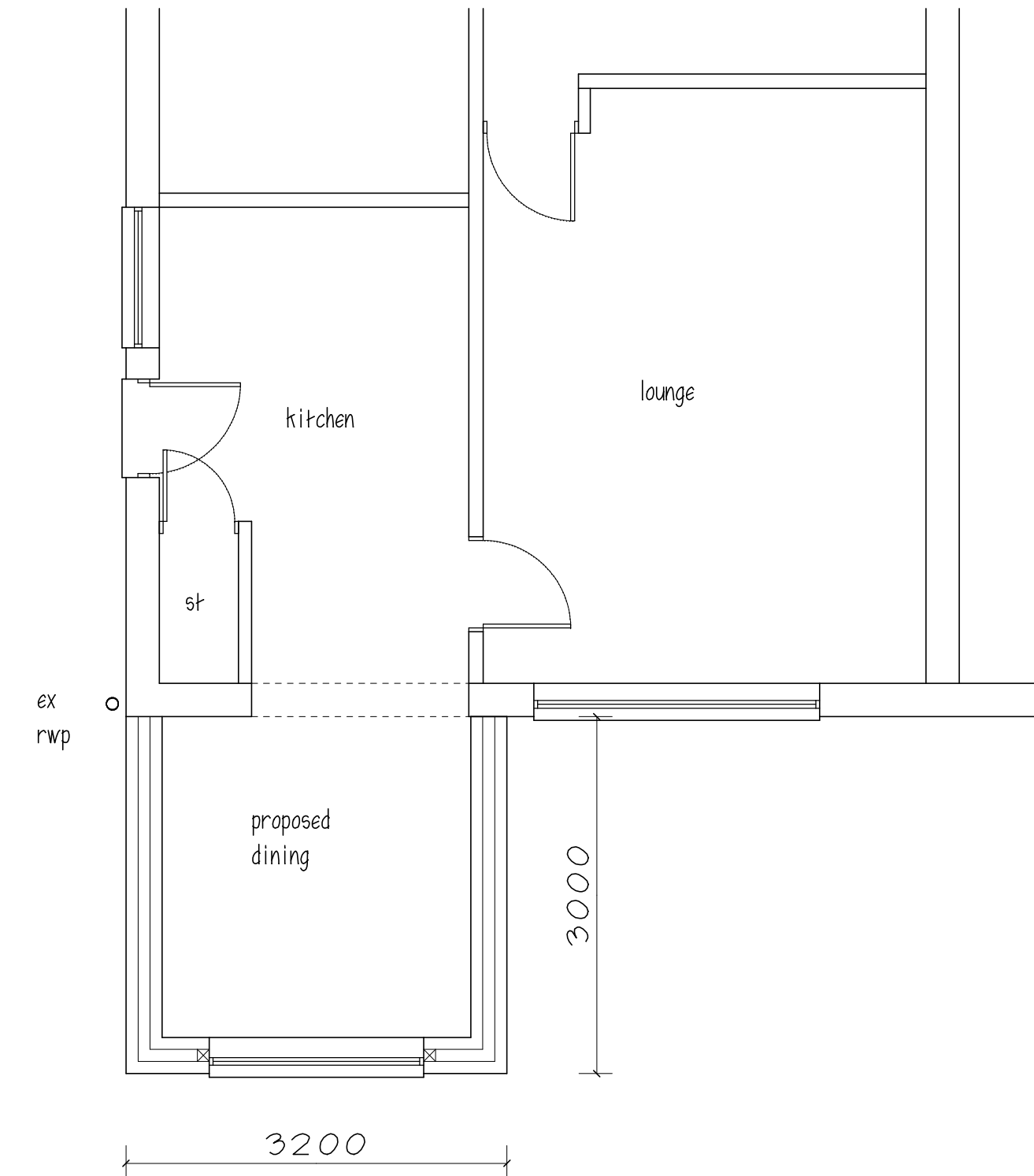




WALL CONSTRUCTION

walls to be 103mm brickwork, to match, 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.

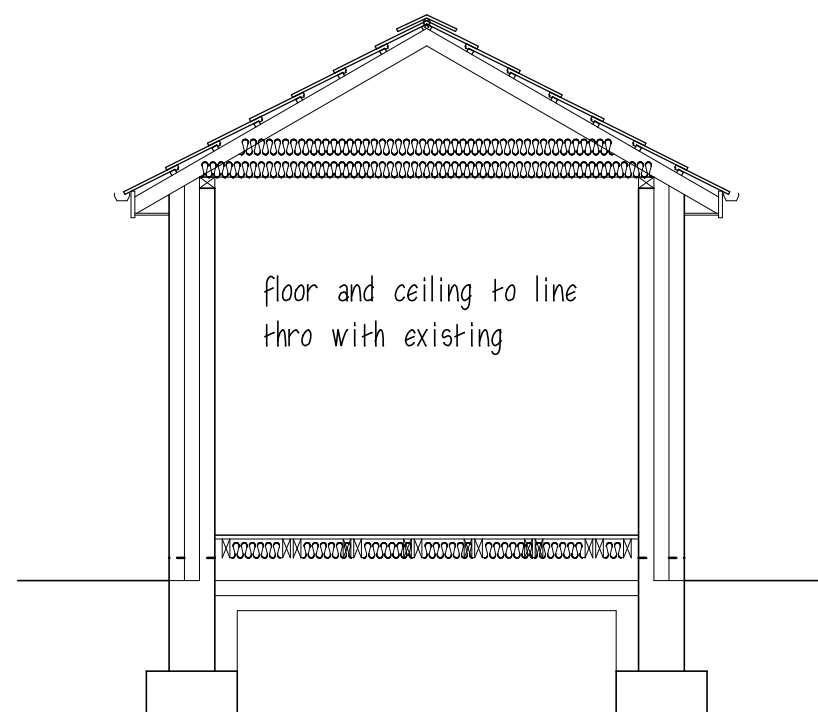
IG lintels LS/HD100 type lintels to be used over door & window openings, o.e.a. with tray dpc over.

dpc to wall to be min. 150mm above g.l. with tray dpc above 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. all cavity closures must be insulated.

new wall block bonded into existing with cavity continuous, 225X150 airgrates @ ground level @ 1.8m c/cs boxed thro cavity with tray dpc over dpc min 150mm above gfl



All windows to be double glazed with 20mm air gap & Pilkington K low E coating, to give min. 1.60W/m²K U value.

& 8000mm sq background ventilation opening lights to equal 1/20th floor area min.
windows to have escape windows 750x450 clear opening thro 90° floor to opening part of window to be between 800mm & 1100mm

ELECTRICAL

all domestic 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.

ROOF CONSTRUCTION

Roof to be concrete interlocking tiles, to match existing, every tile nailed on 38x25 sw battens on untearable sarking felt to BS 747 on 50x150sw rafters @ pitch to match existing & @ 450mm c/cs fixed to 75x100 sw wallplate held down with m.s. holding down straps @ 1.8m c/cs, built into wall. m.s. holding down straps fixed over end 3No rafters & ceiling joists @ 1.8m c/cs & built into wall.

47x220sw ceiling joists @ 400mm c/cs, 170mm insulation quilt laid over @ 90° & 100mm between ceiling joists with 12.5mm p/b & skim ceiling, min. 50mm clear air gap required at 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 ex rwp and guttering

existing roof to be stripped back and new roof tied in with gpr valley gutter on 18mm wbp ply

HEATING

existing heating system, i.e. gas boiler with rads, to be extended into extensions, 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.

All sockets & switches to be between 450mm & 1200mm high

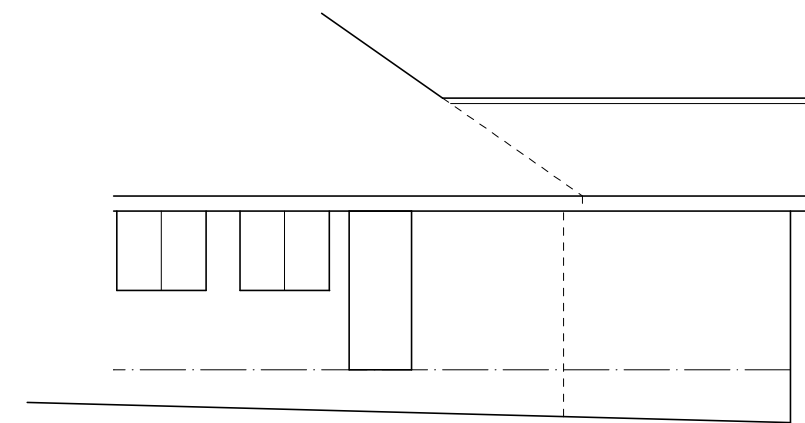
min. 75% low energy light fittings in with sockets that can only be used with lamps having a luminous efficiency greater than 40 lumens per circuit-watt any external lights to have automatic cut-off at daylight & socket not capable of accepting screw or bayonet type bulb. all electrical work to be carried out under "Competent Person" scheme for design, installation, testing & certification, to comply with Part P of Building Regs.

GROUND FLOOR

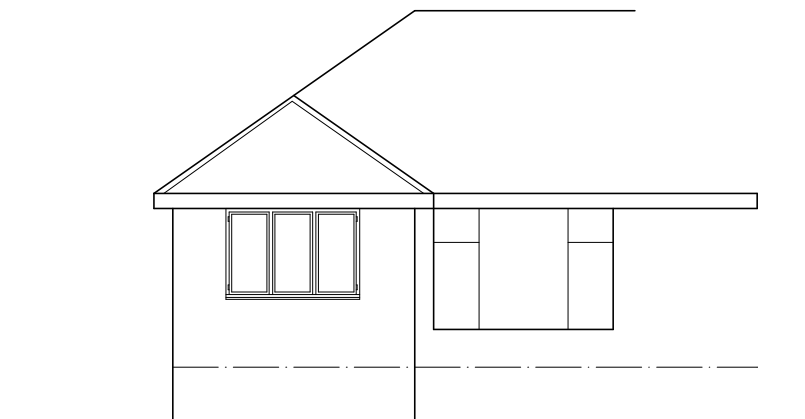
18mm t&g flooring grade 2/3 moisture resistant chipboard on 38x125sw floor joists @ 450mm c/cs, with 120mm Celotex insulation laid in between min. 150mm air gap to 100mm oversite concrete on 2000g visqueen radon/methane barrier, continuous & lapped thro cavity wall, with tray dpc over on 100mm min. well consolidated, sulphate free, hardcore, floor to line thro with existing

FOUNDATIONS

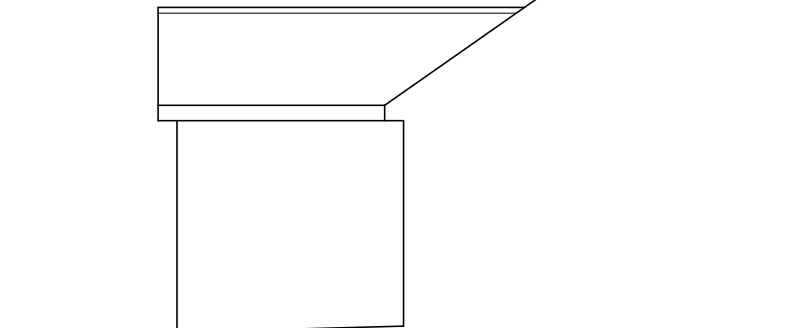
600x300 conc. strip footings min. 900mm deep or below drain invert 7KN fnd blocks up to g.l.



SIDE ELEVATION



REAR ELEVATION



SIDE ELEVATION

Mrs K STEAD

PROPOSED FRONT EXTENSION
32 GREENSPRING AVE
BIRDWELL

PLAN, SECTION & ELEVATIONS

1:50, 1:100 @ A2 FEB 16

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M.C.I.A.T.