

SCALE

**SMOKE DETECTION**

Mains operated linked smoke alarm detection system to BS EN 14604 and BS 5839-6:2019 to at least a Grade D category LD3 standard to be mains powered with battery back up to be placed on each storey with an additional interlinked heat detector at ceiling level in kitchens if required by BCO. Smoke alarms should be sited so that there is a smoke alarm in the circulation space on all levels/ storeys and within 7.5m of the door to every habitable room. If ceiling mounted they should be 300mm from the walls and light fittings. Where the kitchen area is not separated from the stairway or circulation space by a door, there should be an interlinked heat detector in the kitchen.

**MEANS OF ESCAPE ESCAPE WINDOWS**


Provide emergency egress windows to any newly created first floor habitable rooms and ground floor inner rooms. Windows to have an unobstructed openable area that complies with:  
 - minimum height of 450mm and minimum width of 450mm.  
 - minimum area 0.33m<sup>2</sup>.  
 - the bottom of the openable area should be not more than 1100mm above the floor.  
 The window should enable the person to reach a place free from danger from fire.

**MEANS OF ESCAPE - 2 STOREY HOUSE (Fire doors)**

Form a protected escape stairway by providing half hour fire resistance to all partitions as well as floors and ceilings above and below rooms. Stairway to be protected at all levels - from the loft room/rooms then leading directly to an external door at ground level (no inner rooms allowed). All doors on to the stairway must be FD20 rated fire doors to BS 476-22:1987 or the European equivalent BS EN 1634 (fitted with intumescent strips rebated around sides & top of door or frame if required by BCO). Where applicable, any glazing in fire doors to be half hour fire resisting and glazing in the walls forming the escape route enclosure to have 30 minutes fire resistance and be at least 1.1m above the floor level or stair pitch line.

**INTERNAL STUD PARTITIONS**

100mm x 50mm softwood treated timbers studs at 400mm cts with 50 x 100mm head and sole plates and solid intermediate horizontal noggins at 1/3 height or 450mm c/cs. Provide min 10kg/m<sup>3</sup> density acoustic soundproof quilt tightly packed (eg. 100mm Rockwool or Isowool mineral fibre sound insulation) in all voids the full depth of the stud. Partitions built off doubled up joists where partitions run parallel or provide noggins where at right angles. Walls faced throughout with 12.5mm plaster board with skim plaster finish. Taped and jointed complete with beads and stops.

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	<p>CDM Regulations 2007. Party Wall Act 1996, Clients and contractors are reminded that the project is within the scope of these regulations MBL Associates Ltd engaged as designers will not accept any liability for failure of these parties to carryout their duties as required by these statutes</p>	<p>ALL STRUCTURAL INFORMATION TO BE IN CONNECTION WITH STRUCTURAL ENGINEERS CALCULATION AND DRAWINGS</p> <p>COPYRIGHT MBL ASSOCIATES LIMITED</p>		<p><b>Scale:</b></p> <p>1:50 @ A3</p>	<p><b>Date:</b></p> <p>18/01/2024</p>
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