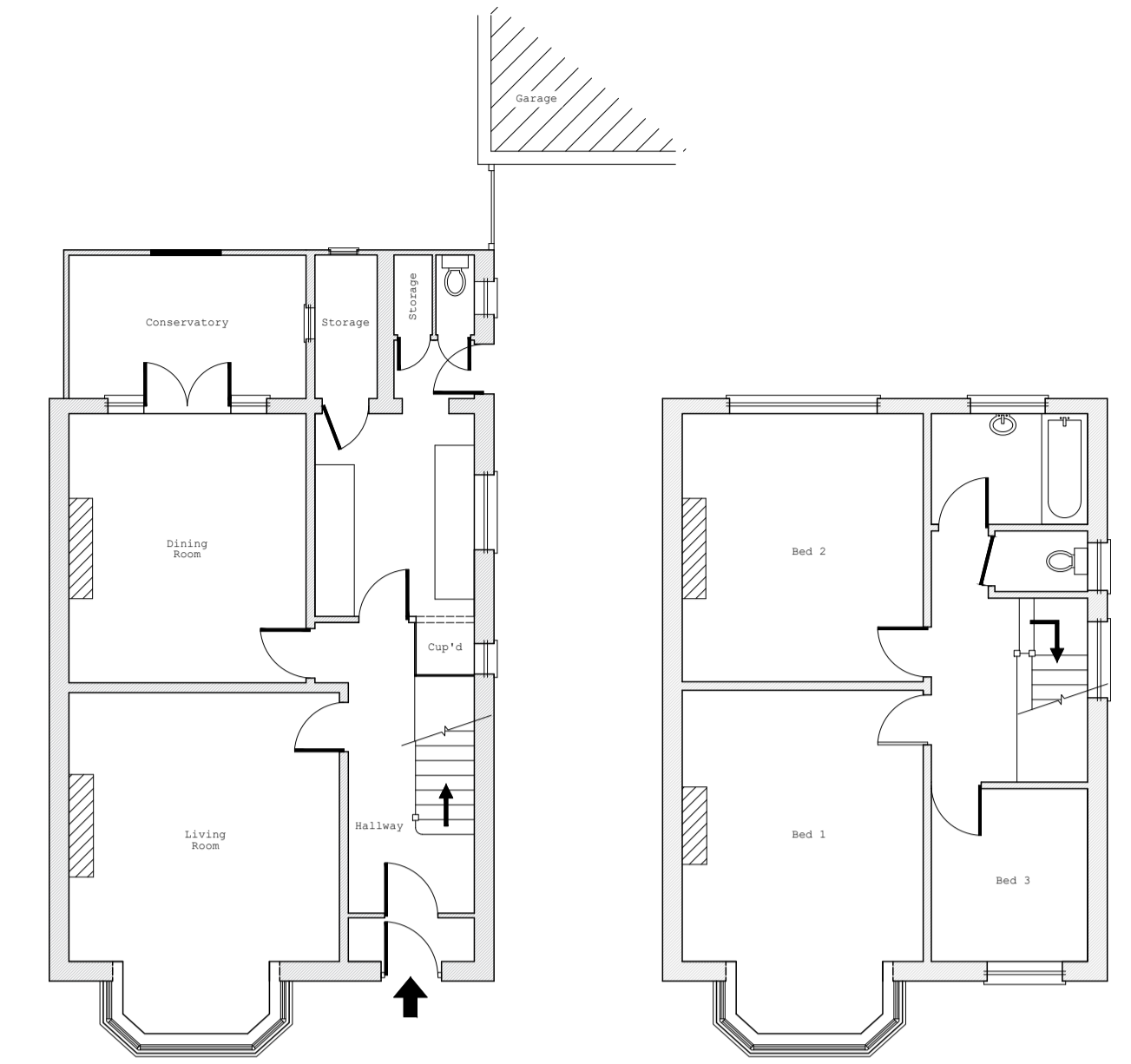
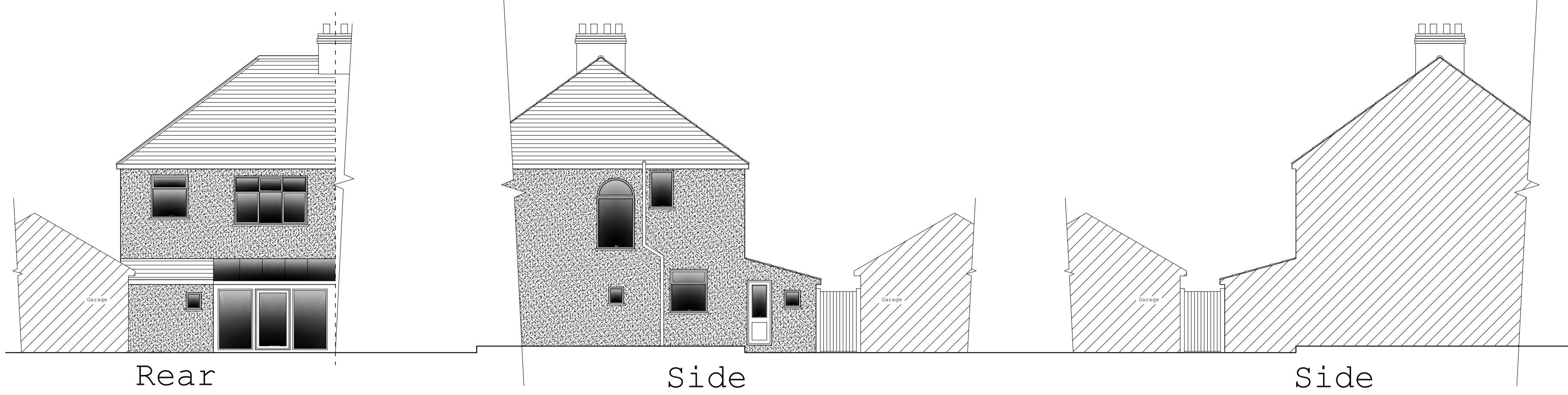
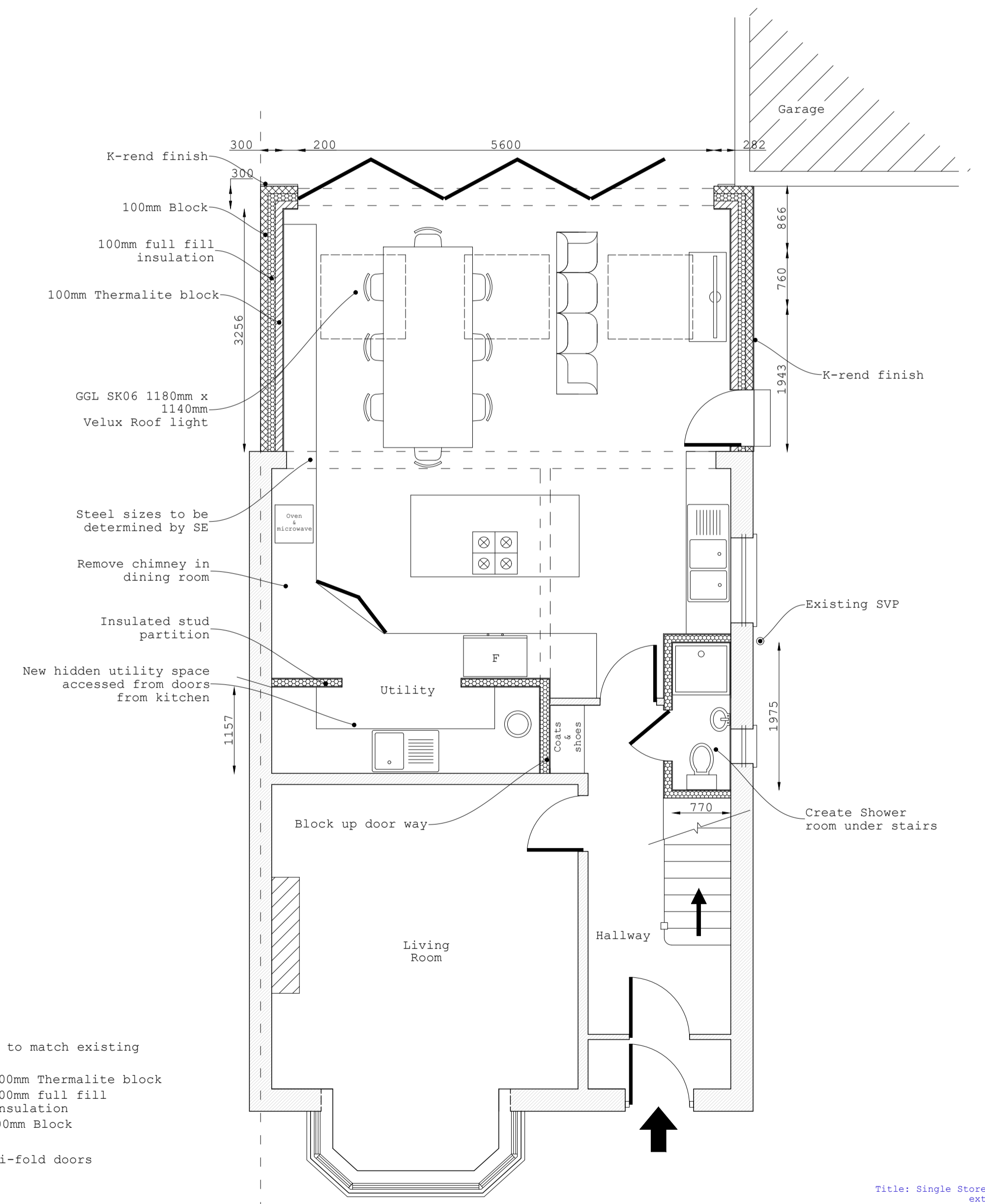
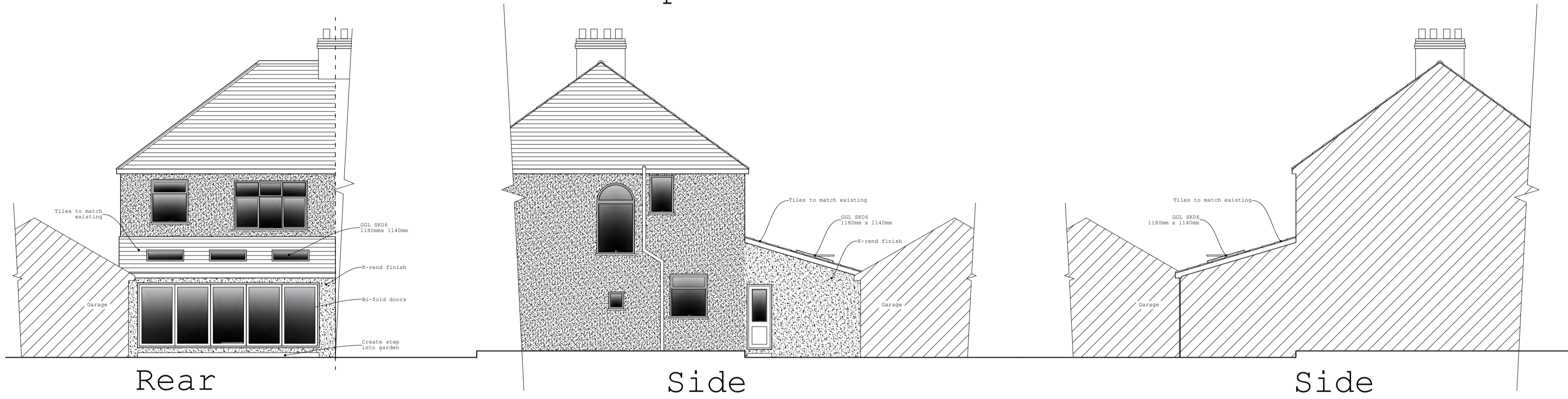


# Existing Elevations



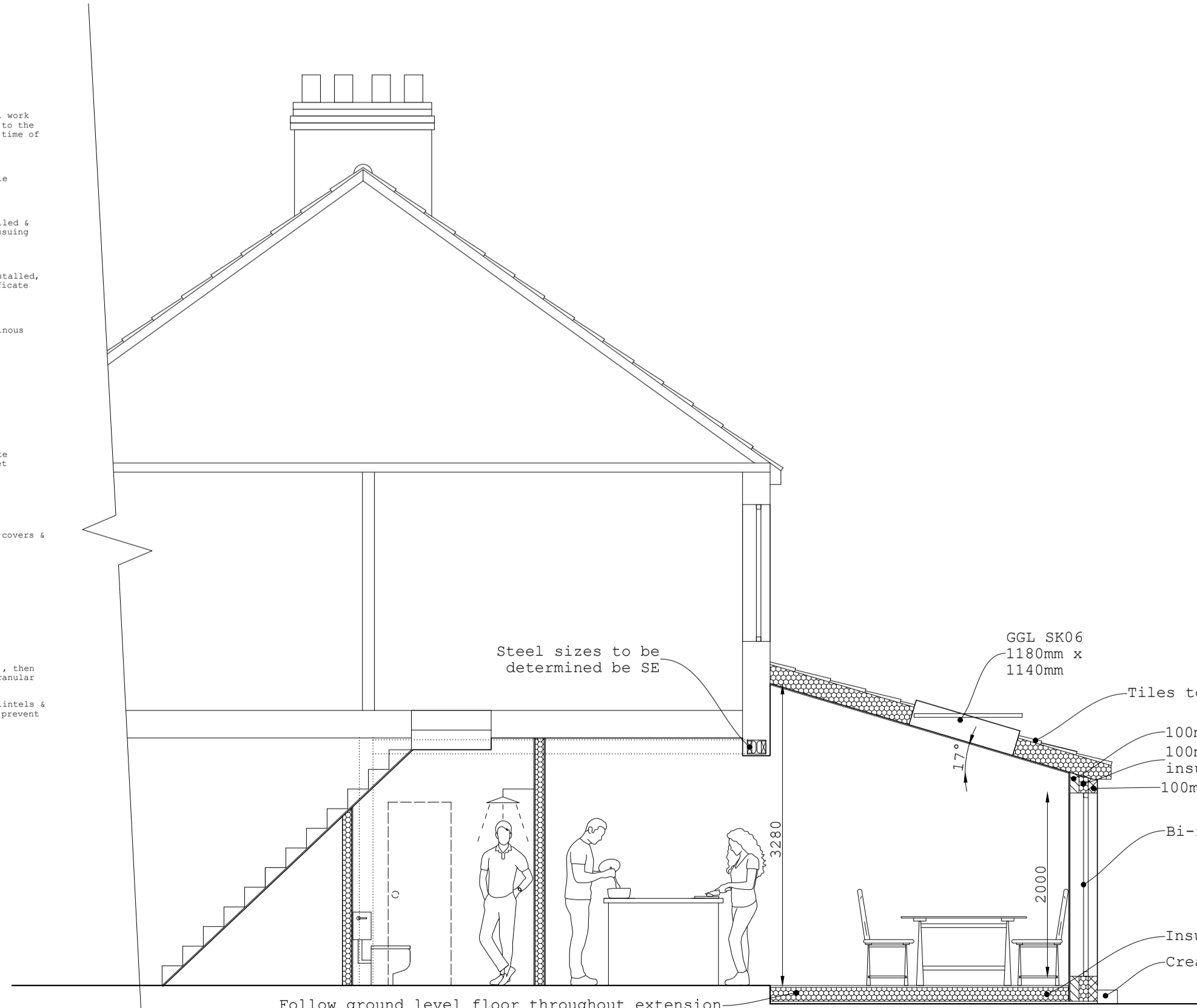
Existing Floor Plans

# Proposed Elevations



Proposed Ground Floor Plan

- 1. Foundations**  
Depth according to ground conditions in load bearing sub-soil & Local Authority approval.  
Contractor to dig trial hole before work commences to establish existing foundation type size & depth. 100mm ground bearing cast concrete slab on 150 gauge deep ground membrane on sand blinding or well consolidated hardcore fill 100mm when compacted) note 30mm of insulation turned up walls around the perimeter of floor.
- 2. Ground Floor**  
Floor to continue through from existing floor level, timber frame with full fill insulation until step down. 40mm min sand & cement pumped screed on vapour barrier, on 80mm Celotex insulation board or equal approved.
- 3. Wall Construction**  
300mm external wall o/s to be 1100mm outer skin of dense block work matching existing, 100mm cavity with pumped insulation 100mm thermalite inner skin with 125mm gypsum render and skim.  
Both skins of cavity wall to be tied together with 350mm long stainless steel vertical twist tie complying to BS5311:1978. Ties to be spaced 400mm horizontally and 400mm vertically, and 250mm vertically with 250mm from sides of opening and unbraced jamba.  
DPC's to be minimum of 150 above finished ground level. DPC's heavy duty polythene to BS743  
DPC trays over all opening and doors to vertical jamba of openings and under sills. Propriety insulated cavity closers to openings.  
Cavity trays to rise minimum 140mm across cavity.  
New gables or equal, 12.5 plasterboard, 25mm mortar or plaster to close top of walls.
- 4. Lintels**  
Lintels over openings in 300mm cavity wall with walling over to be 10 1/2 100 (or similar approved).  
Provide a separate flexible damp proof membrane over the profile of lintels also.
- 5. Window & Doors**  
Windows to have max U value 1.6 & be double glazed using E glass. External doors max U value 1.6.  
Double glazed aluminum framed bi-fold doors to max U value 1.7, e glass.  
Fitting all glazing in windows less than 900mm above floor level or 1500mm for doors & side panels within 300mm of doors, shall comprise toughened or laminated glass or annealed of suitable thickness for its area or by providing a protective screen, fully complying with approved Document Part 10
- 6a. Draught Seals**  
Provide draught stripping in the frames of openable windows and doors, ensure boxing for concealed services is sealed to floor and ceiling levels, & seal piped services where they penetrate or project into hollow construction or voids.
- 6. Roof**  
Joist sizes to be determined by a structural engineer. Joists at 400mm o/c with 12.5mm plasterboard and skin finish under, to form ceiling. Fix 18mm oak then 1000gauge vapour control barrier then install 100mm extruded to form a warm roof. Breathable felt with roofing battens and tiles to match existing
- 7.5. Rafters**  
Elemental method used, or floor 0.21, walls 0.25.  
Flat roof 0.17 flat ceiling 0.15 Sloping ceiling 0.15
- 8. Roof Insulation**  
Provide 100mm Celotex rigid insulation between (or similarly approved) rafters with 30mm air gap with Axis X control insulation blanket (or similarly approved) stapled over rafters, battens and plasterboards.
- 9. Flashings**  
Where lead flashings are required allow 60mm internal in strict accordance with the lead association's detail. All lead work to comprise of two coats of patination oil upon completion of flashing. Patination oil to be applied in strict accordance with manufacturers instructions.
- 10. Straps**  
Holding down straps to be Galvalume mild steel vertical straps 30mm wide x 2.5mm thick & extend min 1000mm down wall. Straps to be fixed using min 4 screws with at least one screw located with 150mm of bottom of strap, straps located 800mm centres.  
Lateral straps to be Galvalume mild steel straps 30mm wide x 3mm thick, fixed to min 3 timber rafters running parallel to wall at max 2000mm centres, with 2 screws per timber. Screws to be minimum 6mm dia. 30mm corrosion resistant nails.  
Provide solid noggin & blocking between the timber members (i.e. between the last timber & the wall) where lateral restraint straps are located.
- 11. Heating & Plumbing**  
Allow to access existing system to all new areas.  
Radiators/thermostats/heating to be agreed with client. All work to be undertaken by qualified plumber. All work to be tested & commissioned on completion & all guarantees, warranties, instruction books are to be given to the client. The installer or contractor should show & explain the workings of the system to the client at the time of handover.
- 12. Ventilation**  
Mechanical extract ventilation to WC for rapid ventilation, windows to have controllable and secure trickle ventilation.
- 13. Electrical Work**  
All electrical work required to meet the requirements of part P (Electrical safety) must be designed, installed & tested by a person competent to do so. Electrical installation certificate to BS 7671 required prior to issuing Building Regulation completion certificate.
- 13a. Power Requirements**  
All electrical work is required to meet the requirements of part P (electrical safety) to be designed, installed, inspected and tested by a competent person to do so. An appropriate BS 7671 electrical installation certificate to be issued for the work.
- 14. Lighting**  
All new internal light fittings to be energy efficient light fittings that only accept lamps having a luminous efficacy of greater than 40 lumens per circuit watt (ie compact fluorescent lamps).
- 15. Drainage**  
110mm diameter open pipework conforming BS4514:1983 & BS4660:1973. Laid strictly in accordance with the manufacturers recommendations.  
Inspection chambers modify existing.  
All foul water drains shall be laid to a minimum fall 1in60.  
All below ground drainage to conform to BS 8211:1985.  
Where drain pass through the external walls, the walls to be supported on non-composite reinforced concrete lintels & 50mm space left, all around the pipes. Both sides of the opening are to be masked with rigid sheet material to prevent waste entry.  
Sub soaks to have air admittance valves terminating 1000mm above floor level.  
Concrete surround to gutters.  
Concrete support to beds at foot of s.v.p.s i.c.s within buildings to have recessed double seal/bolt down covers & frames conforming to BS 4971:1976.  
Gutters: back inlet type: waste to discharge below grating level.  
38mm diameter upvc wastes, sinks, or 32mm ditto to basins  
75mm deep seal traps to fittings, access to be provided at right angle bends excluding 3m in length waste pipes over 1750mm in length to have anti siphonage devices  
All above ground drainage to conform to BS 5572:1978
- 16. Protection of Pipes**  
Where pipes have less than the minimum recommended cover (400mm under footpaths and 900mm under driveways), then pipes should be protected by a reinforced concrete cover slab with a flexible filler & at least 75mm of granular material between the top of the pipe and the underside of the flexible filler below the slab.  
Where drains pass through external walls, the walls to be supported on non-composite reinforced concrete lintels & 50mm space left around the pipes. Both sides of the opening are to be masked with rigid sheet material to prevent waste entry, & the void around the pipes to be filled with compressible sealant to prevent gas ingress.



Section A:A

