

**FIRE PROTECTION LEGEND**

- (M) MAINS OPERATED HEAT DETECTOR
- (S) MAINS OPERATED SMOKE DETECTOR
- (E) EMERGENCY LIGHT FITTING
- (E) WALL MOUNTED EMERGENCY LIGHT FITTING

--- 60 MIN PARTITION  
 - - - 30 MIN PARTITION

Linked fire detectors to landings to be fitted and linked to a fire alarm panel inside ground floor entrance. All smoke detectors to have integral 65dB sounders All emergency lighting to comply to BS5266 and the Health and Safety (Safety Signs and Signals) Regs

Fire detection and alarm system to comply to BS5839  
 Self contained smoke detectors to comply to BS5839  
 PFD (Domestic smoke detection) Grade D, Category LD2

Stairs and common lobbies to have fireings designated as Class 1 under section 6 of Approved Document B, all other walls and ceilings are to be Class 1

**VENTILATION LEGEND**

- (V) 15 L/sec extract fan
- (V) 30 L/sec over hob extract ventilation

Bathroom: Extract fans to be equipped with 15 minute over-run operated off lightswitch.

Kitchen: Extract fans to be rated at 30L/sec when sited adjacent to hob, and 60L/sec when sited elsewhere

Habitable room ventilation requirements:  
 8000 mm<sup>2</sup> background ventilation, and opening lights equal to 5% of the floor area.

Submit details of closing devices to the District Surveyor

Submit details of impact and airborne sound resistance, including manufacturers compliance documentation to the District Surveyor.

All certificates sent to Building Control pertaining to installation of the fire alarm systems, emergency lighting and electrical installations and compliance to the relevant British Standards must be signed by either:  
 A corporate member of the I.E.E., or  
 A contractor currently enrolled with the:  
 a) N.I.C.E.I.C.  
 b) The Electrical Contractors Association

The pipes, fittings and joints should be capable of withstanding an air or smoke test of positive pressure of at least 38mm water gauge for at least 3 minutes. Every trap should maintain a water seal of at least 25mm. Smoke testing is not recommended for uPVC pipes.

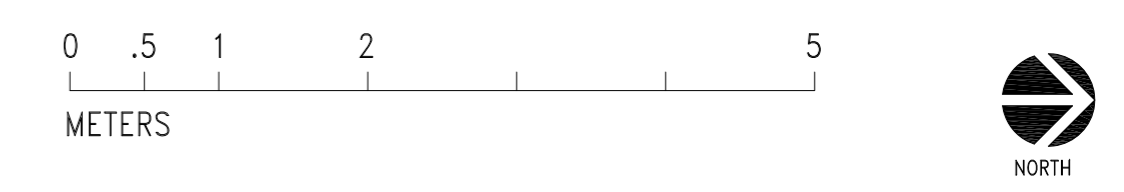
Controls and insulation to the space heating system should be installed in accordance with paragraphs 2.27 to 2.41 of Approved document L.

The Building Control Officer should witness the tests of  
 a) Fire Alarm System  
 b) Escape Lighting  
 c) SVP and Stack tests

--- proposed drainage runs

**HEAT LOSS**

| Item  | Threshold | Improved |
|---|-----------|----------|
| New double glazed timber windows to achieve U-value of 2.0 W/m <sup>2</sup> K | 0.70      | 0.55     |
| New cavity walls to achieve U-value of 0.17 W/m <sup>2</sup> K                | 0.70      | 0.30     |
| New pitched roof to achieve U-value of 0.18 W/m <sup>2</sup> K                | 0.70      | 0.25     |
| New ground floor slab to achieve U-value of 0.17 W/m <sup>2</sup> K           | 0.35      | 0.16     |
| New external doors to achieve U-value of 1.8 W/m <sup>2</sup> K               | 0.35      | 0.18     |
| Upgrading retained thermal elements   | 0.70      | 0.55     |
| Wall - cavity insulation  | 0.70      | 0.30     |
| Wall - external or internal insulation  | 0.70      | 0.25     |
| Floor   | 0.70      | 0.25     |
| Pitched roof - insulation at ceiling level                                    | 0.35      | 0.16     |
| insulation between rafters  | 0.35      | 0.18     |
| Flat roof or roof with integral insulation                                    | 0.35      | 0.18     |



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| REVISIONS: |   | Date:   | Rev: | Note:                                  | Chk: | Date:    | Rev: | Note:                   | Chk: |
|------------|---|---------|------|--|------|----------|------|-------------------------|------|
| 9.4.16     | A | 28.2.17 | E    | Front planter changed, rooflight moved |      | 26.01.17 | J    | Glass extension changes |      |
| 18.4.16    | B | 16.5.17 | G    | Gate added                             |      |          |      |                         |      |
| 12.6.16    | C | 21.5.17 | H    | Neighbours lightwell shown             |      |          |      |                         |      |
| 20.1.17    | D | 15.6.17 | I    | Building Control Submission            |      |          |      |                         |      |

|           |                         |         |
|-----------|-------------------------|---------|
| STATUS:   | BUILDING CONTROL        |         |
| TITLE:    | UPPER GROUND FLOOR PLAN | 12.6.16 |
| SCALE:    | 1:50 AT A2              | REV:    |
| DWG. NO.: | AL(0)002                | J       |