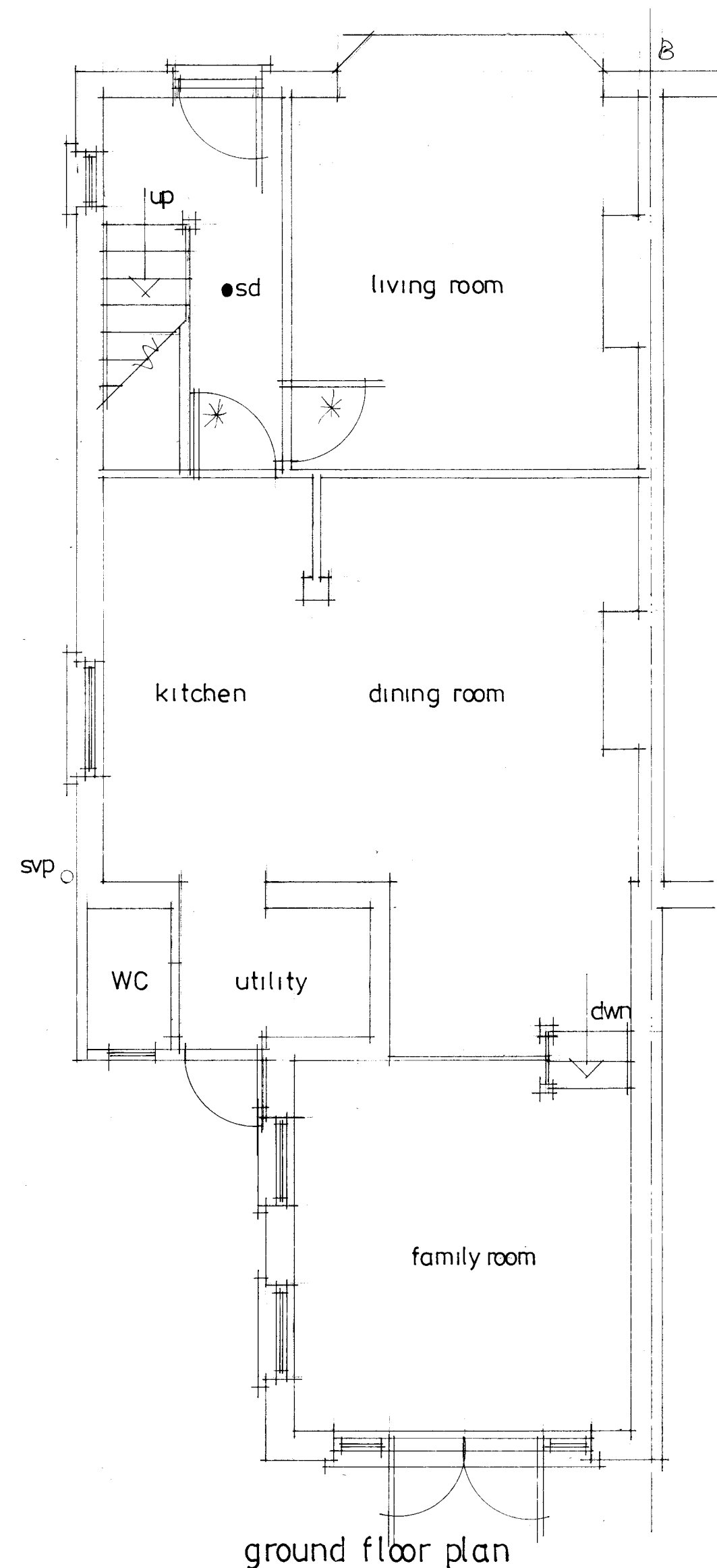
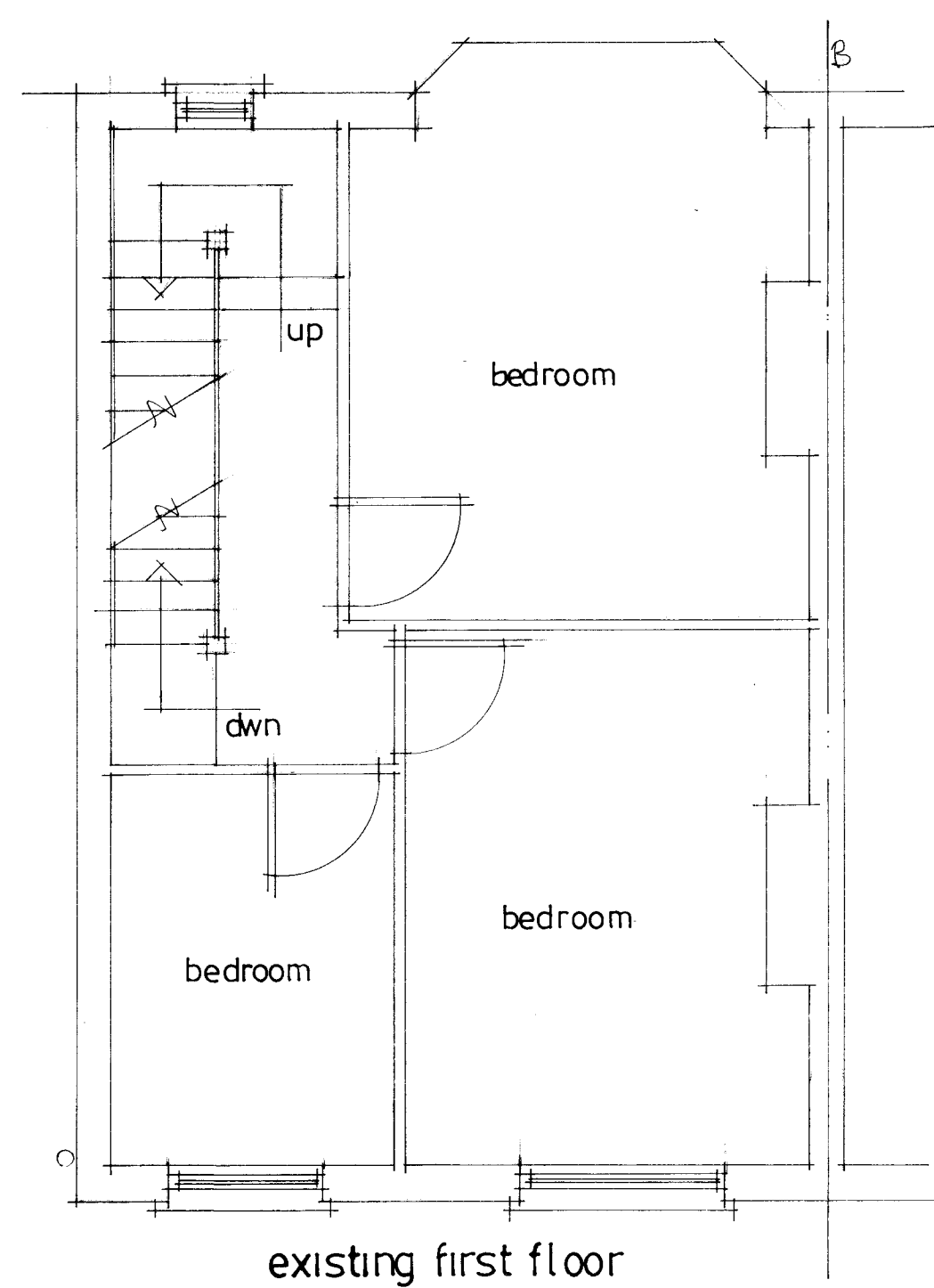
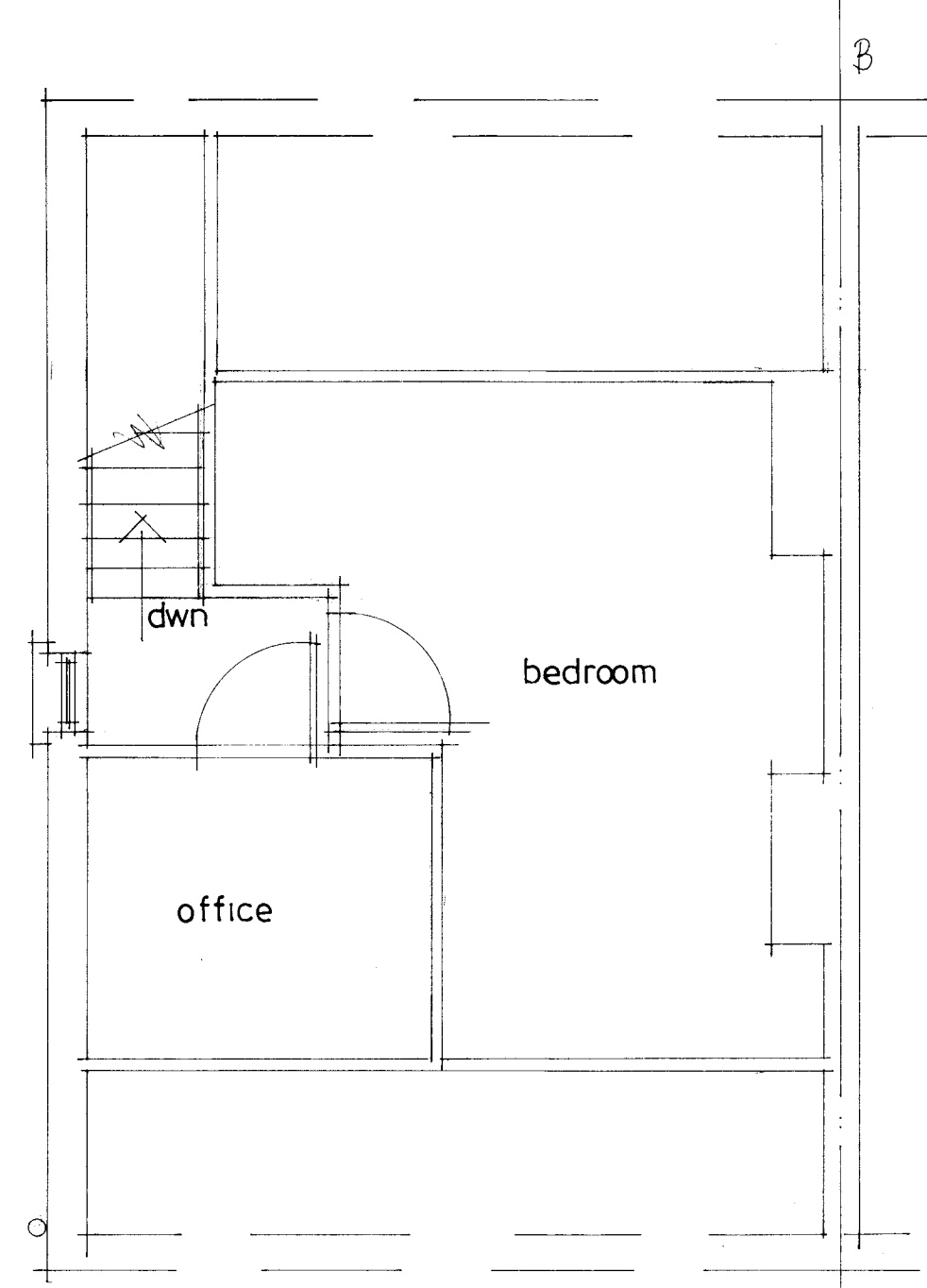




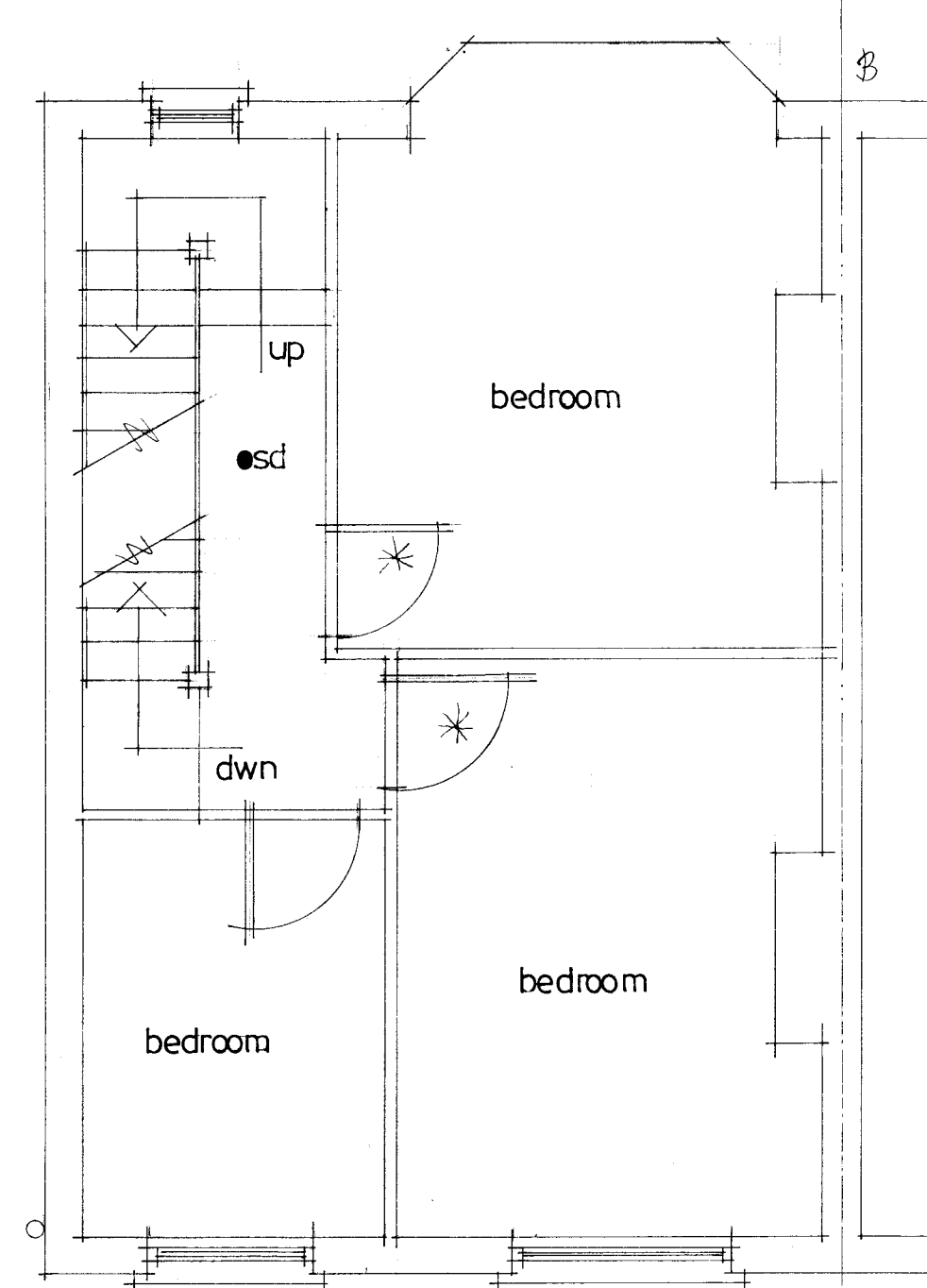
ground floor plan



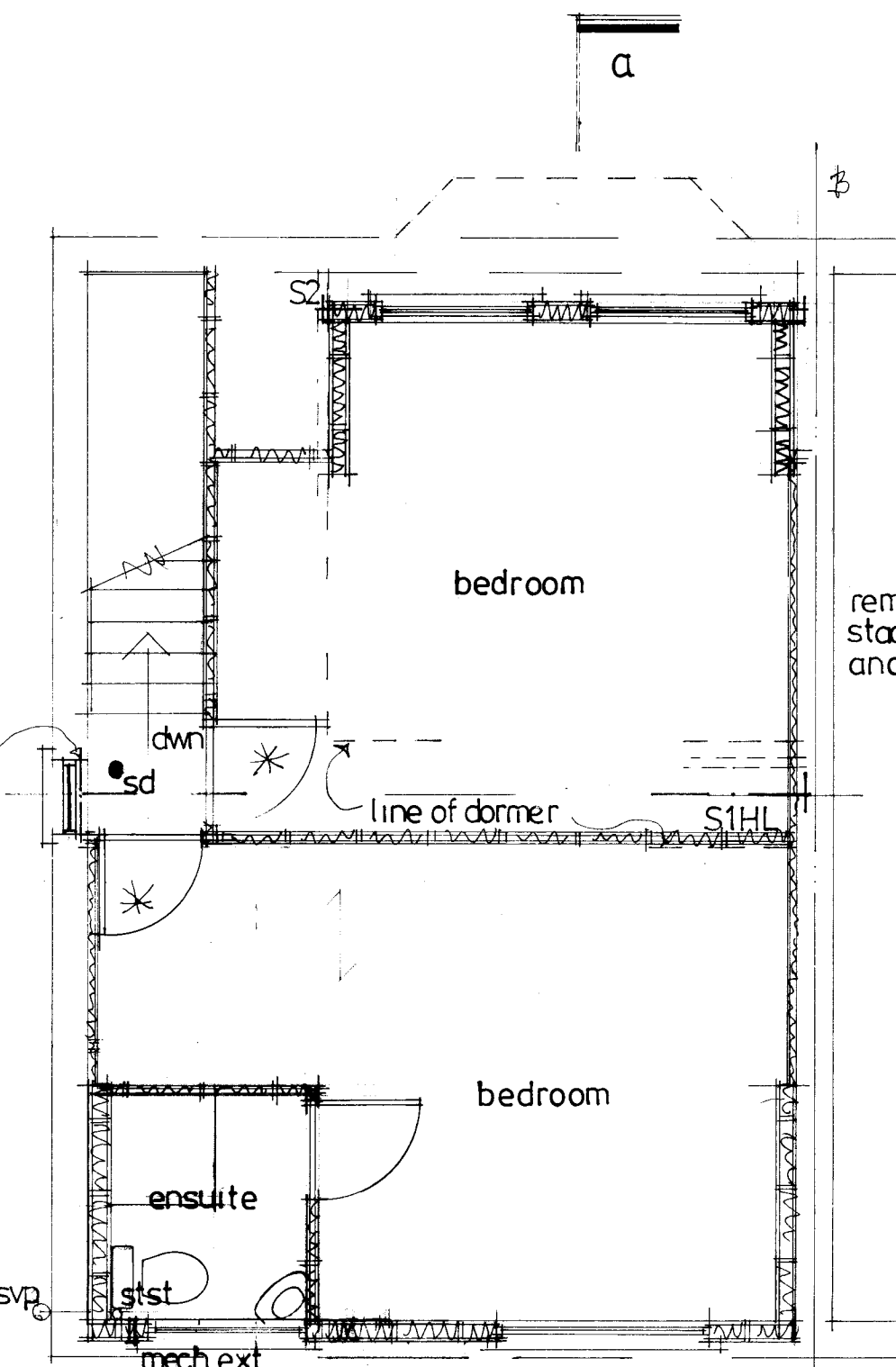
existing first floor



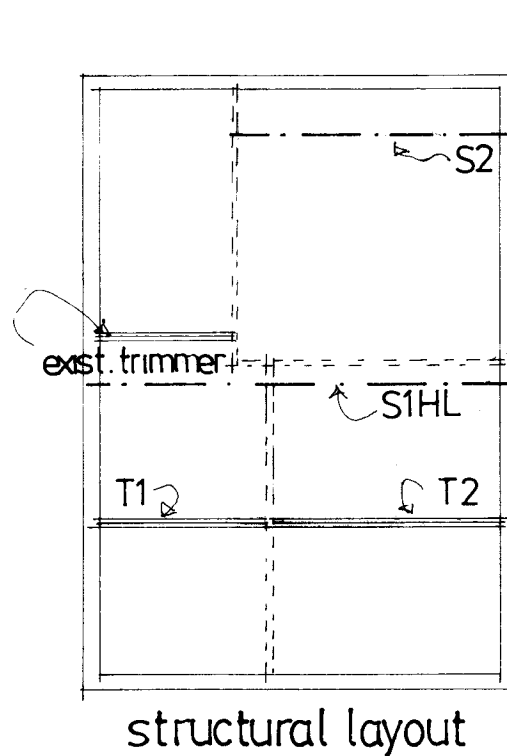
existing roofspace



proposed first floor



proposed roofspace



structural layout

Opening window areas to be minimum 1/20th of enclosed floor areas. All new windows to be fitted with minimum 8000sq.mm. trickle vents per room. Maximum area of double glazed window not to exceed 20% of floor areas

New windows: new double glazed windows to have minimum U value of 1.6w/m²k. Doors to have a min U value of 1.80w/m²k. Toughened glass in glazed doors and windows in critical locations i.e. alongside doors. Seal around window-wall joint with mastic sealant. Double rafters as roof light trimmers if applicable.

Minimum full opening size of escape window 0.33sq.m. min clear dimension of edge 450mm with cill below 110mm from floor and above 800mm.

Fit mechanical extract fans to any new wc and bathroom areas rated at min 15lit/sec

Steelwork: see structural calcs for sizes. Minimum bearing 100mm on concrete padstones, prestressed concrete lintols or metal bearing plates. Encase in minimum two layers 12.5mm plasterboard for half hour fire resistance when fitted at floor levels. Lengths of steels to be site measured to include bearings.

Floor in roofspace: 21mm floor grade tongued and grooved chipboard, 2.3 grade in bathrooms on 50mm x 150mm joists at 400mm centres. Joists to be doubled where under and parallel to partitions over. Solid strut at third centres of joists spanning more than 2.4m. Remaining roof spaces to be floored as main area when joists extend out to outer walls. 'Simpson strongtie' or similar galvanised joist hanger connection to steelwork where applicable. Purpose made ms shoe /hanger where fillet beams join to steelwork or other fillet beams. Fit min 100mm mineral wool batts between joists for sound insulation.

Studwork enclosing stairwell: 12.5mm plasterboard each side of minimum 75 x 50mm studwork with taped and filled joints for minimum half hour fire resistance.

Inner partition: 12.5mm plasterboard each side of minimum 75 x 50mm studwork. Fit 25mm sound insulation quilt between held in place with battens.

Outer studwork: 100x50mm studwork with Celotex GA4075 rigid batts vertically between the studwork flush with outer face of studs (25mm cavity) with Celotex TB4012 batts across the studwork face. Tape and mastic joints. 12.5mm foil back plasterboard finish.

Conversion of existing roofspace: Sloping ceilings. Plant on, or fit alongside existing rafters to achieve 150mm depth. See section for detail. Fit Celotex GA4100 batts between rafters and Celotex TB4035 beneath rafters. 12.5mm foil back plasterboard finish. Maintain 50mm air gap to underside of roof covering.

Dormer walls: tile/ slate hanging on battens and breathable felt on 100mm x 50mm studwork with 12.5mm foil back plasterboard finish over Celotex GA4070 batts between studs flush with outer face of studs (30mm cavity) and Celotex TB4012 across the face of the studs. Tape and mastic joints (12.5mm plasterboard on cheeks where within 100mm of boundary). Also fit 6mm masterboard web under cheek felt where within 100mm of boundary. Triple rafters under cheeks. Sheath with 12.5mm marine ply under felt for additional lateral support.

Dormer warm flat roof: Three layer built up felt to BS747 cp144 p13 on Celotex TB4126 decking on firings and 50mm x 170mm joists at 400mm ctrs. 12.5mm foil back plasterboard ceiling. Seal warm roof from existing vented roof space at join if applicable.

Roof insulation: roof to be insulated with two layers of 150mm fibreglass insulation quilt. One layer laid between ceiling joist and one layer laid over in opposite direction. Maintain roof ventilation with 25mm continuous air to eaves and vent tiles to apex as shown.

Plumbing: all to BS EN 2056 plus approved doc H 38mm diam. wastes from sink, bath and shower. 32mm diam. Waste from wash hand basins, all with rodding access on changes of direction and with deep seal traps. Run to existing/new 100mm diam pvc svp terminating min 900mm above nearest window head and with rodding access at the base.

Extend existing svp into roofspace and terminate with dargo autovent. Or, if no other vent pipe on the drain run, extend svp up and within roof slope to terminate to air min. 900mm above window heads.

Rain water goods: run new 100mm diam pvc rain water guttering and 70mm diam downpipes to existing drainage system.

All new electrical works to be designed, installed, inspected and tested in accordance with BS7671 (IEE 17th Ed) the works are to be undertaken by an installer registered under a suitable self certification scheme or by a suitably qualified person with a certificate of compliance produced to building control upon completion of the works.

Lighting: Fit high efficacy light fittings minimum one per four new fittings. Any recessed ceiling lights to be 30minute fire resisting.

SD @ smoke detectors: fit smoke detector system wired to mains supply and to each other with battery back up system. One per floor minimum. All installed to BS 5839.6.2004 To be over 300mm from doors, walls and light fittings

Party walls: to be lined with 12.5mm foil back plasterboard over Celotex GA4050 insulation batts on 25x50mm battens at 600mm ctrs. (25mm air gap) Tape joints before plasterboarding

Existing gable walls: to be lined with 12.5mm foil back plasterboard over Celotex GA4050 insulation batts on 25x50mm treated battens at 600mm ctrs. (25mm air gap) Tape joints before plasterboarding.

All new radiators to be fitted with TRVs

Any wall or door glazing in the stair enclosure will be upgraded to achieve half hours fire resistance.

*** fit 20/30** rated fire resisting doors with new 25x38mm stops, to all doorways opening onto route of escape (except bathrooms)

Fabrication details to be provided if required by building control.

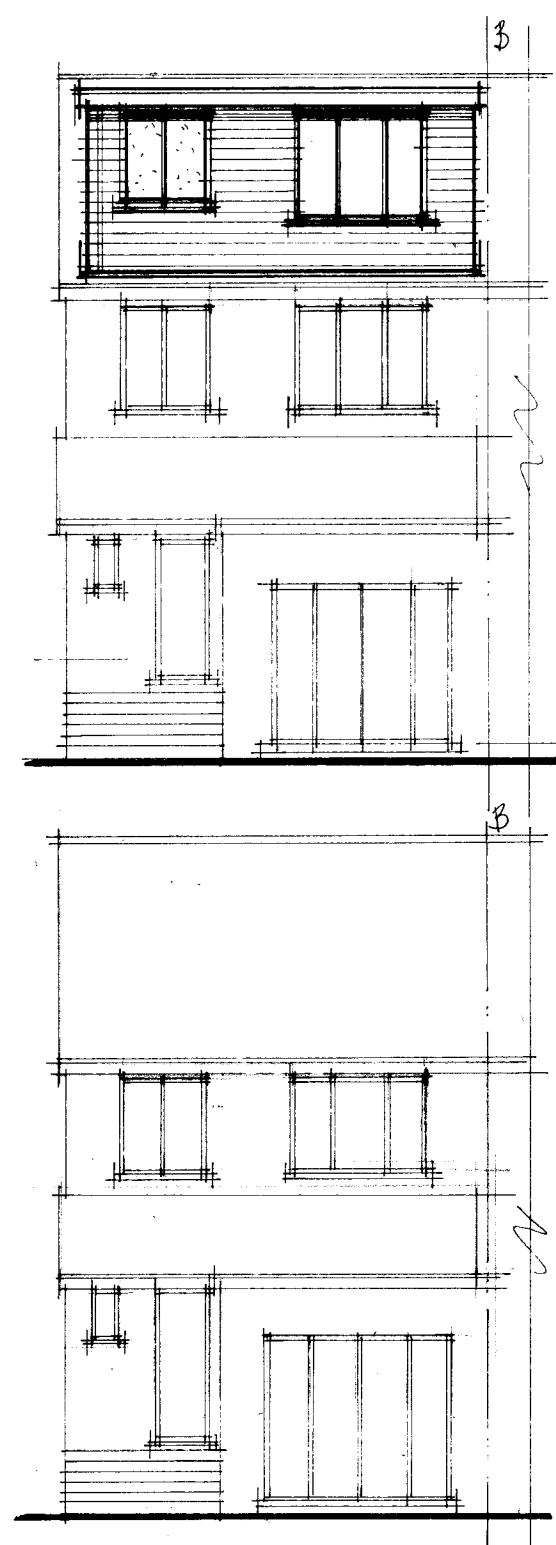
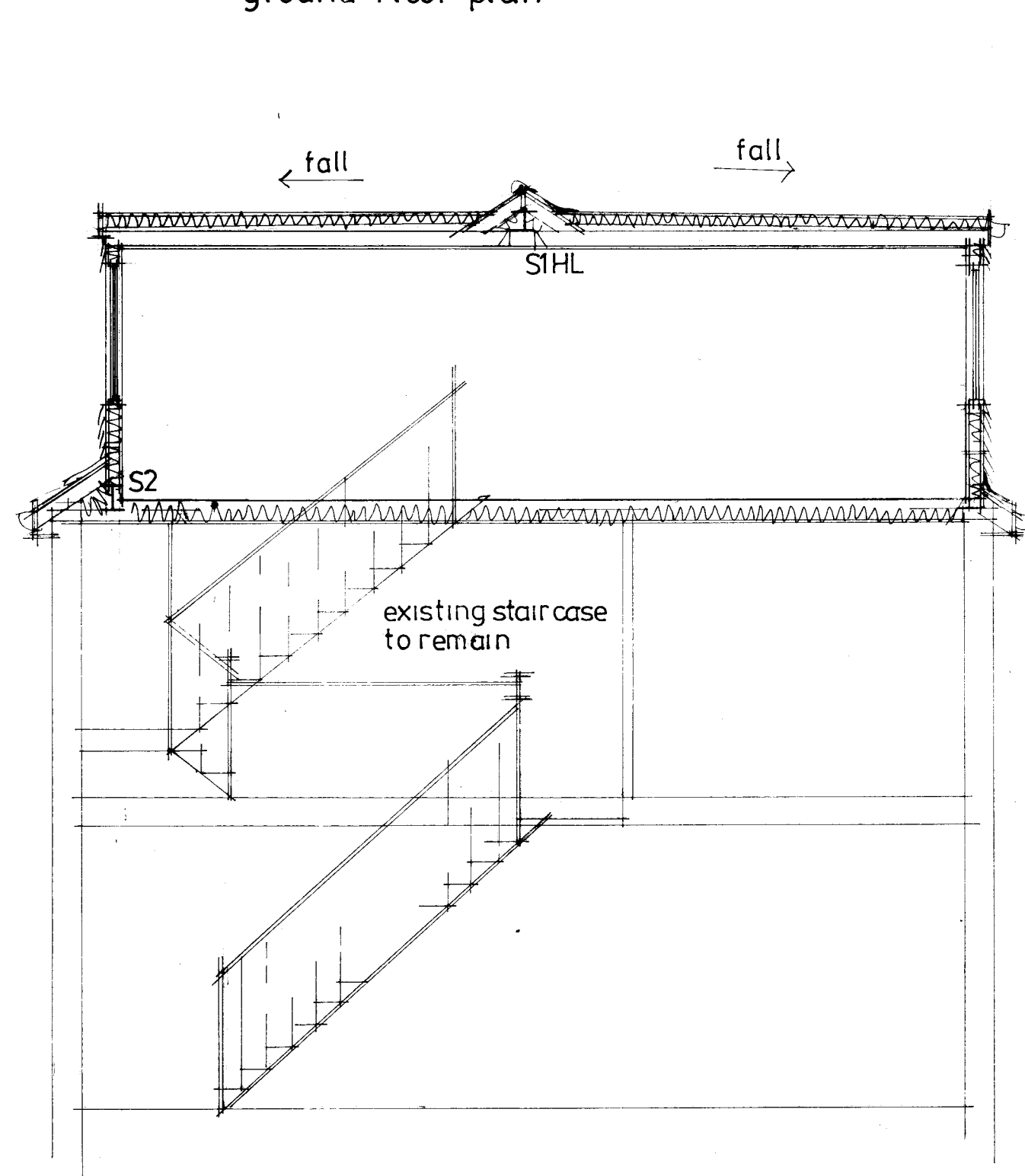
ALL DIMENSIONS TO BE CHECKED ON SITE. ANY DISCREPANCIES ARE TO BE MADE KNOWN TO THE SURVEYOR AS SOON AS POSSIBLE.

SEE STRUCTURAL CALCULATIONS FOR STEEL OR TIMBER DETAILS. THE CONTRACTOR IS TO SITE MEASURE ALL STRUCTURAL MEMBERS AND/OR STAIRCASE, BEFORE ORDERING.

THE PROPERTY OWNERS ARE TO ENSURE THAT ANY/ALL REQUIREMENTS OF THE PARTY WALL ACT ARE COMPLIED WITH. ADVICE CAN BE OBTAINED FROM THE SURVEYOR.

EXISTING LINTOLS AND FOUNDATIONS TO LOADBEARING WALLS TO BE EXPOSED FOR LOCAL AUTHORITY INSPECTION AND APPROVAL AS REQUIRED. NORMALLY AT THE START OF WORKS WHEN DRAINAGE RUNS ARE CHECKED.

CONTRACTOR IS TO CONFIRM THAT ALL NECESSARY LOCAL AUTHORITY APPROVALS HAVE BEEN OBTAINED BEFORE COMMENCING WORKS. COMMENCEMENT OF ANY WORKS PRIOR TO THIS IS ENTIRELY AT THE CLIENTS OR CONTRACTORS RISK. CHANGES TO THE SCHEME CARRIED OUT WITHOUT THE SURVEYORS APPROVAL MAY INVALIDATE THEIR LIABILITY.



existing elevations



proposed elevations

B	FEB 2016	CLIENT AMENDMENTS
A	NOV 2015	CLIENTS AMENDMENTS
	Date	Revision

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THORNS-YOUNG
ARCHITECTURAL

THORNS-YOUNG LTD
CHARTERED BUILDING CONSULTANTS
232 London Road, North End, Portsmouth PO2 9JQ
Tel: (023) 9267 2883 Fax: (023) 9266 3457
Website: www.thornsyounge.co.uk

Client

Mr J Self

Job Title

143 Park Avenue
Widley

Drawing Title

Loft Conversion

Scale 1:100 1:50

Date OCT 2015

Drawn by RN

Drg. No.

8246.15

Rev.

A B