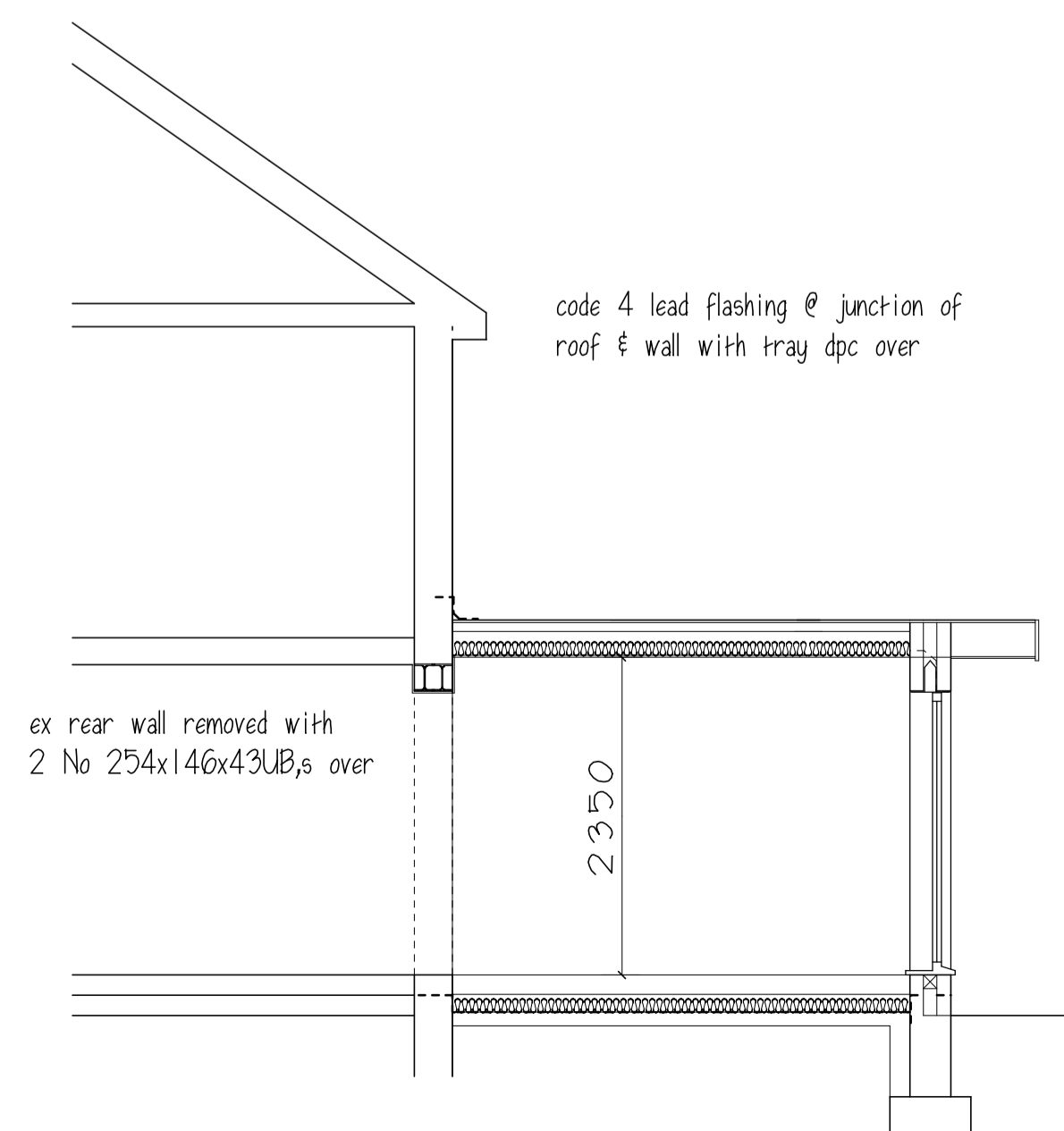


GROUND FLOOR



All sockets & switches to be between 450mm & 1200mm high  
 min. 75% 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.

**WALL CONSTRUCTION**  
 walls to be 100mm blockwork rendered with 100mm cavity, filled with 100mm cavity dri-therm wall batts with 100mm thermalite block o.e.a. with p/b dabs & skim finish, 250mm s.s vertical twist wall ties @ 450mm c/cs vertically & 750mm c/cs horizontally, staggered with ties @ every block course @ reveals, cavity closed @ openings & eaves with dpc & insulation.  
 IG lintels LS/HD100 type lintels to be used over door & window openings, o.e.a. with tray dpc over.  
 dpc to wall to be min. 150mm above gl.  
 tray d.p.c. to be installed at ground level where landing & ramp will occur.  
 air leakage to be limited by the use of robust construction details i.e. 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 gable walls. floor joists ect. must be set on joist hangers.  
 all cavity closures must be insulated.  
 new wall block bonded into existing with cavity continuous air bricks @ 1.8m c/cs boxed thro cavity with tray dpc over

**FLAT ROOF CONSTRUCTION**  
 new roof covering to be proprietary neoprene roof covering installed to manufacturers spec on 18mm wbp ply on 47x193sw roof joists @ 450mm c/cs with 50x50sw cross battens, and furring pieces to give 1180 min fall with 2 layers of 80mm Kingspan Kooltherm K7 between joists, with 12.5mm p/b & skim ceiling. 200x25sw fascia board with 25mm gap covered with flyproof mesh, 100mm dia. pvc guttering discharging into ex rwp.

ceiling joists fixed to 100x50 sw bearer, plugged & screwed to wall,  
 code 4 lead flashing @ junction of roof & wall with tray dpc over

**DRAINAGE**  
 40mm dia. pvc waste from sink with 75mm deep re-sealable traps, discharging into G&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 ex rwp

**GROUND FLOOR**  
 18mm Hg flooring grade 2/3 chipboard on 50x125sw floor joists @ 450mm c/cs with 120mm Celotex insulation laid in between min. 150mm air gap to 100mm oversite concrete on 100mm min. well consolidated, sulphate free, hardcore. floor to line thro with existing

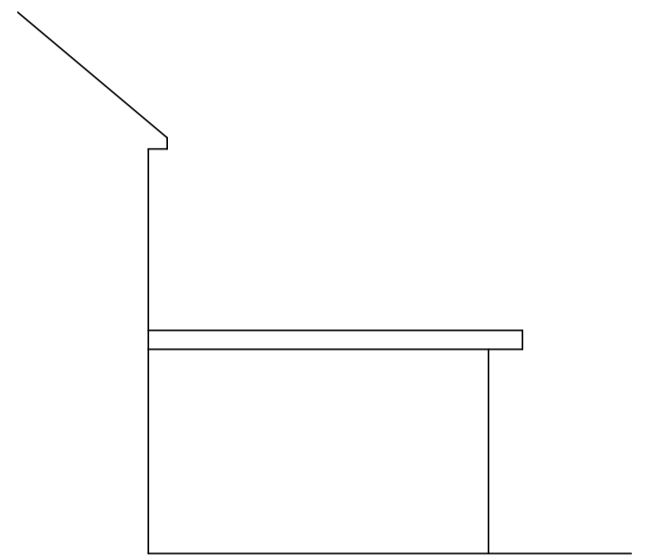
**FOUNDATIONS**  
 600x150 conc. strip footings min. 750mm deep or below drain invert 7KN fnd blocks up to gl.  
 all excavations to satisfaction of B.C.O. with regards to suitability.



REAR ELEVATION

SIDE ELEVATION

**GLAZING CALCS**  
 ext floor area = 19.134m<sup>2</sup>  
 25% = 4.785m<sup>2</sup>  
 ex french door = 2.772m<sup>2</sup>  
 ex window = 1.465m<sup>2</sup>  
 allowable glazed area = 9.022m<sup>2</sup>  
 actual area  
 french doors = 3.15m<sup>2</sup>  
 window = 1.835m<sup>2</sup>  
 side window = 3.59m<sup>2</sup>  
 total = 8.575m<sup>2</sup> therefore ok



SIDE ELEVATION

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.  
 850x500, safety glazing to doors, side panels & glazing below 800mm from fl.

**HEATING**  
 existing wall mounted gas fire Condensing boiler ( with interlock fitted ) with balanced flue in kitchen, radiators to have tr.v., wall mounted heating controls to be full zone  
 commissioning certificate required on completion, by qualified Gas Safe registered installer

**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.

**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.

Mr & Mrs G SYKES  
 PROPOSED EXTENSION  
 25 ROSE HILL DRIVE  
 DODWORTH

PLAN, SECTION & ELEVATIONS

1:50, 1:100 @ 1 JULY 19 Rev B

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