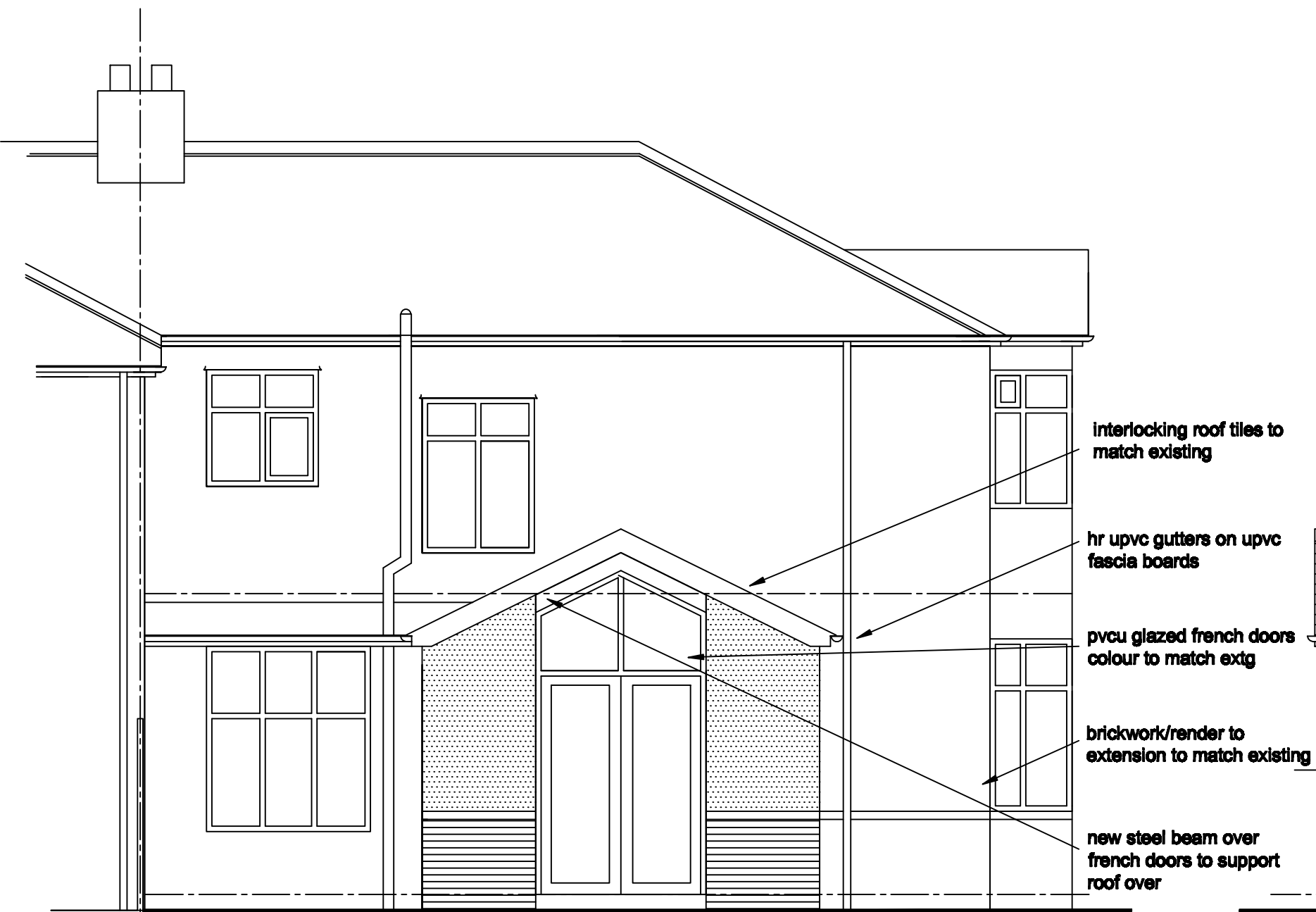


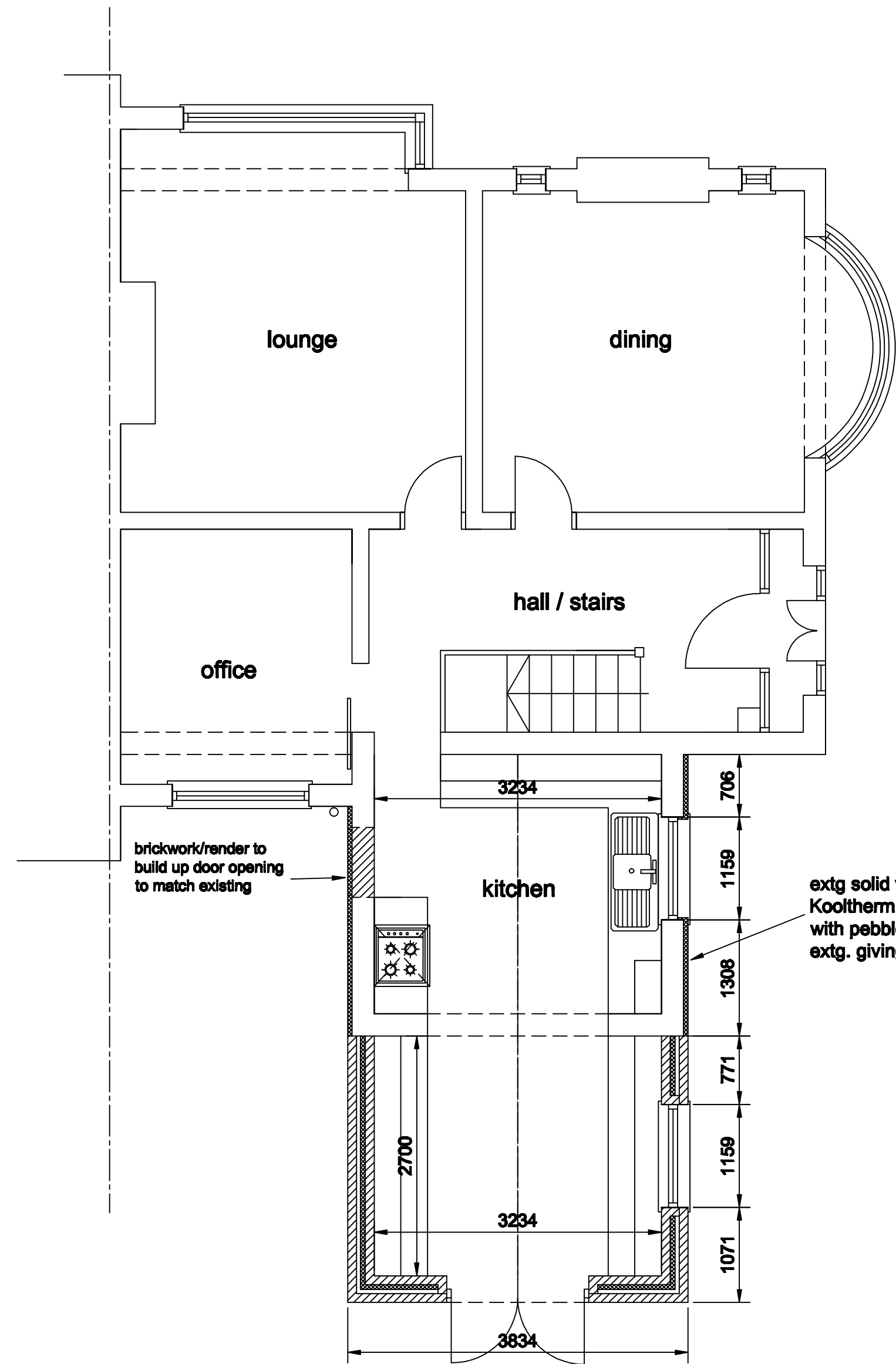


proposed rear elevation

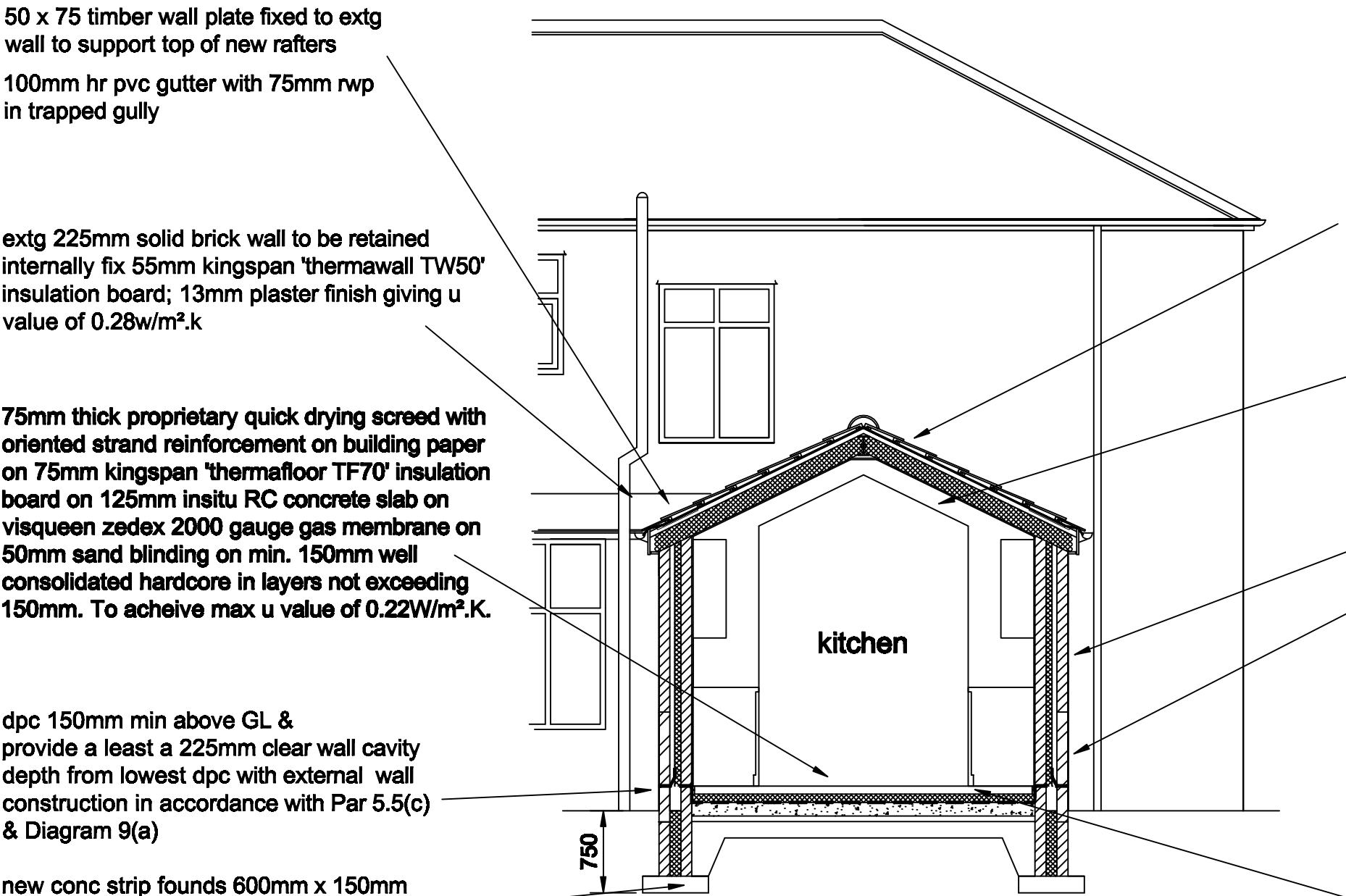


proposed front elevation

proposed side elevation



proposed ground floor plan



proposed section

Structural calculations to be submitted and approved before commencement

Note It is the responsibility of the contractor to determine the location and direction of the existing drainage through excavation and provide new pipework to connect new to existing. Full drainage system on site is to be identified at time of excavation. If combined or separate systems are found that system is to be maintained during and after construction. All re-routing and any new drainage layouts are to be approved by BCO prior to laying of any drains. RWP's into new trapped gullies and connected into extg drainage

Construction Details
Continuity of insulation and limiting air leakage to be in accordance with DEFRA Robust Building Details. All materials to be fitted in accordance with manufacturers instructions. Roof insulation to be laid over top course of blockwork and wall insulation continued up to top of wall to meet roof insulation. Wall insulation batts to be tightly butted up to each other and to cavity closer. Service penetrations to be cored drilled to minimise damage to insulation and hole oversize kept to a minimum to provide snug fit. All penetrations to be sealed all round with a mastic sealant to junctions of plaster finishes, windows boards and frames.

Proposed Finishes
Walls - Pebbledash / brickwork to external walls to match extg.
Roofs - Interlocking conc tiles with PVCu fascias and rainwater goods to match extg
Windows & Doors - PVCu to match extg

NOTES

- SPECIFICATION NOTES**
FOUNDATIONS:
foundations to consist of concrete strip foundations 600mm wide x 150mm deep min 750mm to bottom of founds from GL all to satisfaction of building control officer.
dense concrete block work below ground level and cavities filled with foaming insulation
FLOOR TO NEW EXTENSION:
to comprise 75mm thick proprietary quick drying screed with oriented strand reinforcement on building paper on 75mm kingspan 'thermafloor TF70' insulation board on 125mm insitu RC concrete slab on visqueen zedex 2000 gauge gas membrane on 50mm sand blinding on min. 150mm well consolidated hardcore in layers not exceeding 150mm. To achieve max u value of 0.22W/m².K.
EXTERNAL WALLS:
Cavity wall construction: 100mm facing brickwork externally to match existing; 100mm cavity containing 55mm Kingspan Thermawall TW50 zero ODP partial fill insulation; 100mm thick blockwork (7N/m² strength, 1400kg/m³ density, 0.81W/mK thermal conductivity); blockwork to have plaster finish internally all to achieve u value of 0.23w/m².K.
All cavities to be closed at top of walls with rockwool rockclose and around openings with insulated thermabate cavity closers, stainless steel wall ties with insulation retaining clips at max. 750mm centres horiz and 450mm staggered centres vertically. hylored or similar dpc. cavity trays to all interruptions of cavity. New walls connected to existing walls with stainless steel movement connectors, bolted to existing and built into new walls.
DPCs
Hylored or similar approved to new masonry walls at floor level and 150mm min. above ground level.
FRENCH DOORS:
New external high quality upvc doors to be double glazed. (to band 3 or better) colour to match existing. New doors to comply with requirements of Parts K and L1b of the Building Regs with safety glazing to be used in critical locations to comply with Approved Doc and BS 6206. to achieve u value of 1.2w/m².K.
ABOVE GROUND DRAINAGE:
Wash hand basins to have 32mmØ trap with 32mmØ waste pipe up to 1.7m long, and 40mmØ up to 3m long. All traps to have minimum 75mm deep seal. All wastes to connect to discharge into gully.
SPACE AND WATER HEATING:
Existing radiator system to be adapted as necessary to provide heating to new habitable room within the existing house. All pipework to be insulated, heating to be thermostatically controlled. Heating system to comply with Part L1b of the building regulations.
ELECTRICAL WORK:
Modify extg electrical installation into new extension including new low voltage light fittings, power sockets, and where specifically requested television outlets, telephone outlets, and security systems and all switches and sockets to be installed in habitable rooms are to be between 450mm and 1200mm above floor level. All electrical work must be carried out to meet the requirements of Building Regulations Part P by a person competent to do so. Prior to completion either an electrical installation certificate issued under an Approved Competent Person Scheme, or an electrical installation certificate signed by a person competent to do so, should be provided to Building Control.
HEATING:
New underfloor heating to extension in accordance with L1B regulations.
VENTILATION:
Windows are min size of 1/10th floor area of room with opening lights to equal min 1/20th floor area. Mechanical ventilation system to be of an energy efficient type in compliance with Table 3.
* rooms with no windows or opening lights - fans to have 15min overrun timed/
Windowless rooms - fans to operate off main light switch.
* Replacement air to be provided to rooms with fans by 10mm undercut under door. Extract fans giving air flow of 8L/S to WC & 15L/S to bathroom.
CONSERVATION OF FUEL AND POWER:
Alterations to be designed in accordance with the 2010 edition of building regulations approved document L1B
ABOVE GROUND DRAINAGE:
- All traps to have min. 75mm deep seal. All wastes to connect to either Soil and Vent Pipe or Stub Stack, or discharge into trapped gully.
- Provide new uPVC gutters (to match extg), mounted level and discharging to new square rainwater pipes, connected directly into surface water trapped gullies.
BELOW GROUND DRAINAGE:
- Start of new drains to be either a gully or rest bed (from SVP). New drains to be clay pipes with flexible joints, and be nominally 100mmØ. Pipes to be bedded and backfilled with granular material to BS6882, and generally laid to falls of 1:50. Drains passing under building to be encased all around with 100mm concrete if within 300mm of u/s of slab. For drains that pass through walls provide openings in wall with r.c. lintols to all leaves, to give 50mm clear space around pipe, to be filled with compressible fill to prevent gas entry.
NEW REAR SINGLE STOREY 'ROOF':
new roof to comprise: Concrete interlocking roof tiles, colour & pitch to match existing laid to manufacturer's recommendations on 25x38mm tan. battens on glidevale vp400 protect underlay on 50x38mm tan s/w. counter battens on 140mm thick Kingspan Kooltherm K7 rigid pitched roof board insulation laid between 150x50 C16 s/w rafters at 450mm ctrs with 12.5mm plasterboard fixed to underside. to achieve u value of 0.18w/m².K.
Roof timbers to be supported on 100x50mm wall plates bedded on wall tops and strapped down to structure with 1200x6mm galvanised ms straps at 2m max. centres. provide eaves ventilation equivalent to a continuous 10mm gap by patent means incorporating insect screen and equivalent to 5mm vent gap to ridge.

GENERAL BUILDING REGULATION NOTES			
1.	All work to be carried out to the satisfaction of the Local Authority.		
2.	32x6mm M.S. straps to be fixed as lateral restraint to roof joint / wall/wall intersections (ie) where rafters run parallel to walls to comply with Schedule 7.		
3.	Roof void to be vented to CPI44 Part 3 1970.		
4.	Cavity barriers required to comply with Reg E.14.		
5.	Where new cavity walls meet existing, cavities are to be connected.		
6.	All cavities closed to comply with Bldg Regs.		
7.	All external door & window openings to have horiz & vertical dpc's.		
8.	Window sizes to give min 1/20th floor area of room or natural ventilation and 1/10th floor area of room for natural light.		
9.	Lintols to window & door openings to be patent metal combined lintol (Cotvic CH120) or similar (see E.14)		
10.	New rainwater goods to match existing (ie): hr gutters & n/ws into trapped gullies.		
11.	Existing heating system extended into new area.		
12.	All foundations to comply with Bldg Regs		
13.	All foundations within 1m of drain to be taken down to invert of drain.		
14.	Roof ventilators to be provided at the abutment with any extg wall Reg F2		
15.	Courting to match existing		
16.	Concrete lintols to be provided in walls where drains pass through.		
17.	New drainage under building to be encased in 150mm min concrete.		
18.	New drainage to be 'Hepeleer' or similar using flexible joints.		
19.	All dimensions to be checked on site.		

A	initial extg new kitchen door	31-05-2021	
REV	DESCRIPTION	CHECK DATE	
CLIENT			
Mr David Tyrrell			
24 Belfield Crescent, Huyton, Liverpool. L36 5TR			
PROJECT			
Proposed Single Storey Side Extension			
DRAWING			
Proposed Plan, Elevations & Section			
SCALE			
1:50 @ A1	DATE	DRAWN	CHECKED
	May 2021	rb	
DRAWING NO.			
2129/DT/02	CAD REFERENCE NO.	REVISION	
		A	