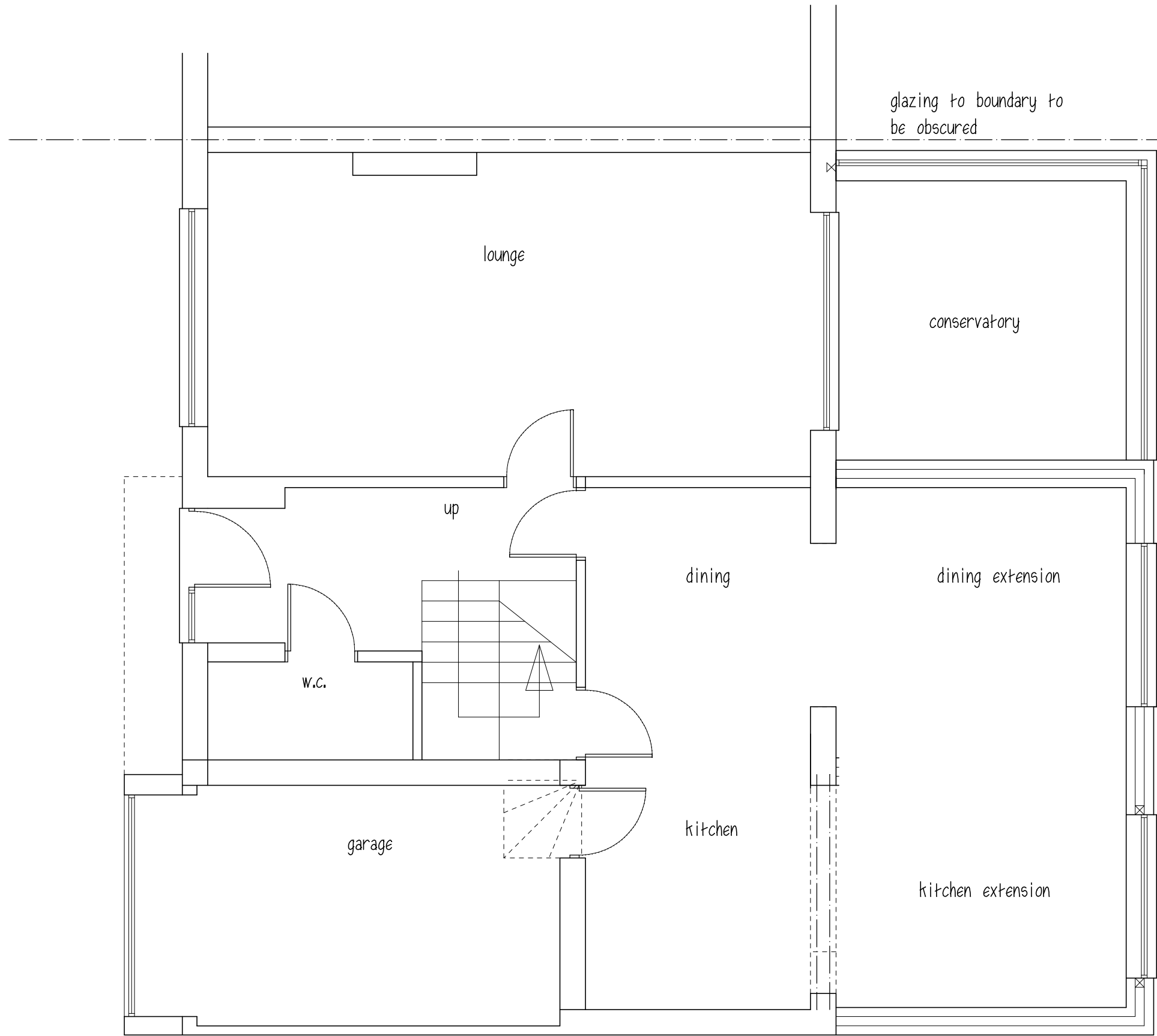
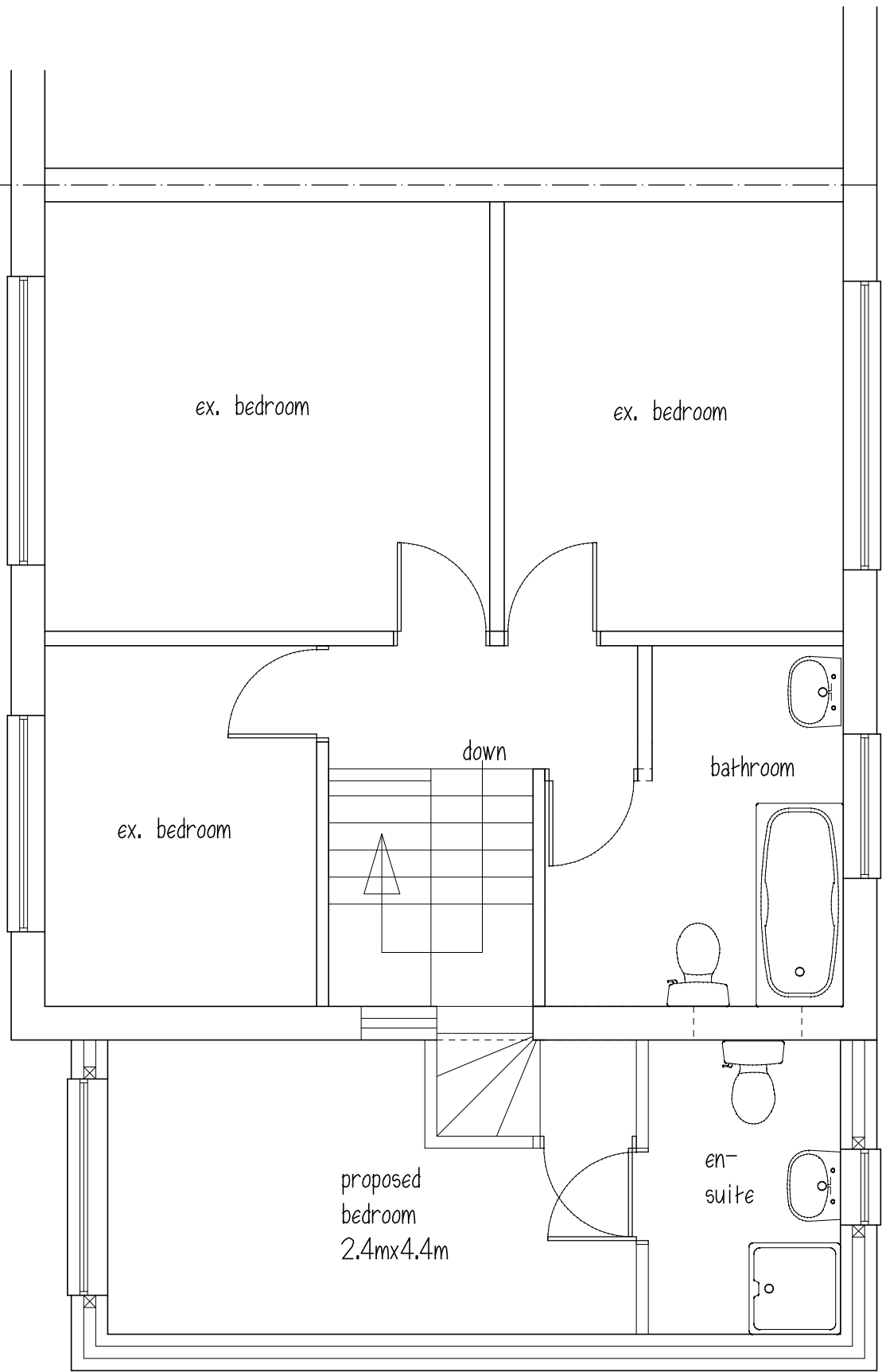




GROUND FLOOR



FIRST FLOOR

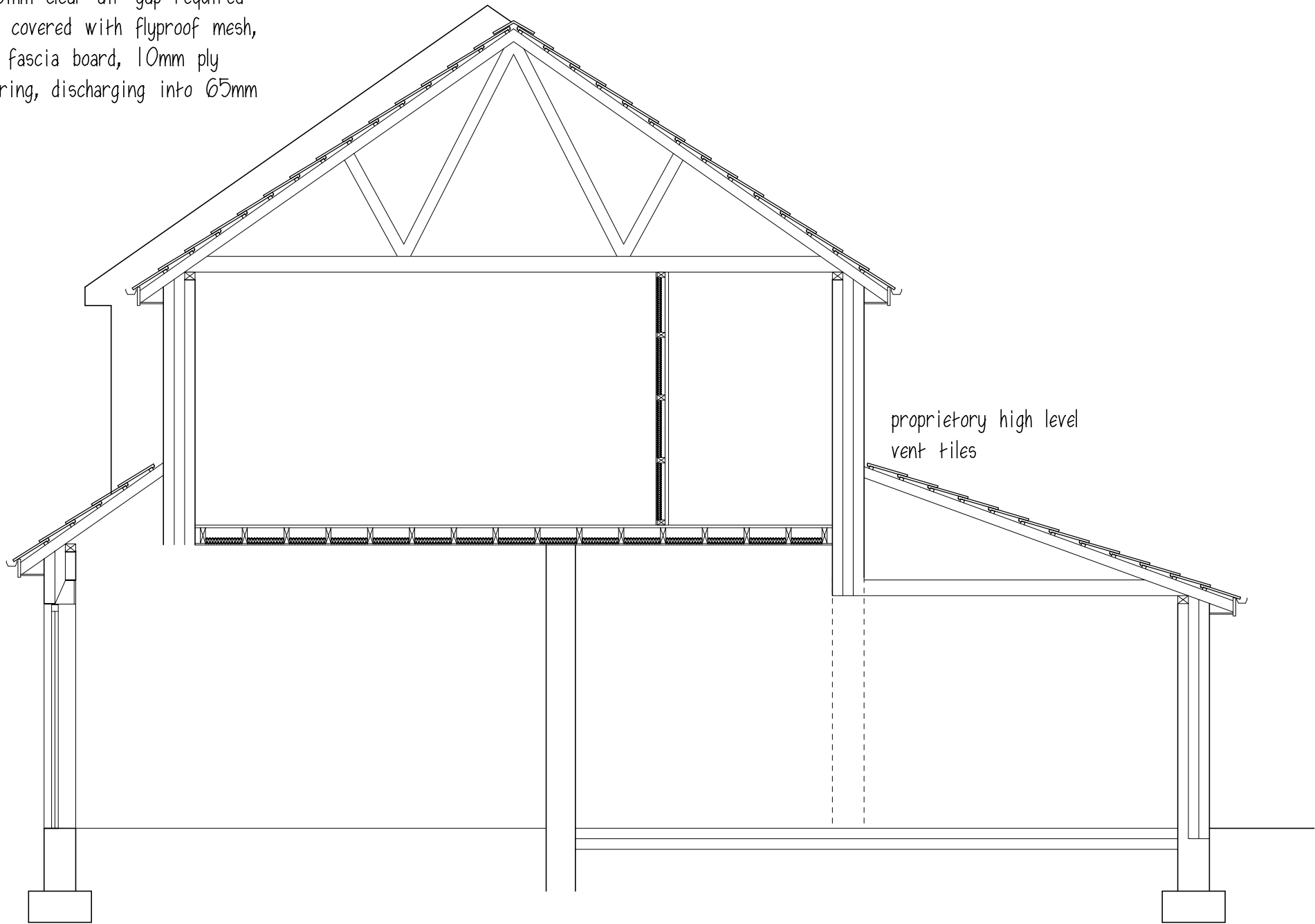
WALL CONSTRUCTION
walls to be 103mm brickwork, with 100mm cavity, filled with 100mm Rockwool fullfill cavity insulation batts, with 100mm Thermalite block o.a.a.(0.15w/mk) with p/b on dabs, plaster skim finish,
250mm s.s.butterfly wall ties @ 450mm c/csvertically & 750mm c/cs horizontally, staggered with ties @ every block coarse @ reveals, cavity closed @ openings & eaves with dpc & insulation.
Garnic CNGH90/100 type lintels to be used over door & window openings with min. 150mm end bearing & 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 existing, cavity continuous.

ROOF CONSTRUCTION
Rear Lean to Roof to be concrete interlocking tiles, Marley Modern, every tile nailed on 38x25 sw battens on unhearable sarking felt to BS 747 on 50x150sw rafters @ 17.5° pitch & @ 400mm 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.
50x150sw ceiling joists @ 400mm c/cs, 150mm insulation quilt laid over @ 90° & 100mm between ceiling joists with 225x50sw binder mid-span 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 65mm dia. pvc RWP.

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

GROUND FLOOR
18mm t&g flooring grade 2/3 chipboard on 50x125sw floor joists @ 400mm c/cs with 120mm Calotex insulation laid in between
min. 150mm air gap to 100mm oversite concrete on continuous radon/methane barrier, thro, cavity wall
on 100mm min. well consolidated, sulphate free, hardcore.
floor to line thro with existing

FOUNDATIONS
600x225 conc. strip footings min. 750mm deep or below drain invert 7KN fnd blocks up to g.l.
all excavations to satisfaction of B.C.O. with regards to suitability.



All windows to be double glazed with 16mm air gap & Pilkington K low E coating & 8000mm sq background ventilation opening lights to equal 1/20th floor area min.
850x500, safety glazing to doors, side panels & glazing below 800mm from f.l. f.f. windows to have escape windows 750x450 clear opening thro 90° indicated X on elevations
floor to opening part of window to be between 800mm & 1100mm
O denotes smoke detectors wired directly to mains
sd & self contained with back up to BS 5446 part 1
All sockets & switches to be between 450mm & 1200mm high
level landing to entrance door with 15mm threshold ramp max. 1 in 12 gradient, with dpm between wall & ramp.

min. 1 No 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.

stud partition to be 75x50 sw studding with p/b & skim both sides, with 75mm insulation laid in between

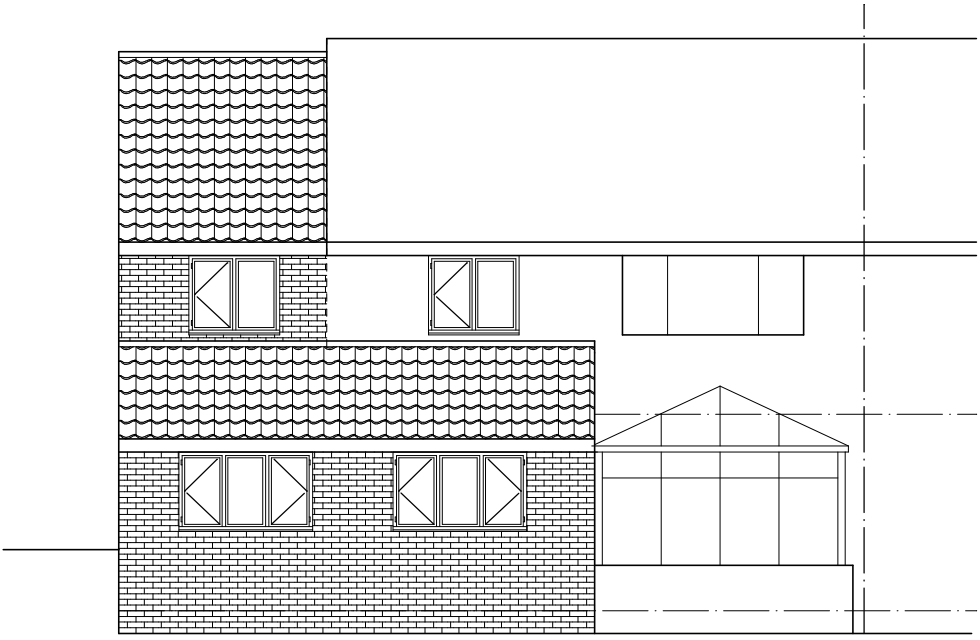
MECHANICAL VENTILATION
All bathrooms & w.c.s to have mechanical extractor fans, ducted to external air to give 15 l/sec air change, connected to lightswitch with 15min. overrun.
kitchen to have 30l/sec

HEATING
ex. gas fired heating system to be extended into new extension
radiators to have tr.v. fitted by registered Corgi installer

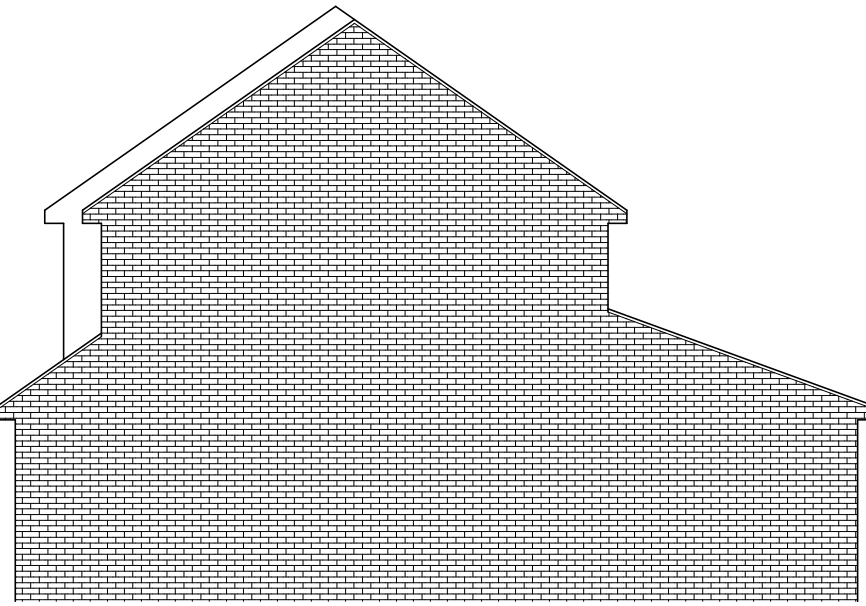
ROOF CONSTRUCTION
Main Roof to be concrete interlocking tiles, every tile nailed on 38x25 sw battens on unhearable sarking felt to BS 747 on proprietary roof trusses @ 30° pitch & @ 600mm c/cs with 25x100 sw horizontal bracing @ ceiling joists, ridge & node points, diagonal bracing from ridge to eaves on all sides. Trusses fixed to 100x75 sw wallplate held down with m.s. holding down straps @ 1.8m c/cs, built into wall. m.s. lateral restraint straps fixed over end 3No rafters & ceiling joists @ 1.8m c/cs & built into wall.
All bracing to BS 5268, 150mm 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 25mm gap to soffit, covered with flyproof mesh, full length of all eaves, 175x25 sw fascia board, 10mm ply soffit board, 115mm dia. pvc guttering, discharging into 65mm dia. pvc RWP.
code 4 lead flashing & soakers @ junction of new roof & wall.
Conditional approval required for truss, calcs to be provided by manufacturer prior to erection on site.

FIRST FLOOR
18mm t & g flooring grade 2/3 chipboard on 50x150 sw floor joists @ 400mm c/cs, end 3No joists to have galvlateral restraint straps @ 1.8m c/cs fixed over & built into wall, joists to be doubled up under stud walls,
2 layers 12.5mm Superlux, joists supported on joist hangers on load bearing walls, 150mm Rockwool insulation quilt laid in between joists

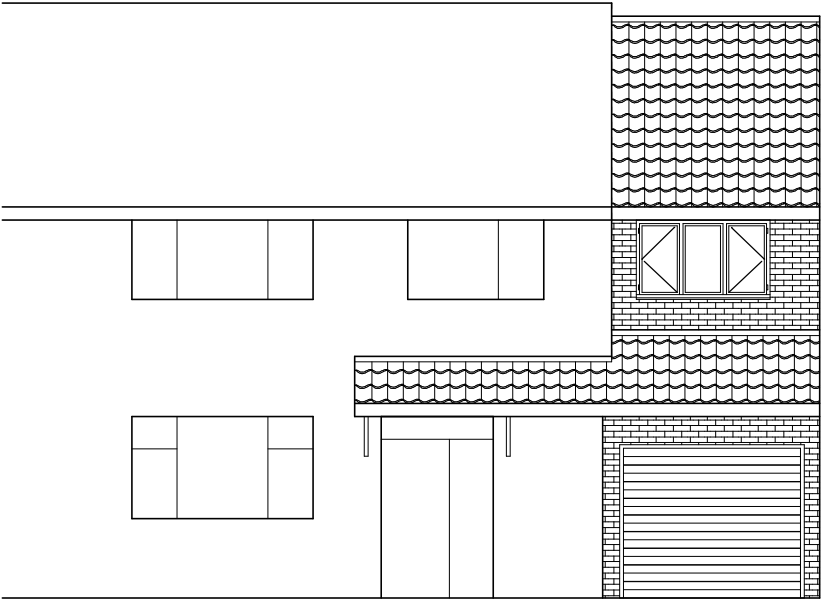
DRAINAGE
All w.c.s to have 100mm dia. pvc S&VP,s with birdproof mesh cage min. 900mm above any opening lights, 32mm dia. pvc waste from whb,s 40mm dia. pvc waste from bath, sinks & showers, all with 75mm deep re-sealable traps, discharging into S&VP or b.g.
Below ground drainage to be 100mm dia. flexible 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. 1m3clean hardcore to satisfaction of B.C.O.
provide vent at or near head of drain run
foul water to discharge into existing drain



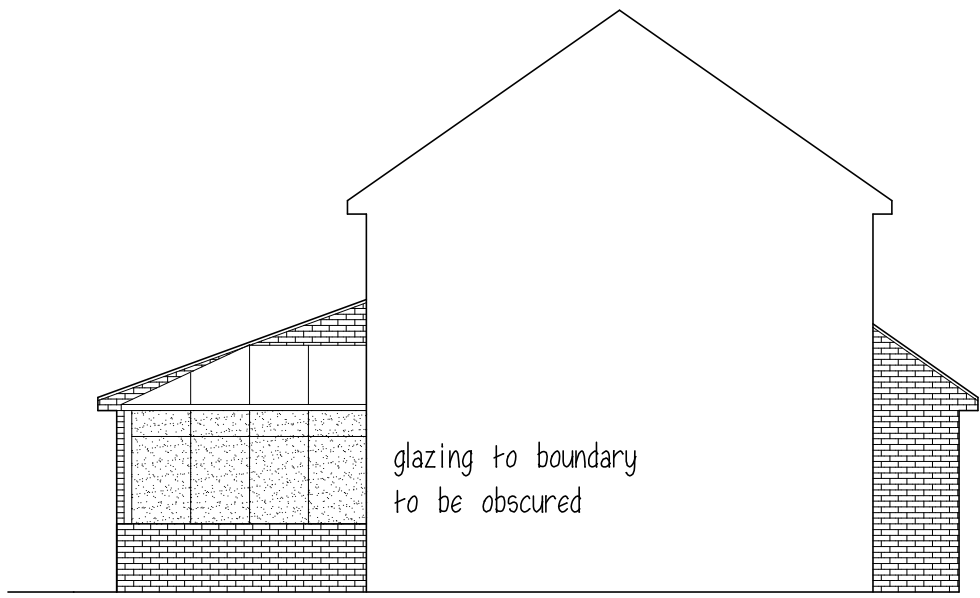
REAR ELEVATION



SIDE ELEVATION



FRONT ELEVATION



SIDE ELEVATION

Mr J.S. BASARA

PROPOSED EXTENSION
19 APPLETON WAY
WORSBROUGH BRIDGE

PLANS,SECTION & ELEVATIONS

1:50,1:100 FEB.13 Rev B

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