

First Floor Layout

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Section 21.0 - ELECTRICAL INSTALLATION:

All electrical work required to meet the requirements of Part P (Electrical Safety) must be designed, installed, inspected & tested by a person competent to do so.

Prior to completion the Council should be satisfied that any such work (other than that defined as Minor Work) complies with Part P this will require an appropriate BS7671 Electrical installation Certificate to be issued for the work by a person authorised to do so. (ie a person who is registered under a recognised competent persons Scheme for self certification (Full Competence – BRE Certification Ltd, BSI Kitemark , ELECSA Ltd, NAPIT Certification Ltd, & NICEIC Certification Services Ltd – Defined competence CORGI Services Ltd & OFTEC)

Information shall be provided so that persons wishing to operate, maintain or alter an electrical installation can do so with reasonable Safety.

Minor Work as defined under Part P - work not involving the addition of a new circuit and not in a special location or installation, ie addition of socket outlets or electrical points to existing circuits, replacement or outlets and accessories. In order to comply with Part P the electrician carrying out the work who need not be registered with a self certification scheme, must provide the householder with a minor works certificate. He must however be competent in testing in accordance with BS7671 (ie possess an appropriate City & Guilds qualification) DIY minor works must be checked by a competent electrician who can issue a minor works certificate.

21.1 Electrical layouts shown are schematic only and shall be in strict accordance with BS 7671 (Formerly the IEE wiring Regulations) for Electrical Installations, all relevant. Codes of practice and the relevant Electricity Board requirements. All kitchen switches to be marked "Fan", "Cooker", "Fridge, Washing Machine", "Hob" etc.

21.2 LIGHTING: In Accordance with Domestic Building Compliance Guide -2010 New & extended dwellings (areas affected by building work) to contain a certain number of light fittings, that only accept low energy lamps. Low energy light fittings should have lamps with a luminous efficacy greater than 45 lamp lumens per circuit-watt & a total output greater than 400 lamp lumens.

Light fittings may be either - dedicated fittings which will have separate control gear & will only take low energy lamps such as pin based fluorescent lamps or compact fluorescent lamps or standard fittings supplied with low

energy lamps with integrated control gear such as bayonet or edison screw based compact fluorescent lamps. Light fittings with GLS tungsten filament lamps or tungsten halogen lamps would NOT meet the standard

Light fittings whose supplied power is less than 5 circuit-watts are excluded from the overall count of light fittings

Reasonable provision would be to provide in the areas affected by the building work, provide low energy light (fixed lights or lighting units ) that number not less than 75% of all fittings or 3 per 4 of all the light fittings in the main dwelling spaces of those areas. (Excluding infrequently accessed spaces used for storage, such as cupboards and wardrobes)

External lighting fixed to a dwelling to be automatically controlled. (Includes lighting in porches, but not garages and carports) either by PIR or dusk to dawn on low energy fitting.

21.2.1 RECESSED DOWNLIGHTERS:

Insulation shields / support boxes/ loft caps (AICO LTD Tel :- 0870 7584000) or fire resistant fully sealed units required to all recessed light Fittings / down lighters within ceiling / roof voids to provide thermal & vapour transmission Seal & maintain sufficient air space around the fitting (min 100mm around & 75mm over) in order to dissipate heat generated by lamps & reduce risk of fire through heat build up & to allow continuous floor / roof insulation to be laid directly over light fittings without overheating or damage to the fitting.

Where recessed downlighters are provided within floors that provide 30 minutes fire resistance then downlighter units to be 30min fire rated to BS 476 pts 20 & 21, must not effect the fire integrity of the floor construction & provide air leakage not exceeding 0.006m/3 hour per m/2 of ceiling area at pressure of 2 pa. Downlighters over bath or shower tray to be IP76 rate. elsewhere IP44. Saunas & wet rooms IP65

21.3 SWITCH MOUNTING POSITIONS: Wall switches 1200mm above ffl

600mm above ffl Sockets spurs in kitchens 150mm above worktop Cooker control units

150mm min above worktop & 300mm to side of space BT & TV outlets 600mm above ffl Cooker, Fridge and Washer outlets 450mm above ffl

Ceiling light pendant 2100mm above ff Consumer unit

21.4 LIGHTNING CONDUCTORS:

Lightning conductors to be provided & installed all in accordance with the relevant provisions BS 6651: 1992 CODE OF PRACTICE FOR PROTECTION OF STRUCTURES AGAINST LIGHTNING.

21.5 ELECTRICITY SUPPLY: 240v, single phase, 50HZ.

21.6 METERING EQUIPMENT: Local electricity board supply.

21.7 METER CUPBOARDS: To electricity board approval and as shown on the layout drawings.

21.8 ISOLATOR:

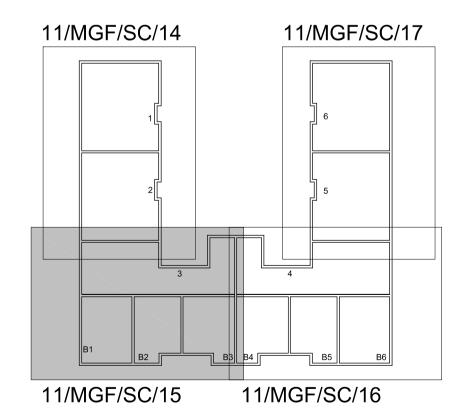
Provided where the electricity board's maximum permissible distance between the meter and the consumer unit is

21.9 IMMERSION HEATER: Provide immersion heater with neon indicator switch outside cupboard, or positioned adjacent central heating

programmer within kitchen or utility room.

A TV aerial outlet shall be installed complete with coaxial cable to loft or aerial to positions shown. 21.11 TELEPHONE:

A telephone outlet shall be provided, to British Telecom approval terminated internally.



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DRAWING TITLE FIRST FLOOR LAYOUT UNITS R1 & R2

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