

## APPROVED DRAWING

These drawings have been prepared solely for Planning and Building Regulations approval. The drawings are intended to show the proposed design and must be agreed on site with the Local Building Inspector before works are undertaken.

### FIRE SAFETY

New walls and ceilings to provide 30min separate to adjoining areas  
FC00 to the door with self closing device and fitted with heat activated seals in conjunction with smoke edge seals, stainless steelage and ceiling.  
All new ceilings to be 12.5mm plasterboard with skim finish to give 30min fire protection.  
All new steelwork to be encased in 2 layers of 12.5mm plasterboard to give 30 min fire protection.

A Fire Detection and Alarm System designed and installed in accordance with BS 5839 part 6:2004 comprising Ceiling mounted smoke alarms provided on each floor to BS 5446 part 1:2003, alarm control unit 2000m, and the fire alarm system shall be installed to BS 5839 part 6:2004. All fire alarm components shall be permanently wired to a separate lead circuit at the distribution board. Alarms to be linked together and have a battery back up supply. Provide a fire strategy to discuss.

New FC00 the doors to have a minimum 25mm rebate, an additional 12mm rebate to the top of the door.

**Part 7: Ventilation**  
New FC00 the doors to be provided with mechanical ventilation system and operated by an intermittent timer and light switch with a 20 minute over-run.

**Part 7: Ventilation**  
New FC00 the doors to be ventilated to provide 15litres/second of fresh air, operated by an intermittent timer and humidifier. Over-run to be 20 minutes.

**Part 7: Ventilation**  
Internal rooms to be ventilated to 3 air changes/hr, unless kitchen or bathroom which shall be ventilated to provide 10 air changes/hr. The light switch and over-run for 20 minutes after room has been in use.

### Part 11: Drainage

**Internal**  
Showers, baths and sink waste pipe sets to be fitted with 40mm MR dr' waste pipes to BS 5534, 100mm MR dr' waste pipes to BS 5534 for floor WCs to be fitted with 100mm MR dr' waste pipes. Where 40mm dia' pipes, wastes exceed 3m in length or 20mm dia' wastes exceed 1.7m in length, 40mm and 20mm dia' wastes shall be installed at a gradient of between 1:80(10mm run of pipe). WC 100mm dia' pipes shall be installed at a MR gradient of 1:80(10mm run of pipe). MR gradient shall be as per BS 5534. New FC00 the doors to have a minimum 25mm rebate, an additional 12mm rebate to the top of the door.

### New Ground

New drainage to conform with part H of the Building regulations and BS 5301:1:1985 and to be formed in 100mm dia' (unless otherwise stated) and 100' concrete, with flexible water stop joints, and 150' for final outlets to be laid above all openings where drains run through a wall or floor. Drains to have Class N bedding, consisting of 100mm regular granular material to BS 5301:1:1985 and MR cover of selected fall free from stones or other vegetable matter. Where rigid pipes of less than 150mm dia' have less than 600mm of cover the pipes shall be surrounded with concrete with a thickness of at least the dia' of the pipe.

### Drains under Buildings

Drains under buildings to be surrounded with a MR 100mm granular bedding to BS 5301:1:1985 and to be formed in 100mm dia' (unless otherwise stated) and 100' concrete, with flexible water stop joints, and 150' for final outlets to be laid above all openings where drains run through a wall or floor. Drains to have Class N bedding, consisting of 100mm regular granular material to BS 5301:1:1985 and MR cover of selected fall free from stones or other vegetable matter. Where rigid pipes of less than 150mm dia' have less than 600mm of cover the pipes shall be surrounded with concrete with a thickness of at least the dia' of the pipe.

Where a trench containing a drain is within 7m of the building, fill with concrete to a level equal to the distance from the building to the drains 150mm.

New Maindrain to be constructed in 215mm Class B engineering brickwork to BS 392:1, laid in English bond in 1:3 cement sand mortar (slush bedding) only to BS 5404, be 150mm thick in C20 grade concrete. Cover to inspection chambers less than 900mm deep to be in proprietary polypropylene construction. Inspection chambers in accordance with BS 5911.

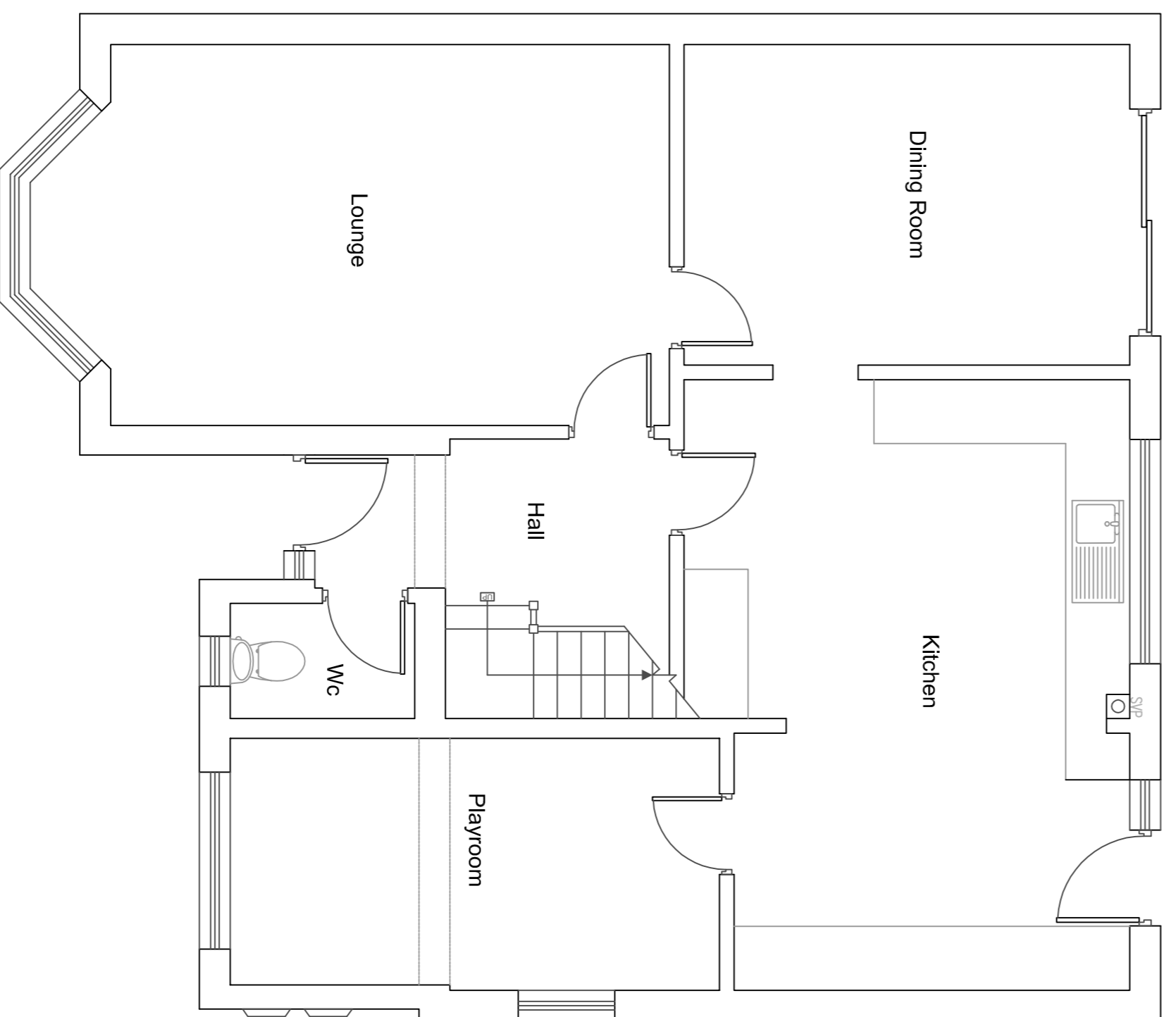
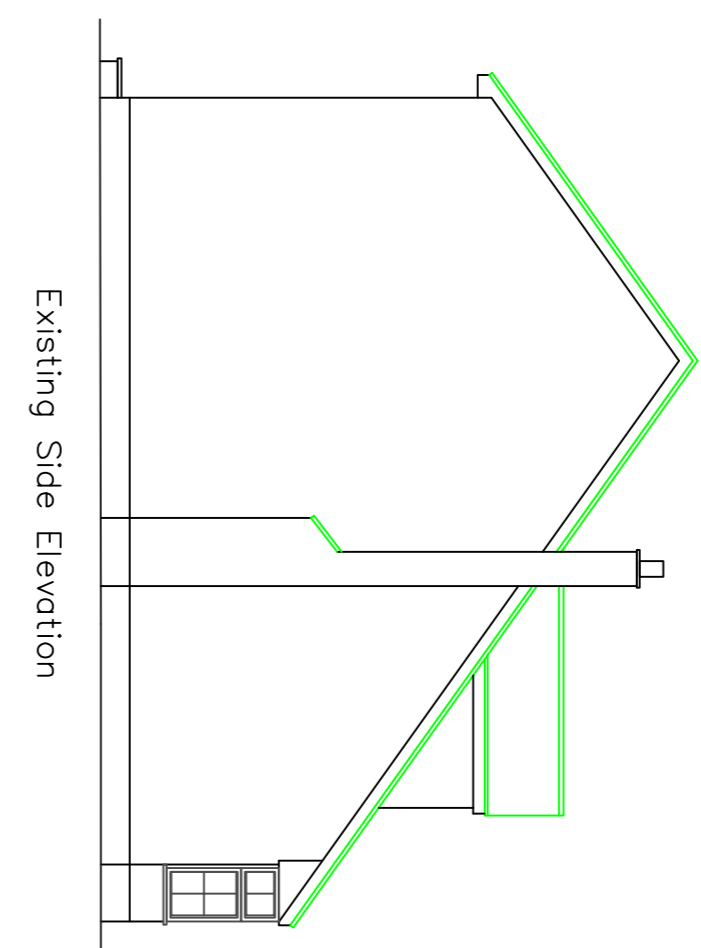
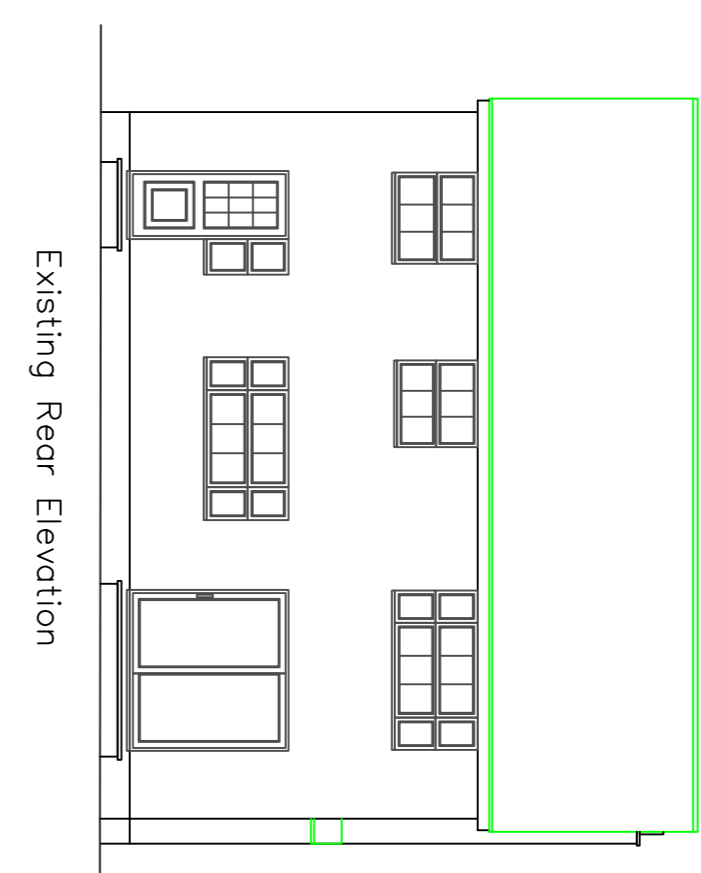
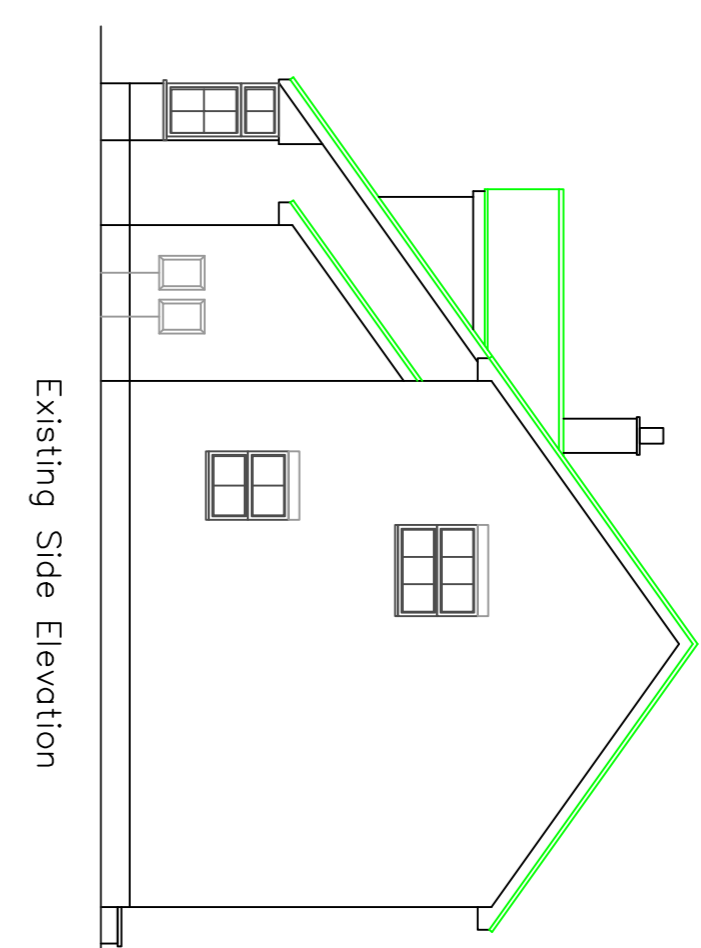
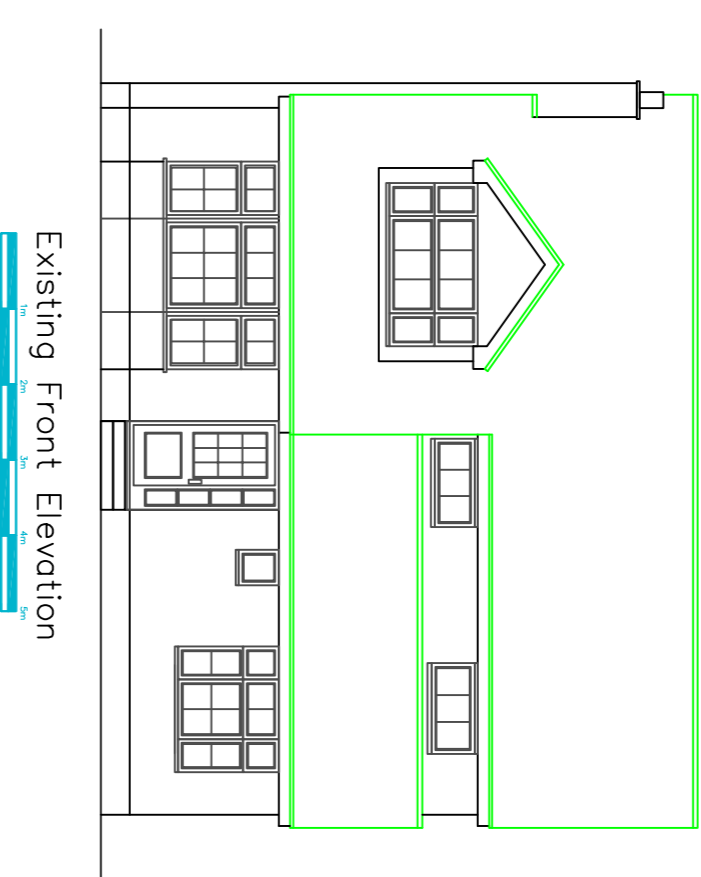
**Part 6: Ventilation**  
Where a trench containing a drain is within 7m of the building, fill with concrete to a level equal to the distance from the building to the drains 150mm.

### Part 3: Combustion Appliances

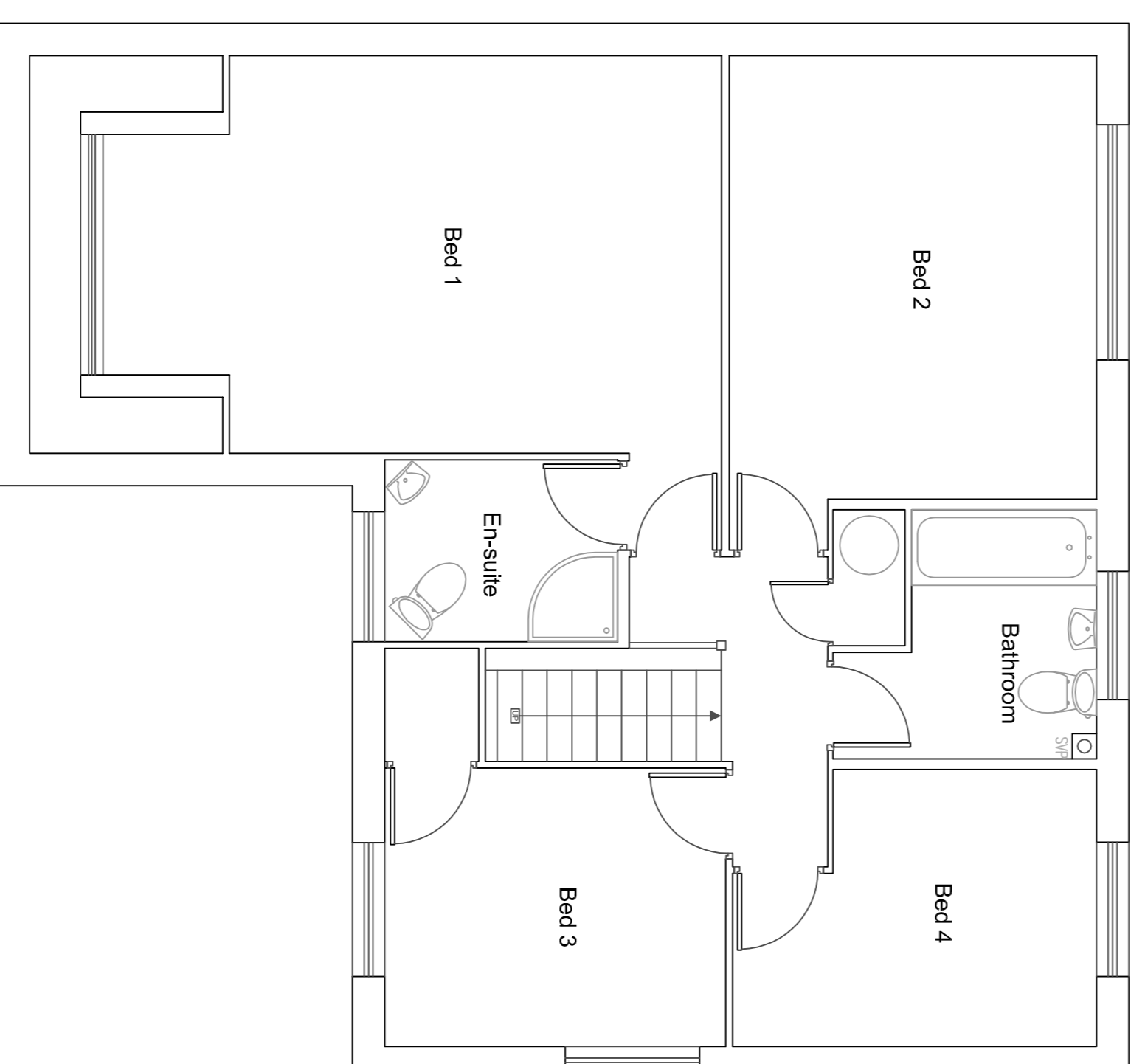
Existing central heating system to be extended into new rooms. All new radiators to have TRVs.  
**Part 3: Combustion Appliances**  
For extensions which create up to 3 new rooms, 1 No Energy efficient light fitting which will only take a lamp having a luminous efficacy greater than 40 lumens per watt must be provided.

New Switching shall have a BS 5283 V value of 91% or more

0.180, 20switched Socket Outlets to be 450mm above Finished Floor level. New light switches to be 1200mm above Finished Floor Level. All as outlined in Approved Document M2, diagrams Z2.



## Existing Ground Floor Plan



## Existing First Floor Plan

## BEFORE WORKS BEGIN

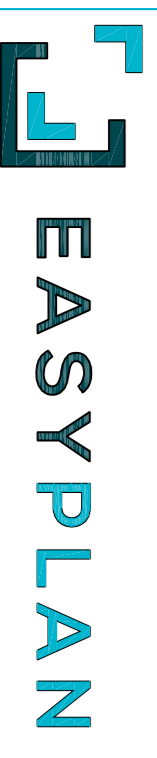
Contractors must verify all dimensions on site before commencing work and amend drawings accordingly. No work shall be undertaken before works are undertaken or materials are ordered.

**PROJECT**  
Proposed Extension  
66 Linthurst Newtown,  
Blackwell, Worcesterhire,  
B60 1BS

**DRAWING**  
Existing Floor Plans & Elevations 3168-01A

SCALE	DATE	DRAWN
1:50/1:100	FEB 2016	DS

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WWW.EASYPAN.LIUK.COM

12 Herilton Terrace, Royal Leamington Spa, Warwickshire, CV32 4LX