STATUTORY INSTRUMENTS

1967 No. 1136 (S. 94)

BUILDING AND BUILDINGS

The Building Standards (Scotland) Amendment Regulations 1967

Made - - -	*24th July* 1967
Laid before Parliament	10*th August* 1967
Coming into Operation	1*st September* 1967

In exercise of the powers conferred on me by sections 3 and 24 of, and Schedule 4 to, the Building (Scotland) Act 1959(a), and of all other powers enabling me in that behalf, and having complied with the provisions of section 3(6) of that Act, that is to say—

(*a*) having consulted the Building Standards Advisory Committee as to the contents of the proposed regulations, and

(*b*) having published a draft of the proposed regulations together with a notice stating that representations as to the draft may be lodged with me in the manner and within the time stated in the notice, and

(*c*) having considered the representations duly lodged (no person having required the holding of a public inquiry), and

(*d*) having consulted the Building Standards Advisory Committee as to the alterations that I proposed to the said drafts,

I hereby make the following regulations:—

1.—(1) These regulations may be cited as the Building Standards (Scotland) Amendment Regulations 1967, and the Building Standards (Scotland) Regulations 1963(b) and the Building Standards (Scotland) Amendment Regulations 1964(c) and these regulations may be cited together as the Building Standards (Scotland) Regulations 1963 to 1967.

(2) These regulations shall come into operation on 1st September 1967.

2.—(1) In these regulations, unless the context otherwise requires—

(*a*) "the principal regulations" means the Building Standards (Scotland) Regulations 1963, and other words and expressions have the same meanings as in the principal regulations;

(*b*) any reference to a Part, regulation or Schedule shall be construed as a reference to a Part or regulation of, or Schedule to the principal regulations and any reference to a numbered Table shall be construed as a reference to a Table in Schedule 8 to the principal regulations.

(2) References in these regulations to any regulation shall be construed as a reference to that regulation as amended by any subsequent regulations, including these regulations.

(a) 1959 c. 24.
(b) S.I. 1963/1897 (1963 III, p. 3534).
(c) S.I. 1964/802 (1964 II, p. 1700).

(3) The Interpretation Act 1889(a) shall apply for the interpretation of these regulations as it applies for the interpretation of an Act of Parliament.

3. In regulation 2(1)—

(*a*) after the definition of " caravan " there shall be inserted—

' "carport" means a building used for the storage of a motor vehicle or vehicles and having a roof and having or being bounded by not more than two walls;';

(*b*) after the definition of "cavity wall" there shall be inserted—

' "chalet" means a house which is used and occupied—

(*a*) only for holiday or recreational purposes, and

(*b*) not as a permanent dwelling;';

(*c*) after the definition of "house" there shall be inserted—

' "instantaneous water heater" means an appliance designed to burn only gaseous fuel and to heat water, having no storage capacity for water therein;';

(*d*) after the definition of "office premises" there shall be inserted—

' "open access balcony", in relation to a house, means a balcony giving access to any house or common service area having therein an opening or openings to the external air, which, excluding any structural columns, extend throughout the length and to an aggregate of more than one-third of the height of the balcony;';

(*e*) after the definition of " site " there shall be inserted—

' "socket outlet" means a fixed device containing metal contacts for the purpose of connecting to a supply of electricity the corresponding metal contacts of a plug attached to any current using appliance; and

"multiple socket outlet" means a fixed device containing metal contacts for the purpose of connecting to a supply of electricity the corresponding metal contacts of 2 or more plugs each of which is attached to a current using appliance;';

(*f*) for the definition of "storage water heater" there shall be substituted—

' "storage water heater" means an appliance designed to burn only gaseous fuel and to heat water, having storage capacity for water therein;';

(*g*) in the definition of "washroom" for the word "room" there shall be substituted the words "enclosed part of a storey";

(*h*) after the definition of "washroom" there shall be inserted—

' "water service pipe" means so much of any pipe for supplying water from a main to any premises as is subject to water pressure from that main or would be so subject but for the closing of some stop valve, stopcock or tap;';

(*i*) in the definition of "watercloset" for the words "a room" there shall be substituted the words "an enclosed part of a storey".

4. In regulation 3(3), after the definition of "common" there shall be inserted—

' "occupier", in relation to any house on land to which this regulation applies, means the person inhabiting the house and "occupation" shall be construed accordingly;'.

(a) 1889 c. 63.

5. In regulation 4—

(*a*) before the words "In these" there shall be inserted "(1)";

(*b*) at the end there shall be added the following paragraph—

"(2) In a room, as defined in regulation 2, where areas thereof are used or intended to be used as any combination of the following, namely, kitchen, utility room or living room, each such area shall be deemed to be a separate room for the purposes of Parts X, XI and XV.".

6. In regulation 5, for paragraph (2) there shall be substituted the following paragraph—

"(2) Any occupancy use which falls within any of the numbered heads of classification of industry set forth in column (4) of Schedule 2 shall be deemed to form part of the relevant occupancy sub-group—

(*a*) the reference to numbered heads of classification of industry being a reference to the heads set forth in the Standard Industrial Classification issued by the Central Statistical Office on 5th August 1958, and

(*b*) any such reference shall include that part of the numbered head appropriate to that occupancy sub-group.".

7. In regulation 15(1), in sub-paragraph (*a*), for "1949" there shall be substituted "1964".

8. In regulation 18, after "1958" there shall be inserted "and Amendment PD 5516, April, 1965".

9. In regulation 22, for paragraph (2) there shall be substituted—

"(2) The provisions of regulations 24 to 38, unless specifically provided for by regulation 39A, 40 or 41, shall not apply to—

(*a*) any garage, or any building ancillary to a house, to which regulation 39A or 40 applies:

(*b*) a building comprising only a tank for the storage of fuel oil, or erected solely for housing such a tank, being a tank or building to which regulation 41 applies."

10. In regulation 27, in sub-paragraph (ii) of the proviso, there shall be deleted the words "wholly within one compartment" and for the word "building" there shall be substituted the words "house in occupancy sub-group A2, not being a flat,".

11. In regulation 28—

(*a*) in paragraph (1) at the end of the proviso, there shall be inserted the following sub-paragraph—

"(iii) prevent vertical separation between the divisions of the building by means of a combination of fire division walls and compartment floors.";

(*b*) in paragraph (4), in the proviso, after the word "mortar" where it occurs there shall be inserted the words "or other not less suitable material".

12. In regulation 30(1), for the words "unless the ceiling is of jointless construction with no openings therein" there shall be substituted— "unless the ceiling—

(*a*) is of jointless construction with no openings therein, or

(*b*) is designed and constructed in accordance with the provisions of Schedule 4A.".

13. In regulation 37(2), in sub-paragraph (*a*), for "C3 or D2" there shall be substituted "C3, D2 or D3".

14. In regulation 38, at the end there shall be inserted the following paragraph—

"(6) Nothing in this regulation shall apply to a wall-head fascia, soffit or barge board."

15. After regulation 39 there shall be inserted the following regulation— "**Special provisions as to certain groups of garages.*

39A.—(1) Every garage, used solely for the storage or parking of motor vehicles, and having an area not exceeding 200 square feet, or a group of 2 or more such garages to be built on a site reserved for the erection of such garages shall comply with the following provisions of this regulation.

(2) For the purpose of regulation 37, a group of not more than 24 garages shall be deemed to form a single building on land in the same occupation having sides with openings therein equal to the aggregate area of the sides of the individual garages facing the boundary:

Provided that nothing in this paragraph shall prohibit a garage being sited on the boundary or within a distance of the boundary less than that required by regulation 37 (or limit the number in a group of such garages), if the sides facing the boundary have no openings, are constructed of non-combustible materials which have a period of fire resistance of not less than one-half hour and if the garage has a roof designated AA, AB or AC.

(3) Notwithstanding anything in this regulation a garage or group of garages may be erected in accordance with regulations 24 to 38.".

16. For regulation 40 there shall be substituted the following regulation—

"*Special provisions as to certain small garages, carports, garden huts, greenhouses and other buildings ancillary to houses.*

40.—(1) Every garage, carport, garden hut, greenhouse or other building ancillary to a house, the area of which does not exceed 400 square feet and which either—

(*a*) forms part of or is attached to any building, not being a block of flats, in occupancy sub-group A1 or A2, or

(*b*) is a detached building erected on an area of land all in the same occupation and on another part of which there is erected a building, not being a block of flats, of either of those occupancy sub-groups

shall comply with the following provisions of this regulation.

(2) Every garage to which paragraph (1)(*a*) of this regulation applies shall be so constructed that—

(*a*) the wall separating the garage from the remainder of the building or from the building to which it is attached, is a fire division wall having

a period of fire resistance of not less than one hour, and in which any opening giving access to the building is protected by a door—

(i) which is a fire-check door within the meaning of proviso (i) to regulation 28(6) and with its frames and surrounds has a fire resistance of not less than one-half hour, and

(ii) the foot of which is not less than 4 inches above the floor of the garage:

Provided that between the foot of the door and the floor of the garage there shall be an upstand not less than 4 inches in height;

(*b*) where the roof of a garage attached to the building is lower than the lowest part of the roof of the building on that side, the roof of the garage is designated AA, AB or AC;

(*c*) where there is living accommodation above the garage—

(i) the floor of the living accommodation has a period of fire resistance of not less than one hour, and

(ii) the external walls of the garage are non-combustible, and

(iii) the ceiling of the garage is of jointless non-combustible construction;

(*d*) where there is living accommodation below the garage the floor of the garage is of solid non-combustible construction and has a fire resistance of not less than one hour.

(3) No garage to which paragraph (1)(*b*) of this regulation applies, shall be nearer to the building second referred to in the said paragraph (1)(*b*) than 10 feet:

Provided that nothing in this paragraph shall require a garage, the roof of which is designated AA, AB or AC, to be situated at a distance greater than 3 feet 6 inches from any external wall of the building if either of the following conditions is satisfied—

(i) in relation to any part of the external wall which is within 6 feet of the garage—

(A) such part is non-combustible or has an external facing of non-combustible material, and

(B) such part has a period of fire resistance of not less than one-half hour, and

(C) any opening in such part, other than such an opening as is specified in regulation 37(4)(*a*), is protected by a fire-check door within the meaning of proviso (i) to regulation 28(6); or

(ii) in relation to the wall of the garage adjacent to the building—

(A) such wall is non-combustible or has an external facing of non-combustible material, and

(B) such wall has either an internal lining of Grade A as specified in regulation 57 or a period of fire resistance of not less than one-half hour, and

(C) any opening in such wall, not being a permanent ventilator having a cross-sectional area not exceeding 10 square inches, is protected by a fire-check door within the meaning of proviso (i) to regulation 28(6) which, with its frames and surrounds, has a period of fire resistance of not less than one-half hour.

(4) No part of the external wall of a garage to which this regulation applies shall be nearer to the boundary than 7 feet:

Provided that nothing in this paragraph shall—

(i) prohibit the wall being situated on the boundary if—

(A) the external wall of the garage satisfies the requirements of this Part for a separating wall having a period of fire resistance of not less than one hour, and

(B) if the garage is not set off, the roof thereon is designated AA, AB or AC;

(ii) require the wall to be situated at a distance from the boundary greater than 1 foot 6 inches if the garage is set off;

(iii) require the wall to be situated at a distance from the boundary greater than 3 feet 6 inches if—

(A) the external wall of the garage adjacent to the boundary satisfies condition (ii) of the proviso to paragraph (3) of this regulation, and

(B) the roof of the garage is designated AA, AB or AC.

(5) Any reference in the last foregoing paragraph of this regulation to a garage which is set off shall be construed as a reference to a garage which is either not less than 10 feet behind the back wall or not less than 10 feet in front of the front wall of the building second referred to in paragraph (1)(*b*) of this regulation.

(6) For the purposes of this regulation—

(*a*) any reference to "garage" shall include a reference to " carport, garden hut, greenhouse or other ancillary building not being a sun porch or sun lounge";

(*b*) any side or part thereof of a carport which is not enclosed by a wall shall not be considered as an opening.

(7) Nothing in this regulation shall—

(*a*) prohibit the erection of a carport, not forming part of a building of occupancy sub-group A1 or A2, on any part of land in the same occupation as such a building, where—

(i) the roof of the carport at no part covers or is within a horizontal distance of 3 feet 6 inches from any window or door in the aforesaid building, unless, in the case of a door, the door is a fire-check door within the meaning of proviso (i) to regulation 28(6), which, with its frames and surrounds, has a period of fire resistance of not less than one-half hour, and

(ii) the walls bounding the carport are constructed—

(A) of non-combustible materials, or

(B) of materials having a fire resistance of not less than one-half hour."

17. For regulation 41, there shall be substituted the following regulation—

" * *Fuel oil storage tanks*

41.—(1) This regulation shall apply in relation to every tank having a capacity of not less than 20 gallons, used for storing fuel oil and connected to one or more appliances the principal use of which is to afford space heating, water heating or cooking facilities within one or more buildings (hereinafter in this regulation referred to as "the building"), not being a building to which the Factories Act 1961(a) applies:

(a) 1961 c. 34.

Provided that nothing in this regulation shall apply to any tank serving an appliance the principal use of which forms part of an industrial or manufacturing process.

(2) The tank shall, if—

(*a*) within or forming part of a building ; or

(*b*) of a capacity exceeding 275 gallons and neither within nor forming part of a building—

be provided with an oil-tight catchpit of sufficient size to receive and contain the total capacity of the tank, plus one-tenth:

Provided that nothing in this paragraph shall require the provision of a catchpit in the case of a tank which is neither within nor forms part of a building and is—

(i) underground, or

(ii) of a capacity exceeding 275 gallons, but not exceeding 750 gallons,

if there is no danger of the contents of the tank contaminating—

(A) any drains, sewers or water supply, or

(B) any land in different occupation or buildings erected thereon.

(3) If the tank is within or forms part of a building—

(*a*) the tank shall be contained within a tank room or tank chamber which—

(i) is adequately ventilated to the external air, either directly or by means of a duct, and

(ii) does not contain any appliance; and

(*b*) any chamber shall be fully enclosed by a combination of walls, floors and a cover which comply with the requirements of this paragraph, any cover to such chamber conforming to the requirements of this paragraph for floors; and

(*c*) any walls or floors separating the room or chamber from the remainder of the building shall satisfy the requirements of this Part for fire division walls or, as the case may be, compartment floors, and shall have a period of fire resistance of not less than—

(i) where the capacity of the tank does not exceed 275 gallons, 1 hour;

(ii) where the capacity of the tank exceeds 275 gallons, but does not exceed 750 gallons, 2 hours;

(iii) where the capacity of the tank exceeds 750 gallons, 4 hours:

Provided that nothing in this paragraph shall prohibit any room or chamber being constructed so as to form a catchpit as required by the last foregoing paragraph.

(4) Subject to the next succeeding paragraph, if the tank is neither within nor forms part of the building—

(*a*) the side of the tank facing the building shall be no nearer to the building than the minimum distance set forth in column (2) of the following table unless the conditions set forth in column (3) of the said table are satisfied in relation to the building;

(*b*) the side of the tank facing the boundary shall be no nearer to the boundary than the minimum distance set forth in column (4) of the said table unless the conditions set forth in column (5) of the said table are satisfied.

Capacity of tank (gallons) (1)	Minimum distance of tank from building containing appliance (2)	Conditions (3)	Minimum distance of tank from boundary (4)	Conditions (5)
Exceeding 20 but not exceeding 275	6 feet	(*a*) The tank is underground, or (*b*) there is a screen wall, or (*c*) the external wall of the building is protected.	2 feet 6 inches	(*a*) The tank is underground, or (*b*) there is a screen wall.
Exceeding 275 but not exceeding 750	6 feet	(*a*) The tank is underground, or (*b*) there is a screen wall, or (*c*) the external wall of the building is protected.	2 feet 6 inches	(*a*) The tank is underground, or (*b*) there is a screen wall.
Exceeding 750	20 feet	(*a*) The tank is underground, or (*b*) there is a screen wall, or (*c*) the external wall of the building is protected.	20 feet	(*a*) The tank is underground, or (*b*) there is a screen wall.

(5) In this regulation—

(*a*) any reference to a tank being underground shall be construed as a reference to a tank no part of which is above ground level, and which tank, if within or forming part of a building, is provided with a cover having a period of fire resistance of not less than—

(i) in the case of a tank having a capacity exceeding 750 gallons, 2 hours,

(ii) in the case of any other tank, 1 hour;

(*b*) any condition that there is a screen wall shall be construed as a condition that there is provided between the tank and the external wall of the building or the boundary, as the case may be, at a distance of not more than 9 inches from the nearest part of the tank, a solid non-combustible wall—

(i) of such length that it extends, on each side of the projected width of the tank in relation to the external wall of the building or the boundary, for a distance of not less than—

(A) in the case of a tank having a capacity exceeding 750 gallons, 3 feet,

(B) in the case of any other tank, 1 foot, and

(ii) of a height above the height of the tank and throughout its whole length of not less than—

(A) in the case of a tank having a capacity exceeding 750 gallons, 3 feet,

(B) in the case of any other tank, 1 foot, and

(iii) having a period of fire resistance of not less than—

(A) in the case of a tank having a capacity exceeding 750 gallons, 2 hours,

(B) in the case of any other tank, 1 hour;

(*c*) any condition that the external wall of a building is protected shall be construed as a condition—

(i) in the case of a tank having a capacity exceeding 750 gallons, that every part of such wall within 20 feet of any part of the tank is non-combustible, has no openings and has a period of fire resistance of not less than 2 hours,

(ii) in the case of any other tank, that every part of such wall within 6 feet of any part of the tank is non-combustible, has no openings and has a period of fire resistance of not less than 1 hour:

Provided that for the purposes of this regulation no account shall be taken of any opening, within the meaning of regulation 23(1), which is intended solely for the ventilation of an air space below a timber floor.

(6) Every tank to which this regulation applies shall be designed, constructed and fitted with such safety devices as are necessary to enable it to operate efficiently and safely.

(7) In this regulation any reference to an "appliance" shall be construed as a reference to an appliance within the meaning of regulation 63(1).".

18. In regulation 43(1)—

(*a*) for the definition of "exit" there shall be substituted—

' "exit" means a route by way of a room or doorway into a passage and thereafter only by way of a passage, including any stairway forming part thereof and at no stage by means of a lift, escalator or doorway containing a revolving door, by which a person may reach a place of safety, and in relation to—

(*a*) any point on a storey of a building, means a route from that point;

(*b*) any room, means a route from a doorway of the room;

(*c*) any storey of a building, means a route from a point of egress from the storey;

(*d*) any flat, means a route from an entrance to the flat;';

(*b*) for the definition of "independent circuit" there shall be substituted—

' "independent circuit" means an electrical circuit supplying current to a fire lift or to lights for an exit, being either from an independent source or a separate circuit commencing at the main switch control point, so that a supply of current would be available even in the event of the supply of electricity to the remainder of the building being isolated;'.

19. In regulation 45(2) at the end there shall be inserted the following proviso—

"Provided that in a school or part of a school of not more than 2 storeys either storey of which has an occupant capacity of not more than 120, nothing in this paragraph shall require more than one exit from that storey.".

20. In regulation 48(2)—

(*a*) in sub-paragraph (*b*)(i), after "25" there shall be inserted "or, if forming part of a school, 50";

(*b*) in sub-paragraph (*b*)(ii), after "25" there shall be inserted "or, if forming part of a school, 50,".

21. In regulation 52—

(*a*) in paragraph (6), for the words "Provided that nothing in this paragraph" there shall be substituted—

"(6A) Nothing in paragraphs (4) or (6) of this regulation";

(*b*) in paragraph (8) the proviso thereto shall be deleted;

(*c*) for paragraph (10) there shall be substituted—

"(10) Any stairway exceeding 6 feet in width shall be—

(*a*) constructed of such a width as to permit of separate sections of not less than 3 feet 6 inches or more than 6 feet wide, and

(*b*) divided into such sections by a hand-rail or hand-rails the upper end of any such hand-rail being supported by an upright rigidly secure post carried to the ceiling or to a height of not less than 7 feet.".

22. In regulation 56(1), for the words "any room in a house within a building of occupancy sub-group A2 exceeding 35 feet in height" there shall be substituted the words "a house, in a building of occupancy sub-group A2, with a room or storey at a height of 35 feet or more above ground level,".

23. In regulation 57—

(*a*) in paragraph (1)—

(i) in the table to sub-paragraph (*c*), for the grades specified for occupancy sub-groups C2 and E1 there shall be substituted—

Occupancy group or sub-group	*Grade*	
	Walls	*Ceilings*
"C2	C†	C
E1	C	C

†In the case of a school—Grade B"

(ii) in sub-paragraph (ii)(B) of the proviso, for the word "lining" there shall be substituted the words "wall or ceiling lining";

(iii) at the end of the proviso there shall be inserted the following sub-paragraph—

(iv) nothing in this paragraph shall prohibit the wall and ceiling lining being of Grade C in any building or part of a building used solely for the housing of livestock.";

(*b*) in paragraph (3)—

(i) in sub-paragraph (*a*) for the words "and the aggregate of the combined lining is not lower than Grade B" there shall be substituted "and the combined product is not lower than Grade B";

(ii) in sub-paragraph (*b*), after the words "Grade A" there shall be inserted the words "so that the combined product is not lower than Grade B,".

24. In regulation 58(4)—

(*a*) in sub-paragraph (*a*)(i), for the word "depth" there shall be substituted the word "width";

(*b*) in sub-paragraph (*b*)(ii) for the word "depth" there shall be substituted the word "width".

25. In regulation 59—

(*a*) in sub-paragraph (*b*), for the word "width" there shall be substituted the word "length";

(*b*) in sub-paragraph (*c*), for "complies with regulation 58(4)(*b*)" there shall be substituted—

"(i) is a roadway or reinforced surface capable of bearing an axle loading of 8 tons;

(ii) is not less than 10 feet in width and in no part at a distance from the wall of the building greater than 43 feet or less than 16 feet;

(iii) if not comprising a public road is accessible from such a road by an access way, capable of bearing an axle loading of 8 tons, not less than 10 feet in clear width and having at every part a headroom of not less than 11 feet 6 inches and in which the radius of any bend provides a turning circle of not less than 27 feet radius:";

(*c*) at the end there shall be inserted—

"Provided that nothing in this regulation shall apply to a building, in occupancy group D or occupancy sub-group E1, of not more than one storey and having a floor area of not more than 400 square feet.".

26. In regulation 60—

(*a*) in sub-paragraph (1)(*b*), after the words "division of a building" there shall be inserted the words "not being a building to which paragraph (1A) applies";

(*b*) after paragraph (1) there shall be inserted the following paragraph—

"(1A) Where in a building or division of a building of not more than one storey the total floor area of the building or the floor area of any division thereof exceeds 10,000 square feet, there shall be provided within land in the same occupation as that building ground hydrants at a distance of not more than 200 feet from the building and at a distance of not more than 300 feet apart on a scale of one hydrant to every 10,000 square feet of floor area, or part thereof, of the building or division, which hydrants shall be attached to a water service pipe of not less than 4 inches in diameter:

Provided that nothing in this paragraph shall prohibit—

(i) any such hydrant being situated—

(A) within a part of the building separated from the remainder by fire division or separating walls,

(B) at a distance of not more than 15 feet from an entrance to the building and visible from that entrance;

if there is attached to the building at that entrance a notice indicating the presence of a hydrant;

(ii) the acceptance for the purposes of this paragraph of any hydrant attached to a water main vested in the local water authority if it is within the distances specified in this paragraph in relation to the building and any other hydrants.".

27. In regulation 62(4) for "66" there shall be substituted "66, 71".

28. In regulation 63(1)—

(*a*) in the definition of "controlled combustion appliance" there shall be deleted the word "heating";

(*b*) the definition of "instantaneous water heater" shall be deleted;

(*c*) after the definition of "flue pipe" there shall be inserted—

' "openable stove" means a stove fitted with fire doors and which is designed to operate efficiently with the fire doors either open or closed;';

(*d*) the definition of "storage water heater" shall be deleted.

29. For regulation 71 there shall be substituted the following regulation—

"*Lining of flues*

71.—(1) Every flue in a chimney to which this regulation applies shall either—

(*a*) be lined continuously throughout its length with any one of the following, namely—

(i) rebated or socketed clay flue linings complying with B.S. 1181: 1961,

(ii) rebated or socket flue linings made from kiln-burnt aggregate and high alumina cement,

(iii) glazed vitrified clay pipes and fittings complying with B.S. 65: 1966,

(iv) glazed (vitreous) enamelled salt-glazed fireclay pipes and fittings complying with B.S. 540: 1966,

and be jointed and flush-pointed with cement mortar and so built that the socket of any component having a socket is uppermost, or

(*b*) be constructed of concrete flue blocks made of, or having inside walls made of, kiln-burnt aggregate and high alumina cement and so made that no joints between blocks other than bedding joints adjoin any flue, the blocks being jointed and flush pointed with cement mortar.

(2) Every flue to which the last foregoing paragraph applies shall—

(*a*) have no openings in it other than—

(i) an inlet in the base which, in the case of a flue not serving an open fire, shall be within a chamber which complies with paragraph (3) of this regulation, and

(ii) an outlet at the top to allow discharge of flue gases to the open air, and

(*b*) if the flue is lined in accordance with sub-paragraph (*a*) of the last foregoing paragraph, and does not serve an open fire, terminate at its lower end in such chamber, into which the lining shall project so as to form a drip for condensate.

(3) The chamber referred to in the last foregoing paragraph shall be—

(*a*) provided with means of access for inspection and cleaning and fitted with a non-combustible close-fitting cover, and

(*b*) connected to the appliance by a flue-pipe which discharges into the chamber through one of its sides, and

(*c*) so constructed as to be capable of containing a condensate collecting vessel.

(4) Where required for the safe burning of a controlled combustion appliance there shall be provided a draught-stabiliser or explosion door which shall open either into such a chamber as complies with the last foregoing paragraph or into the flue-pipe connecting the appliance to such a chamber.

(5) Nothing in this regulation shall require a flue to—

(*a*) be lined in accordance with this regulation if it previously served an appliance to which regulation 62(1) applies, or

(*b*) terminate at its lower end in a chamber if it previously served an open fire.

30. In regulation 83, paragraph (2) shall be deleted.

31. In regulation 88(2), for sub-paragraph (*f*) there shall be substituted—

"(*f*) between the outlet of each appliance and the point of connection of the subsidiary flue to the common flue there shall be a vertical portion of the subsidiary flue extending to a height of not less than 6 feet;".

32. In regulation 104—

(*a*) in paragraph (1), for the word "parts" there shall be substituted the word "components";

(*b*) in paragraph (2), for the words "elements of" there shall be substituted the words "components of the";

(*c*) in paragraph (3), before the word "used" there shall be inserted "as read with Amendment PD 5065, October, 1963,";

(*d*) after paragraph (3) there shall be inserted the following paragraph—

"(4) Nothing in this regulation shall apply to any wall separating a house from an open access balcony.".

33. In regulation 105 after paragraph (3) there shall be inserted the following paragraphs—

'(4) Where a wall or floor of any construction, in any building, separates any apartments forming part of a house from any other part of that building, not being a part within another house, the value of the sound transmission of that wall or floor shall be that achieved by a wall or floor of such construction, separating apartments in one house from apartments in another, tested in accordance with paragraph (3) of this regulation.

(5) In this regulation "apartment" shall include a reference to "room, bathroom, washroom, watercloset, stairway or passage within a house".'.

34. In regulation 109, for paragraph (2) there shall be substituted the following paragraphs—

"(2) The external walls of every building of occupancy sub-group A3 or A4 shall be so constructed that the average thermal transmittance co-efficient over all such walls (including any windows or other glazed openings therein) of the building is not more than 0.42.

(2A) The external walls of every house shall be so constructed that the average thermal transmittance co-efficient over all such walls (including any windows or glazed openings therein) of the house is not more than, where the area of the external walls (including such windows or glazed openings therein)—

(*a*) exceeds 125 per cent. of the total area of any internal separating walls of the house 0.42

(*b*) is between 75 per cent. and 125 per cent. of the total area of the internal separating walls of the house 0.48

(*c*) is less than 75 per cent. of the total area of the internal separating walls of the house ... ... 0.58.".

35. In regulation 115, for sub-paragraph (*a*)(ii) there shall be substituted—

"(ii) by—

(A) a permanent ventilator having a cross-sectional area of not less than 10 square inches opening direct to the external air, or

(B) a permanent ventilation opening having a cross-sectional area of not less than 10 square inches and opening within the house into a passage which is ventilated by a window, roof-light or ventilator or into which there opens an entrance doorway to the house, or".

36. For regulation 118 there shall be substituted the following regulation—

"*Small Garages*

118. In every garage, used solely for the storage of motor vehicles or to which regulation 39A or 40 applies and the area of which does not exceed 4,000 square feet, there shall be provided 2 permanent ventilators or permanent ventilation openings—

(*a*) each having a cross-sectional area of not less than—

(i) in the case of a garage the area of which does not exceed 400 square feet, 10 square inches,

(ii) in any other case, 10 square inches for every 750 cubic feet of the garage, and

(*b*) so situated as to permit the maximum flow of air within the whole of the garage:

Provided that in the case of a garage the area of which does not exceed 400 square feet nothing in this regulation shall prohibit both permanent ventilators or permanent ventilation openings being situated in any one wall of the garage."

37. In regulation 119, for paragraph (2) there shall be substituted—

"(2) If the storey is the ground storey or an upper storey it shall be ventilated—

(*a*) direct to the external air by 2 permanent ventilators situated on opposite walls of the storey, and each having a cross-sectional area equal to not less than, in the case of a storey used for—

(i) car parking or for the loading and unloading of vehicles, one-fortieth of the floor area of the storey,

(ii) repairing vehicles, one-sixtieth of the floor area of the storey,

(iii) garaging of commercial or public service vehicles, one-eightieth of the floor area of the storey, or

(*b*) by mechanical means to provide a fresh air supply at the rate set out in Table 13.".

38. In regulation 122, paragraph (4) shall be deleted.

39. In regulation 124(1) for the words "direct to the external air by two permanent ventilators, each having a cross-sectional area of not less than 100 square inches" there shall be substituted the words—

"by

(*a*) 2 permanent ventilation openings, each having a cross-sectional area of not less than 100 square inches, to the external air either directly or by means of a vertical duct, or

(*b*) mechanical means to provide a fresh air supply at the rate set out in Table 13.".

40. In regulation 125—

(*a*) for the words "window and ventilator" there shall be substituted the words "window, ventilator, permanent ventilator and permanent ventilation opening";

(*b*) at the end, there shall be inserted the following proviso—

"Provided that, where 2 permanent ventilators or permanent ventilation openings are provided in accordance with regulation 118 or 119, nothing in this regulation shall prohibit—

(i) one such permanent ventilator or permanent ventilation opening being positioned so that the top of the opening is not less than 5 feet 6 inches above the floor, and

(ii) the other such permanent ventilator or permanent ventilation opening being positioned so that the top of the opening is not more that 2 feet above the floor.".

41. In regulation 130(1), for the definition of "daylight penetration" there shall be substituted—

' "daylight penetration", in relation to a window in a wall or a roof, means the horizontal distance from the window to any reference point in the room, measured from the outer face of the window frame at the height of the window sill;'.

42. In regulation 132, for paragraph (1) there shall be substituted—

"(1) In every room to which this regulation applies there shall be provided a daylighting window so positioned and of such dimensions that—

(*a*) in any kitchen a daylight factor of not less than 2 per cent. shall extend over an area of not less than one-half of the floor area of the room or 50 square feet whichever is the less;

(*b*) in any living room a daylight factor of not less than 1 per cent. shall extend—

(i) over an area of not less than one-half of the floor area of the room, and

(ii) to not less than one-half of the depth of the room;

(*c*) in any other apartment a daylight factor of not less than $\frac{1}{2}$ per cent. shall extend—

(i) over an area of not less than one-half of the floor area of the room, and

(ii) to not less than one-half of the depth of the room:

Provided that nothing in sub-paragraph (*b*) of this paragraph shall require a daylight factor to extend over an area greater than one-half of

that required for living, eating and cooking by regulation 183 as read with column (3) of Table 18 when there is deducted therefrom the floor area of the kitchen as specified in column (4) of the said Table.".

43. In regulation 134, for paragraphs (1) and (2) there shall be substituted—

"(1) Nothing in regulation 132(1) shall prevent the compliance with the provisions thereof by the provision of 2 or more windows in the same or in different walls, or, as provided in paragraph (2) of this regulation, in the ceiling of any room.

(2) Every daylighting window shall be situated in an external wall:

Provided that nothing in this paragraph shall prohibit a daylighting window—

(i) in an apartment other than the living room being situated in any part of the roof structure so that the window is inclined at not less than 30 degrees from the horizontal, or

(ii) in a kitchen, from being situated in any part of the roof structure.".

44. In regulation 136(3), after sub-paragraph (*b*) there shall be inserted the following sub-paragraphs—

"(*ba*) the building—

(i) does not exceed 3 storeys in height, and

(ii) has a frontage aligned with, or set back or forward from, the line of the frontage of an adjacent building on land in different occupation, and

(iii) the side thereof nearest the boundary with that adjacent building—

(A) has no daylighting windows therein, and

(B) is of a depth, measured at right angles to the front of the building—

(I) not exceeding 40 feet, or

(II) one-half of the greatest depth of the land in different occupation on which there is such an adjacent building

whichever is the lesser, or

(*bb*) in the last foregoing sub-paragraph for the purpose of measuring the depth of any land in different occupation there shall be excluded from such land—

(i) any portion of any road, access way, river or stream adjacent to the land,

(ii) any portion of any common, public open space, loch, lake or pond adjacent to the land,

(iii) any portion of the foreshore or area of the sea adjacent to the land, or".

45. In regulation 139 for sub-paragraph (*b*) there shall be substituted—

"(*b*) regulation 161 and regulation 162 in so far as they apply to any building not being shop premises".

46. In regulation 152, paragraph (2) shall be deleted.

47. In regulation 161(1), for the word "serving" there shall be substituted the word "serves".

48. For regulation 162 there shall be substituted the following regulation—

"**Provision of sanitary conveniences in buildings*

162.—(1) This regulation shall apply to every building used as a filling station or every building of occupancy sub-group A3 or A4 or of occupancy group B or C.

(2) There shall be provided in the building suitable and sufficient sanitary conveniences with separate accommodation for persons of each sex, so situated, of such a type and of such number as may be necessary having regard to the number of persons likely to be employed in the building and to the number of persons likely to frequent the building:

Provided that nothing in this regulation shall—

(i) prejudice the operation of any other enactment relating to the provision of sanitary conveniences in buildings to which this regulation applies, or

(ii) require the provision of—

(A) separate accommodation for persons of each sex in the case of any building in which less than 6 persons are employed, or

(B) washrooms in buildings of occupancy sub-group C1 used as grandstands or stadia, or

(C) sanitary conveniences for customers in shop premises which are within occupancy sub-group B2.

(3) For the purposes of this regulation "sanitary conveniences" include waterclosets, urinals and washrooms.".

49. In regulation 164, the definition of "socket outlet" shall be deleted.

50. After regulation 172 there shall be inserted the following regulation—

"**Electrical appliances*

172A. Every fixed appliance to which this Part applies shall be so designed, constructed and installed as to operate efficiently and safely.".

51. In regulation 173(3), in sub-paragraph (i) of the proviso, before the word "and" there shall be inserted "as read with Amendment PD 4386, November 1961,".

52. In regulation 174, for the word "systems" there shall be substituted the word "circuits".

53. In Part XIV before regulation 175, there shall be inserted the following regulation—

"*Application of Part XIV*

174A. In this Part, the provisions of regulation 177B, other than paragraphs (8) to (11) shall not be subject to specification in a notice served under section 11 of the Act (which enables local authorities to require existing buildings to conform to these regulations).".

54. For the rubric to regulation 175, there shall be substituted—

"*Projections and fixtures*".

55. After regulation 177 there shall be inserted the following regulations—

"*Windows*

177A. In every building—

(*a*) every window above the ground storey of the building, not being a roof-light, and

(*b*) every roof-light to which Part XI applies,

shall be so constructed as to enable the outside of the window or roof-light to be cleaned safely from inside the building:

Provided that nothing in this regulation shall apply—

(i) in the case of a house, to a window or roof-light where access to the outside thereof for cleaning can be safely obtained from a balcony, platform or flat roof, or

(ii) in the case of any other building, to a window where—

(A) access to the outside thereof for cleaning can be safely obtained from a balcony, platform or flat roof, or

(B) such other facilities, forming part of the building, are provided as will enable the safe cleaning of the window from outwith the building.

Construction of stairs not forming part of an exit

177B.—(1) This regulation shall apply to every stairway other than a stairway to which regulation 52, 180 or 181 applies.

(2) The stairway shall have a clear headroom of at least 6 feet 6 inches measured vertically from the pitch line.

(3) The stairway shall at every part have a width of not less than 2 feet.

(4) The stairway shall have a pitch not exceeding—

(*a*) 33 degrees, in a building of occupancy sub-group A4, or in part to which the public have access of a building of occupancy group C;

(*b*) 37 degrees, in any other building or part of a building:

Provided that nothing in this paragraph shall prevent any stairway, not being a stairway to which sub-paragraph (*a*) applies, which has a width of less than 3 feet 6 inches having a pitch greater than 37 degrees.

(5) At every part of the stairway—

(*a*) the tread width shall be not less than 10 inches at the points 10½ inches from each end of the tread, and

(*b*) the dimensions of each step shall be such that the aggregate of the going and twice the rise is not less than 22½ inches nor more than 25 inches:

Provided that in any stairway having a width of less than 3 feet 6 inches it shall be sufficient if the dimensions of each step comply with this paragraph along the centre line of the stairway.

(6) The stairway shall be constructed in flights, each of which—

(*a*) shall have a uniform rise and going, and

(*b*) shall consist of not fewer than 3 nor more than 16 rises:

Provided that nothing in this paragraph shall prevent a stairway in any building in occupancy sub-group A3, B1, B2, C2 or C3 or occupancy groups D or E being constructed in flights each of which shall consist of not fewer than 3 nor more than 22 rises.

(7) At each end of each flight of the stairway there shall be provided a terminal landing not less in length measured horizontally in the direction of travel on the centre line of the stairway than—

(*a*) 6 feet, or

(*b*) the width of the stairway,

whichever is the lesser.

(8) The stairway shall be guarded on each side by a wall or by a secure balustrade or railing extending in either case to a height of not less than 3 feet 3 inches measured vertically from the pitch line:

Provided that nothing in this paragraph shall require any balustrade in such a stairway in any building of occupancy sub-groups A3, B1, B2, C2 or C3, to extend to a greater height than any hand-rail provided in accordance with paragraphs (9) or (10) of this regulation.

(9) The stairway shall be provided with—

(*a*) in any case where the width of the stair does not exceed 3 feet 6 inches, a hand-rail on one side of the stairway;

(*b*) in any other case, a hand-rail on each side of the stairway.

(10) Any stairway exceeding 6 feet in width shall be—

(*a*) constructed of such a width so as to permit separate sections of not less than 3 feet 6 inches or more than 6 feet wide, and

(*b*) divided into such sections by a hand-rail or hand-rails the upper end of any such hand-rail—

(i) being supported by an upright rigidly secure post carried to the ceiling or to a height of not less than 7 feet, or

(ii) being ramped to the floor, or

(iii) being a scroll end:

Provided that this paragraph shall not apply to such a stairway in any building in occupancy sub-groups A3, B1, B2 or C2.

(11) Any hand-rail provided in a stairway—

(*a*) shall be securely fixed at a height not less than 2 feet 9 inches nor more than 3 feet 3 inches measured vertically from the pitch line, and

(*b*) shall be continuous through each flight, and

(*c*) unless forming part of a balustrade, shall at its upper end be wreathed back or built into the wall.".

56. In regulation 178(2), in sub-paragraph (*a*), for "regulations 180 and 181," there shall be substituted "regulations 180, 180A and 181,".

57. In regulation 180—

(*a*) in paragraph (6), after the words "shall be" there shall be inserted the words "not less than";

(*b*) in paragraph (9), for "2 feet 9 inches" there shall be substituted "3 feet 3 inches".

58. After regulation 180 there shall be inserted the following regulation—

"*Access within houses—general*

180A. Within every house of more than one storey there shall be provided

between such storeys access by means of a stairway, passage or landing which complies with regulation 181:

Provided that nothing in this regulation shall require the provision of a stairway to any storey within a house if that storey is used only as general storage accommodation other than that provided so as to comply with regulation 189.".

59. In regulation 181(2), in sub-paragraph (*d*), for the words "paragraphs (2), (5) and (12) of the last foregoing regulation," there shall be substituted the words "regulation 180(2), (5) and (12),".

60. In regulation 184—

(*a*) for paragraph (1) there shall be substituted—

"(1) Subject to the following provisions of this regulation—

(*a*)(i) every apartment, kitchen and bathroom forming part of a house, and

(ii) every room in which there are provided communal laundry facilities or heated drying cabinets or tumbler dryers so as to comply with regulation 190 or 191,

shall at no part be less than 7 feet 6 inches in height;

(*b*) every watercloset forming part of a house shall be at no part less than 6 feet 9 inches in height."

(*b*) in paragraph (2), at the end, there shall be inserted—

"(*e*) a watercloset, if it is not less than 6 feet 9 inches in height over at least three-quarters of its floor area and is at no part less than 5 feet in height."

61. In regulation 189, in sub-paragraph (*b*), for the word "accommodation" there shall be substituted the words "accommodation, enclosed and floored,".

62. In regulation 195, in paragraph (2), for the Table there shall be substituted the following Table and footnote—

Position	Minimum Number of Points	
	Houses with electricity or both electricity and gas	Houses with gas only
Living room	4 power points, 2 of which shall be electricity points or 2 power points and 1 multiple socket outlet.	1 gas point.
Every other apartment	2 power points	1 gas point.
Kitchen	3 power points†	3 gas points.
In any part of the house	2 power points in addition to those referred to above.	—

† 2 power points in the case of any house of—

(a) not more than 2 apartments, or

(b) not more than 3 apartments, of which each of the apartments other than the living room has a floor area less than 110 square feet.

63. Regulation 197 shall be deleted.

64. For Schedule 2 there shall be substituted the following Schedule—

Regulation 5 "SCHEDULE 2

CLASSIFICATION OF BUILDINGS BY OCCUPANCY

Occupancy group (1)	Occupancy sub-group (2)	Description of occupancy use (3)	Standard Industrial Classification (4)
A (Residential)	1	Houses of not more than 2 storeys—other than flats—including any surgeries, consulting rooms, offices and other accommodation not exceeding an aggregate of 500 square feet, forming part of the house of any person providing professional or scientific services and used in his professional or scientific capacity.	871†, 872†, 873†, 874†, 875†, 879†.
	2	Houses of more than 2 storeys and flats—including any surgeries, consulting rooms, offices and other accommodation not exceeding an aggregate of 500 square feet, forming part of the house of any person providing professional or scientific services and used in his professional or scientific capacity.	871†, 872†, 873†, 874†, 875†, 879†.
	3	Residential clubs, colleges and schools	872†, 884†
		Residential ecclesiastical buildings ...	875†
		Hotels	884†, 899(3)†
		Motels...	
		Hostels	
		Lodging houses	
		Boarding houses	
		Bothies and chaumers	—
		Chalets	—
		Police stations with sleeping or residential accommodation attached	906(1)†
	4	Children's homes	899(3)†
		Old people's homes	
		Special schools for handicapped children	
		Hospitals	874†
		Private nursing homes	
		Sanatoria	

†*Note* Throughout this Schedule the presence of a dagger against a numbered head in column (4) denotes that the numbered head is common to more than one occupancy group or sub-group.

Occupancy group (1)	Occupancy sub-group (2)	Description of occupancy use (3)	Standard Industrial Classification (4)
B (Commercial)	1	Office premises	709, 860, 871†, 873†, 874†, 875†, 879†, 881†, 883, 899†, 906(3)†.
	2	Shop premises (including sub-post offices attached thereto but excluding shop premises to which other sub-groups apply)	810†, 820, 831†, 888†.
		Beauty parlours	889
		Hairdressers	
		Television, radio, recording and film studios	881†
		Laboratories	874†, 879†
		Laundrettes (self-service)	885†
		Dry cleaning (self-service)	886†
C (Assembly)	1	Bus passenger roadside shelters ...	702(1)
		Passenger stations	701, 702(1)
		Public conveniences	906(3)
		Grandstands	882†
		Stadia	
		Sports pavilions	
		Gymnasia	
		Indoor bowling alleys	
		Indoor games courts	
		Riding schools	
		Skating rinks	
		Swimming baths (including any swimming pool, changing rooms, slipper baths, turkish baths or similar facilities pertaining thereto).	
		Funfairs and amusement arcades ...	
		Menageries and zoos	
	2	Non-residential clubs, colleges, schools, ecclesiastical buildings, court rooms, meeting houses, public houses, art galleries, museums, libraries to which persons other than employees have access, clinics, surgeries, consulting rooms and related accommodation (other than those covered in sub-groups A1 and A2 above).	872†, 874†, 875†, 879†, 884†, 899†, 906(3)†.
		Fire stations	906(2)
		Police stations (other than those covered in sub-group A3 above).	906(1)†
	3	Theatres, cinemas, radio and television studios to which the public are admitted.	881†
		Concert halls	—
		Restaurants, cafes	884†
		Exhibition halls	899(4)†
		Dance halls, dancing schools ...	882†

Occupancy group (1)	Occupancy sub-group (2)	Description of occupancy use (3)	Standard Industrial Classification (4)
D (Industrial)	1	Mining and quarrying other than coal mines	102, 103, 109
		Manufacture, process or repair of any of the following—	
		tobacco;	240
		steel tubes;	312
		light metals;	321
		mechanical handling equipment;	337
		mechanical equipment or parts not elsewhere specified;	349
		scientific, surgical and photographic instruments;	351
		watches and clocks;	352
		electric machinery;	361
		insulated wires and cables; ...	362
		telegraph and telephone apparatus;	363
		radio and other electronic apparatus;	364
		domestic electric appliances; ...	365
		other electrical goods;	369
		aircraft;	383
		locomotives and railway track equipment;	384
		railway carriages, wagons and trains;	385
		cutlery;	392
		bolts, nuts, screws, rivets; ...	393
		wire and wire products;	394
		cans and metal boxes;	395
		metal goods not elsewhere specified;	399
		hosiery and other knitted goods;	417
		glass;	463
		cement;	464
		abrasives and building materials not elsewhere specified; ...	469
		plaster cast, image and models....	499
	2	Agriculture and horticulture ...	001
		Coal mining	101
		Shipbuilding and marine engineering	370
		Paper, printing and publishing ...	481–483, 486, 489
		Laundries and dry cleaners	885†, 886†
		Slaughterhouses and abattoirs ...	810(2)†
		Waste processing plants	332
		Motor repairers, distributors, garages and filling stations	887
		Manufacture, process or repair of any of the following—	
		food and drink;	211–218, 229, 231, 239
		chemicals and allied industries; ...	261–263, 271–274, 276, 277
		metal;	311, 313, 322
		engineering and electrical goods;...	311–336, 338–339, 341, 342
		vehicles;	381, 382, 389
		tools and implements;	391
		jewellery, plate and refining of precious metals;	396
		textiles;	411–415, 418, 419, 423, 429
		fur;	433

Occupancy group (1)	Occupancy sub-group (2)	Description of occupancy use (3)	Standard Industrial Classification (4)
		clothing and footwear;	441–445, 449, 450, 888†
		bricks, fire clay and refractory goods;	461
		pottery;	462
		rubber;	491
		brushes and brooms;	493
		stationers' goods;	495
		plastics moulding and fabricating;	496
		gas, electricity and water.... ...	601–603
		Any other industry not separately classified in D1 or D3.	
	3	Manufacture, process or repair of any of the following—	
		animal and poultry foods; ...	219
		vegetable and animal oils, fats, soap and detergents;	275
		rope, twine and net;	416
		narrow fabrics;	421
		made-up textiles;	422
		leather (tanning and dressing); ...	431
		sheepskin wool (fellmongery) ; ...	431
		leather goods;	432
		hats, caps and millinery;	446
		timber;	471
		furniture and upholstery; ...	472
		bedding and similar goods; ...	473
		shop and office fittings;	474
		wooden containers and baskets;...	475
		miscellaneous wood and cork goods;	479
		linoleum, leather cloth and similar material;	492
		toys, games and sports equipment.	494
		Miscellaneous manufacturing industries other than those classified under sub-group 1.	499
E (Storage)	1	(*a*) Storage of goods and materials not specified as hazardous in E2.	810†, 831†, 832†
		(*b*) Garages used solely for the storage or parking of motor vehicles, multi-storey car parks, transit sheds and transport services other than any used for the storage of vehicles loaded with hazardous materials or for the storage of hazardous materials in transit	702–706, 709†
		(*c*) Libraries (other than those covered in sub-group C2 above) ...	872†, 899(4)†, 906(3)†
	2	(*a*) Storage of hazardous materials including—	
		(i) any compressed, liquefied or dissolved gas;	709†, 810†, 831†, 832†

Occupancy group (1)	Occupancy sub-group (2)	Description of occupancy use (3)	Standard Industrial Classification (4)
		(ii) any substance which becomes dangerous by interaction with either water or air; (iii) any liquid substance with a flash point below 65°C. (149°F.) including whisky or other spirituous liquor; (iv) any corrosive substance; (v) any substance that emits poisonous fumes when heated; (vi) any oxidising agent; (vii) any substance liable to spontaneous combustion; (viii) any substance that changes or decomposes readily giving out heat when doing so; (ix) any combustible solid substance with a flash point less than 121°C. (249.8°F.); (x) any substance likely to spread fire by flowing from one part of a building to another. (*b*) Transit sheds and transport services used for the storage of hazardous materials or vehicles loaded with hazardous materials."	709†, 810†, 831†, 832†

65. In Schedule 3—

(*a*) in *Class* 1, in the column headed " Description ", after the word " one " where it secondly occurs there shall be inserted the words " or more ";

(*b*) in *Class* 2, in the column headed " Description ", after the word " one " there shall be inserted the words " or more ";

(*c*) after *Class* 9 there shall be inserted the following *Class*—

Description	Limitations
"*Class 9A.* A garden hut, greenhouse or other building ancillary to a house.	(i) There shall not be included in this Class any garage, sun lounge or sunporch or any building to which Class 9 applies; (ii) The building is erected on land in the same occupation as the house; (iii) The cubic capacity of the building does not exceed 300 cubic feet; (iv) The height of the building does not exceed 7 feet 6 inches; (v) The building is at a distance of not less than 1 foot 6 inches from the boundary unless the wall nearest the boundary is of non-combustible material with no openings therein, within the meaning of Part IV."

66. For Schedule 4 there shall be substituted the following Schedule—

"SCHEDULE 4 Regulation 8

FIXTURES FOR THE FITTING OF WHICH NO WARRANT REQUIRED

(1) No warrant shall be required for the fitting of any of the following—

(*a*) any fixture or notice of a kind for which no standard is prescribed in these regulations;

(*b*) any outdoor sign whether illuminated or not which is subject to the requirements of the Town and Country Planning (Control of Advertisements) (Scotland) Regulations 1961 (a);

(*c*) any fixture of the same pattern or type as an existing fixture which it is replacing:

Provided that there shall not be included in this head any replacement of—

(i) any internal linings to which the provisions of regulation 57 apply,

(ii) any fire mains to which the provisions of regulation 60 apply,

(iii) any lift to which the provisions of regulations 61 or 182 apply,

(iv) any solid fuel appliance of the type mentioned in regulation 62(3),

(v) any refuse chute to which the provisions of regulation 196 apply;

(*d*) any heating appliance of a type mentioned in regulation 62 (1) or (2);

(*e*) the fitting to any flue outlet of a terminal so as to comply with regulation 84;

(*f*) any sanitary appliance or any part of a drainage system complying with Part XII provided as a replacement and not involving any alteration to the drainage system which would adversely affect the efficiency in operation of the system or any part thereof;

(*g*) any notice provided so as to comply with regulations 21, 43 or 119;

(*h*) any fixture provided so as to comply with Part X:

Provided that there shall not be included in this head any installation of ducting, piping or trunking, forming part of a mechanical ventilation system, permanently fixed to the building;

(*i*) any fixture provided so as to comply with Part XIII or to which any provision of that Part applies;

(*j*) any fixture provided so as to comply with Part XV:

Provided that there shall not be included in this head any heating appliance, lift or refuse chute.

(2) Notwithstanding anything in this Schedule—

(*a*) a warrant shall be required for the fitting of any fixture, sign or notice, mentioned in heads (*a*) to (*i*) of the foregoing paragraph, which constitutes a change of use, and

(*b*) any fixture for which no warrant is required shall be fitted in accordance with any relevant requirements of these regulations.".

(a) S.I. 1961/195 (1961 I, p. 308).

67. After Schedule 4 there shall be inserted the following Schedule—

Regulation 30

"SCHEDULE 4A

STRUCTURAL FIRE PRECAUTIONS

THE DESIGN AND CONSTRUCTION OF SUSPENDED CEILINGS CONTRIBUTING TO THE FIRE RESISTANCE OF SEPARATING FLOORS AND COMPARTMENT FLOORS

For the purpose of regulation 30(1) any suspended ceiling accepted as contributing to the fire resistance of a separating floor or compartment floor shall be designed and constructed as follows—

1. The separating or compartment floor and the ceiling thereto throughout their whole extent shall have a fire resistance not less than that required for the floor by regulation 26.

2. Any grid suspension system intended to support a suspended ceiling shall be designed so as to—

(*a*) provide, in the event of fire, for the linear expansion of the whole panel grid system in any direction so that the integrity of the ceiling is maintained, and shall take account of the degree of expansion in any specimen of the material which has been tested in accordance with B.S. 476: Part 1: 1953, and

(*b*) ensure that all panels are supported on 2 or more edges.

3. All supporting members, grid suspension systems or other fixings shall be of non-combustible material.

4. All surfaces exposed within the cavity formed by the floor and suspended ceiling, including any insulating material applied thereto, shall be of a grade not lower than Grade B as specified in regulation 57(2) as read with paragraphs (3) and (4) of that regulation.

5. Any cavity formed by a suspended ceiling shall be fire-stopped. The areas enclosed by such fire-stopping shall extend to not more than 500 square feet:

Provided that nothing in this paragraph shall require the provision of fire-stopping within any such cavity if the cavity is not more than 2 inches in depth measured from the underside of the floor to the upper surface of the panels forming the ceiling.

6. The external surface of panels forming a suspended ceiling shall be imperforate throughout.

7. Nothing in the provisions of the last foregoing paragraph shall prevent the forming of openings in the external surface of panels forming a suspended ceiling—

(*a*) extending to more than 100 square inches in area, for—

(i) ducts used for ventilation, constructed of sheet steel and forming a fire-tight joint at the ceiling level;

(ii) purposes of maintenance of any services within the cavity formed by the suspended ceiling, the integrity of the fire resistance being maintained within the cavity formed by the ceiling, and

(iii) recessed light fittings, the integrity of the fire resistance being maintained within the cavity formed by the ceiling;

(*b*) extending to not more than 100 square inches in area in every 100 square feet of the ceiling, for pipes, ducts or electrical outlets.".

68. In Schedule 8, in Table 4—

(*a*) after sub-paragraph (*b*) there shall be inserted the following—

"(*c*) Any reference to sprayed asbestos means sprayed asbestos conforming to B.S. 3590: 1963.

(*d*) The imposed load is assumed to be shared by both leaves for periods of fire resistance in excess of 2 hours.";

(*b*) for *Part I*: *Walls*, *A. Masonry construction*, there shall be substituted—

"Materials and construction	Minimum thickness in inches (excluding plaster) for period of fire resistance of											
	Loadbearing						Non-loadbearing					
	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour
1. Reinforced concrete, minimum concrete cover to main reinforcement of 1 inch—												
(*a*) unplastered	7	7	4	4	3	3						
(*b*) ½-inch cement-sand plaster	7	7	4	3	3	2½						
(*c*) ½-inch gypsum-sand plaster	7	5	4	3	3	2½						
(*d*) ½-inch vermiculite-gypsum plaster ...	5	4	3	3	3	2½						
2. No-fines concrete of Class 2 aggregate—												
(*a*) ½-inch concrete-sand plaster							6					
(*b*) ½-inch gypsum-sand plaster							6					
(*c*) ½-inch vermiculite-gypsum plaster ...							6					
3. Brickwork of clay, concrete or sand-lime bricks unreinforced—												
(*a*) unplastered	8	8	4	4	4	4	6½	6½	4	4	3	3
(*b*) ½-inch cement-sand plaster	8	8	4	4	4	4	6½	6½	4	4	3	3
(*c*) ½-inch gypsum-sand plaster	8	8	4	4	4	4	6½	6½	4	4	3	3
(*d*) ½-inch vermiculite-gypsum or perlite-gypsum plaster	4	4	4	4	4	4	4	4	4	4	3	3

Materials and construction	Minimum thickness in inches (excluding plaster) for period of fire resistance of											
	Loadbearing						Non-loadbearing					
	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour
4. Blockwork of solid concrete blocks of Class 1 aggregate—												
(*a*) unplastered	6	6	4	4	4	4	6	5	3	3	3	2
(*b*) ½-inch cement sand plaster	6	6	4	4	4	4	4	4	3	3	3	2
(*c*) ½-inch gypsum-sand plaster	6	6	4	4	4	4	4	4	3	3	3	2
(*d*) ½-inch vermiculite-gypsum plaster ...	4	4	4	4	4	4	3	3	3	2½	2	2
5. Blockwork of solid concrete blocks of Class 2 aggregate—												
(*a*) unplastered			4	4	4	4	6	6	4	4	3	2
(*b*) ½-inch cement-sand plaster			4	4	4	4	6	4	4	4	3	2
(*c*) ½-inch gypsum-sand plaster			4	4	4	4	6	4	4	4	3	2
(*d*) ½-inch vermiculite-gypsum plaster ...	4	4	4	4	4	4	4	4	3	3	3	2
6. Blockwork of solid autoclaved aerated concrete blocks unplastered, density 30-75 lbs. per cubic foot	7	6	4	4	4	4	4	3	2½	2½	2	2
7. Blockwork of hollow concrete blocks of Class 1 aggregate—												
(*a*) unplastered			4	4	4	4	6	6	4	4	4	3
(*b*) ½-inch cement-sand plaster			4	4	4	4	6	6	4	3	3	3
(*c*) ½-inch gypsum-sand plaster			4	4	4	4	6	6	4	3	3	3
(*d*) ½-inch vermiculite-gypsum plaster ...			4	4	4	4	4	4	3	3	2½	2½
8. Blockwork of hollow concrete blocks of Class 2 aggregate—												
(*a*) unplastered							6	6	6	5	5	5
(*b*) ½-inch cement-sand plaster							6	6	6	5	5	4
(*c*) ½-inch gypsum-sand plaster							6	6	6	5	5	4
(*d*) ½-inch vermiculite-gypsum plaster ...							5	5	4	4	4	3

Materials and construction	Minimum thickness in inches (excluding plaster) for period of fire resistance of											
	Loadbearing						Non-loadbearing					
	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour
9. Blockwork of cellular clay blocks—												
(*a*) one cell not less than 50 per cent solid, ½-inch cement-sand or gypsum-sand plaster											4	3
(*b*) one cell not less than 30 per cent solid, ½-inch cement-sand or gypsum-sand plaster											6	6
(*c*) two cells not less than 70 per cent solid, ½-inch cement-sand or gypsum-sand plaster			4	4	4	4			4	4	4	3
(*d*) two cells not less than 45 per cent solid, ½-inch cement-sand or gypsum-sand plaster									9	9	6	6
(*e*) three cells not less than 70 per cent solid, ½-inch cement-sand or gypsum-sand plaster	6	6	6	6	6	6	6	6	6	6	6	6
10. Cavity wall with outer leaf of brickwork or blockwork of clay, composition, concrete, or sand-lime bricks or blocks minimum 4-inch thick and—												
(*a*) inner leaf of solid brickwork or blockwork of clay, composition, concrete or sand-lime bricks or blocks other than those specified below ...	4	4	4	4	4	4	3	3	3	3	3	3
(*b*) inner leaf of solid concrete blockwork of blocks of Class 1 aggregate	4	4	4	4	4	4	3	3	3	3	3	2
(*c*) inner leaf of hollow concrete blockwork of blocks of Class 1 aggregate ...	4	4	4	4	4	4	4	3	3	3	3	2½
(*d*) inner leaf of solid concrete blockwork of blocks of Class 2 aggregate			4	4	4	4	3	3	3	3	3	2
(*e*) inner leaf of blockwork of aerated concrete blocks, including autoclaved aerated concrete blocks density 30–75 lbs. per cubic foot	6	6	4	4	4	4	3	3	2½	2½	2	2"

Period of fire resistance in hours

(*c*) in *Part I: Walls, B. Framed and composite construction*—

(i) in head 5(*d*), there shall be deleted "(or perlite)",

(ii) heads 5(*e*) and (*f*) shall be deleted,

(iii) in head 5(*h*), for the words "(or perlite)" there shall be substituted the word "gypsum",

(iv) in head 5(*i*), before the words "without finish" there shall be inserted the words "fixed to break joint",

(v) in head 5(*j*), for the words "(or perlite)" there shall be substituted the word "gypsum",

(vi) for head 5(*l*), there shall be substituted the following—

"(*l*) (i) $\frac{3}{8}$-inch asbestos insulation board fixed to $\frac{3}{8}$-inch asbestos insulation board fillets planted on face of studs ... ... $\frac{1}{2}$

(ii) $\frac{1}{2}$-inch asbestos insulation board ... ... $\frac{1}{2}$"

(vii) for head 7 there shall be substituted the following—

"7. Plasterboard $\frac{3}{8}$-inch thick on each side of cellular core—

(*a*) unplastered ... ... $\frac{1}{2}$

(*b*) $\frac{1}{2}$-inch gypsum plaster ... ... $\frac{1}{2}$

(*c*) $\frac{7}{8}$-inch vermiculite-gypsum plaster 2

7A. Plasterboard $\frac{1}{2}$-inch thick on each side of cellular core—

(*a*) unplastered ... ... $\frac{1}{2}$

(*b*) $\frac{1}{2}$-inch gypsum plaster 1

(*c*) $\frac{5}{8}$-inch vermiculite-gypsum plaster ... ... 2"

(viii) in head 9, there shall be inserted the word "neat" before the words "gypsum plaster";

(*d*) in *Part II: Reinforced concrete columns*

(i) in the heading, after the words "Minimum dimension" there shall be inserted "§";

Construction and materials	Minimum dimension § of concrete column without finish (in inches) for a fire resistance in accordance with Table 6 for a period of—					
	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour
(ii) after head 1(*b*) there shall be inserted— "(*ba*) with ½-inch cement-sand or gypsum-sand plaster on mesh reinforcement fixed round column	17	15	11	9	7	6"
(iii) at the end there shall be inserted the following footnote— "§The minimum dimension of a circular column is the diameter.";						

(*e*) after Part III there shall be inserted—

"*Part IIIA: Prestressed concrete beams*

Additional protection	Minimum average thickness † of concrete cover (in inches) for a fire resistance in accordance with Table 6 for a period of—					
	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour
1. No additional protection	4‡	3½‡	2½‡	2‡	1½	1
2. Vermiculite concrete slabs, as permanent shuttering, ½-inch thick ...	3‡	2½	1¾	1¼	1	½
3. Vermiculite concrete slabs as permanent shuttering, 1-inch thick ...	2½	2	1½	1	½	½
4. Gypsum plaster on mesh reinforcement fixed around beams, ½-inch thick	3½‡	2¾	2	1½	1	½
5. Vermiculite-gypsum plaster ½-inch thick or sprayed asbestos ½-inch thick	3‡	2½	1¾	1¼	1	½
6. Vermiculite-gypsum plaster ⅞-inch thick or sprayed asbestos ⅞-inch thick	2	1¾	1¼	¾	½	½

† This part of the Table gives minimum average thicknesses which shall be assessed as the arithmetic mean distance of each element of prestressing steel in the member from the nearest outside concrete face which may be exposed to fire.

‡ Mesh reinforcement or continuous arrangement of stirrups must be incorporated in the beams to retain the concrete in position around the prestressing steel. This reinforcement should have a concrete cover of minimum average thickness of 1 inch.

Part IIIB: Prestressed concrete slabs

Additional protection	Minimum average thickness † of concrete cover (in inches) for a fire resistance in accordance with Table 6 for a period of—					
	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour
1. No additional protection	2½‡	2‡	1½	1¼	1	½
2. Gypsum plaster on metal lath as a jointless suspended ceiling with non-combustible fixing, ½-inch thick	1½	1	½	½	½	½
3. Vermiculite-gypsum plaster on sprayed asbestos applied direct to soffit, ½-inch thick	1½	1	½	½	½	½

† This part of the Table gives minimum average thicknesses which shall be assessed as the arithmetic mean distance of each element of prestressing steel in the member from the nearest outside concrete face which may be exposed to fire.

‡ Mesh reinforcement must be incorporated in the slab in the soffit to retain the concrete in position around the prestressing steel. This reinforcement should have a concrete cover of minimum average thickness of 1 inch."

(*f*) in *Part IV: Structural steel*, (1) *Encased steel stanchions*, in the heading, after the word "*stanchions*" there shall be inserted "(*Weight of steel per foot run not less than* 30 *lbs.*)";

(*g*) in *Part IV: Structural steel*, (2) *Encased steel beams*,—

(i) in the heading, after the word "*beams*" there shall be inserted "(*Weight of steel per foot run not less than* 20 *lbs.*)",

(ii) in B. *Hollow Protection*—

(A) in head 1(*c*), the figure "¾" shall be substituted for the figure "⅞" in the 3 hour column,

(B) in head 3, before sub-head (*a*), there shall be inserted—

Construction and materials	Minimum thickness (in inches) of protection for a fire resistance in accordance with Table 6 for a period of—					
	4 hours	3 hours	2 hours	1½ hours	1 hour	½ hour
"(*aa*) ⅜-inch plasterboard nailed to wooden brackets finished with gypsum plaster of thickness of						½"

(C) in head 3, at the end there shall be inserted—

"(*c*) ¾-inch plasterboard with gypsum plaster of thickness of			½			"

(*h*) in *Part VI: Timber floors*—

(i) in column (3) "Ceiling base", after the words "½-inch fibre insulation board" where they thrice occur, there shall be inserted "†",

(ii) in *A. All floors other than compartment and separating floors except floors in flats up to four storeys*—

(A) at the beginning, against the entry for 1½ inch Minimum width of joist with 11/16-inch Minimum thickness of tongued and grooved boarding, there shall be inserted—

Minimum width of joist (inches) (1)	Minimum thickness of tongued and grooved boarding (inches) (2)	Ceiling base (3)	Ceiling finish for a fire resistance in accordance with the requirements set in Table 6 for a period of— (4)			
			2 hours	1½ hours	1 hour	½ hour
		"2 layers plasterboard of total thickness of ¾-inch				nil "

(B) in the entry for "½ hour" in column (4), against 1½ inch Minimum width of joist with 11/16-inch Minimum thickness of tongued and grooved boarding with a Ceiling base of 1 inch woodwool slabs, for the words "⅜-inch plaster" there shall be substituted the words "⅜-inch gypsum plaster",

(C) in the entry for "½ hour" in column (4), against 2 inch Minimum width of joist with ½-inch fibre insulation board Ceiling base, for "½-inch gypsum plaster" there shall be substituted "⅜-inch gypsum plaster",

(D) at the end there shall be inserted—

Minimum width of joist (inches) (1)	Minimum thickness of tongued and grooved boarding (inches) (2)	Ceiling base (3)	Ceiling finish for a fire resistance in accordance with the requirements set in Table 6 for a period of— (4)			
			2 hours	1½ hours	1 hour	½ hour
"		Metal lath			¾-inch sprayed asbestos§	⅜-inch gypsum plaster or ½-inch sprayed asbestos§
2	⅞	⅜-inch plasterboard			½-inch vermiculite-gypsum plaster	½-inch gypsum plaster
		½-inch plasterboard				⅜-inch gypsum plaster
		⅜-inch plasterboard in two layers laid to break bond				nil
		½-inch fibre insulation board				½-inch gypsum plaster
		½-inch asbestos insulation board				nil
		1-inch woodwool slabs			¾-inch vermiculite-gypsum plaster	⅜-inch gypsum plaster"

(*i*) in *Part VII: Concrete floors*—

(i) in column (1), after the words "Units of inverted U section" there shall be inserted the words "with minimum thickness at crown",

(ii) opposite the entry for Hollow block construction or units of box or I section, with a Minimum thickness of solid substance including screed of 5 inches, in column (3) for the period of 4 hours there shall be inserted "nil".

69. In Schedule 8, in Table 8, in *Part II*, in the column headed "Covering material", at the end there shall be inserted—"(*e*) PVC coated metal".

70. In Schedule 8, in Table 9—

(*a*) in the heading to *Part I* there shall be deleted "C2,";

(*b*) in the heading to *Part II* for "C1" there shall be substituted "C1, C2,".

71. In Schedule 8, in Table 11—

(*a*) in *Part IV*—

(i) in sub-paragraph (*c*) (i) to head 1, after the word "ventilated" there shall be inserted the word "common",

(ii) in sub-paragraph (*c*) (ii) to head 1, after the words "feet from a" there shall be inserted the word "self-closing",

(iii) in sub-paragraph (*c*) (ii) to head 2, after the words "feet from a" there shall be inserted the word "self-closing",

(iv) for sub-paragraph (*c*) to head 3 there shall be substituted the following sub-paragraph—

"(*c*) in which the entrance door of every flat—

(i) opens into a ventilated private lobby, and

(ii) is not more than 15 feet from a self-closing fire-resisting door which opens into a common hall or passage from which access to the stairway is by the way of a protected door, and

(iii) is not more than 50 feet from the protected doorway, measured along the route of travel.";

(v) for sub-paragraph (*b*) to head 15 there shall be substituted—

"(*b*) whose occupant capacity does not exceed 60 (or, in the case of a storey in a school or part of a school of not more than 2 storeys, the occupant capacity of that storey does not exceed 120), and".

(*b*) in the footnote—

(i) for the words "fire-resisting door" there shall be substituted the words "self-closing fire-resisting door",

(ii) for the words ' "ventilated lobby" means a lobby' there shall be substituted the words ' "ventilated lobby", "ventilated common lobby" and "ventilated private lobby" means, as the case may be, a lobby, common lobby or private lobby'.

72. In Schedule 8, in Table 12, in the columns headed "Frequency in cycles/second", for—

(*a*) "320" where it twice occurs there shall be substituted "315",

(*b*) "640" where it twice occurs there shall be substituted "630", and

(*c*) "3,200" where it twice occurs there shall be substituted "3,150".

73. In Schedule 8, in Table 13, in *B. Room with no occupant capacity*—

(*a*) there shall be deleted the entry "Garage";

(*b*) before the entry "Any other room" there shall be inserted the following, with, in the column headed "Rate of supply in no. of air changes per hour", the corresponding rates of supply—

	Rate of supply in no. of air changes per hour
"Garage	
—for repair of vehicles	6
—for commercial or public service vehicles	4
Lift machine room	3"

74. In Schedule 8 for Table 14 there shall be substituted the following Table—

"TABLE 14—ASSUMED REFLECTION FACTORS OF SURFACES IN ROOMS

Regulations 133 and 134

Room (1)	Assumed reflection factors of surfaces (2)	
Kitchen Living room Any other apartment	Walls	40 per cent.
	Floor	15 per cent.
	Ceiling	70 per cent."

75. In Schedule 8, for Table 16 there shall be substituted the following Table—

Regulations 132 and 136 and Schedule 6.

"TABLE 16—DAYLIGHTING—MINIMUM WIDTH OF WINDOW OPENINGS (ROOMS WITH ONE WINDOW SITUATED IN THE MIDDLE OF THE EXTERNAL WALL)

Part 1—Living rooms

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)											
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	9	10	11	12	13	14	15	16	17	18	19	20
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)											
7 9	8 0	240	250	—	—	—	—	7 11	6 10	6 5	6 0	5 10	5 10	5 10	5 10
		230	240	—	—	—	8 5	7 1	6 4	6 0	5 8	5 6	5 6	5 6	5 6
		220	230	—	—	9 0	7 5	6 5	5 11	5 7	5 4	5 2	5 2	5 2	5 2
		210	220	—	9 10	7 9	6 7	5 11	5 6	5 3	5 1	5 1	5 1	5 1	5 1
		200	210	—	8 5	6 8	5 11	5 6	5 1	4 11	4 11	4 11	4 11	4 11	4 11
		190	200	—	7 2	6 0	5 5	5 1	4 9	4 9	4 9	4 9	4 9	4 9	4 9
		180	190	7 10	6 3	5 4	4 10	4 6	4 4	4 4	4 4	4 4	4 4	4 4	4 4
		170	180	6 9	5 7	4 9	4 4	4 2	4 1	4 1	4 1	4 1	4 1	4 1	4 1
		160	170	5 9	4 10	4 3	3 10	3 8	3 8	3 8	3 8	3 8	3 8	3 8	—
		150	160	5 2	4 3	3 9	3 5	3 5	3 5	3 5	3 5	3 5	3 5	—	—
		140	150	4 5	3 9	3 4	3 2	3 2	3 2	3 2	3 2	3 2	—	—	—
		—	140	3 10	3 4	3 1	3 0	3 0	3 0	3 0	3 0	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part 1—Living rooms—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)											
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	9	10	11	12	13	14	15	16	17	18	19	20
				Minimum width of window opening (feet and inches)											
(1)	(2)	(3)	(4)	(5)											
7 6	7 9	240	250	—	—	—	—	8 8	7 9	7 1	6 8	6 5	6 5	6 5	6 5
		230	240	—	—	—	9 7	7 11	7 1	6 7	6 4	6 1	6 1	6 1	6 1
		220	230	—	—	10 1	8 1	7 2	6 6	6 1	5 11	5 9	5 9	5 9	5 9
		210	220	—	—	8 11	7 2	6 7	6 0	5 8	5 7	5 6	5 6	5 6	5 6
		200	210	—	9 0	7 6	6 6	6 0	5 7	5 4	5 4	5 4	5 4	5 4	5 4
		190	200	—	8 0	6 6	6 0	5 6	5 2	5 0	5 0	5 0	5 0	5 0	5 0
		180	190	8 8	7 0	6 0	5 4	4 11	4 8	4 8	4 8	4 8	4 8	4 8	4 8
		170	180	7 5	6 3	5 4	4 9	4 5	4 4	4 4	4 4	4 4	4 4	4 4	4 4
		160	170	6 6	5 5	4 8	4 4	4 1	4 0	4 0	4 0	4 0	4 0	4 0	—
		150	160	5 9	4 9	4 1	3 10	3 9	3 9	3 9	3 9	3 9	3 9	—	—
		140	150	4 10	4 2	3 8	3 6	3 5	3 5	3 5	3 5	3 5	—	—	—
		—	140	4 2	3 10	3 4	3 2	3 2	3 2	3 2	3 2	—	—	—	—
7 3	7 6	240	250	—	—	—	—	9 7	8 5	7 11	7 4	7 0	6 9	6 9	6 9
		230	240	—	—	—	—	8 10	7 10	7 4	6 11	6 7	6 5	6 5	6 5
		220	230	—	—	—	9 1	8 1	7 2	6 11	6 6	6 3	6 1	6 1	6 1
		210	220	—	—	—	8 2	7 5	6 8	6 4	6 1	5 11	5 11	5 11	5 11
		200	210	—	—	8 11	7 5	6 9	6 2	5 11	5 8	5 8	5 8	5 8	5 8
		190	200	—	9 2	7 8	6 9	6 2	5 8	5 5	5 5	5 5	5 5	5 5	5 5
		180	190	—	7 11	6 9	5 11	5 7	5 2	5 1	5 1	5 1	5 1	5 1	5 1
		170	180	8 7	7 1	6 0	5 4	4 11	4 9	4 9	4 9	4 9	4 9	4 9	4 9
		160	170	7 5	6 2	5 3	4 10	4 6	4 5	4 5	4 5	4 5	4 5	4 5	—
		150	160	6 5	5 4	4 8	4 4	4 2	4 1	4 1	4 1	4 1	4 1	—	—
		140	150	5 4	4 8	4 2	3 11	3 9	3 9	3 9	3 9	3 9	—	—	—
		—	140	4 7	3 11	3 8	3 4	3 4	3 4	3 4	3 4	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part I—Living rooms—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)											
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	9	10	11	12	13	14	15	16	17	18	19	20
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)											
7 0	7 3	240	250	—	—	—	—	—	9 6	8 8	8 2	7 11	7 7	7 7	7 7
		230	240	—	—	—	—	—	8 8	8 2	7 9	7 5	7 3	7 3	7 3
		220	230	—	—	—	—	9 2	8 0	7 7	7 4	7 0	6 11	6 11	6 11
		210	220	—	—	—	9 4	8 4	7 6	7 1	6 10	6 7	6 7	6 7	6 7
		200	210	—	—	—	8 6	7 6	6 11	6 6	6 4	6 4	6 4	6 4	6 4
		190	200	—	—	8 11	7 8	6 10	6 4	6 0	5 11	5 11	5 11	5 11	5 11
		180	190	—	9 4	7 10	6 9	6 2	5 9	5 6	5 6	5 6	5 6	5 6	5 6
		170	180	—	8 2	6 10	6 0	5 7	5 4	5 2	5 2	5 2	5 2	5 2	5 2
		160	170	8 7	6 11	5 11	5 4	5 0	4 10	4 10	4 10	4 10	4 10	4 10	—
		150	160	7 5	6 1	5 3	4 10	4 8	4 6	4 6	4 6	4 6	4 6	—	—
		140	150	6 1	5 2	4 8	4 3	4 1	4 1	4 1	4 1	4 1	—	—	—
		—	140	5 2	4 5	4 1	3 10	3 10	3 10	3 10	3 10	—	—	—	—
6 9	7 0	240	250	—	—	—	—	—	—	9 8	9 0	8 8	8 6	8 5	8 5
		230	240	—	—	—	—	—	9 9	9 1	8 6	8 2	8 1	8 1	8 1
		220	230	—	—	—	—	—	9 1	8 5	8 0	7 10	7 9	7 9	7 9
		210	220	—	—	—	—	9 6	8 5	7 10	7 5	7 5	7 5	7 5	7 5
		200	210	—	—	—	10 2	8 7	7 8	7 4	7 0	7 0	7 0	7 0	7 0
		190	200	—	—	10 5	8 11	7 10	7 1	6 8	6 5	6 5	6 5	6 5	6 5
		180	190	—	—	9 1	7 8	7 0	6 5	6 2	6 1	6 1	6 1	6 1	6 1
		170	180	—	9 5	7 10	6 11	6 3	5 11	5 9	5 9	5 9	5 9	5 9	5 9
		160	170	—	7 10	6 9	6 0	5 9	5 4	5 4	5 4	5 4	5 4	5 4	—
		150	160	8 7	6 11	5 10	5 4	5 1	4 11	4 11	4 11	4 11	4 11	—	—
		140	150	7 1	5 11	5 2	4 9	4 6	4 6	4 6	4 6	4 6	—	—	—
		—	140	5 10	5 0	4 6	4 3	4 2	4 2	4 2	4 2	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part I—Living rooms—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)											
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	9	10	11	12	13	14	15	16	17	18	19	20
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)											
6 6	6 9	240	250	—	—	—	—	—	—	—	—	9 10	9 6	9 3	9 3
		230	240	—	—	—	—	—	—	—	9 6	9 2	8 11	8 10	8 10
		220	230	—	—	—	—	—	—	9 6	8 11	8 7	8 5	8 5	8 5
		210	220	—	—	—	—	—	9 10	8 9	8 4	8 1	8 1	8 1	8 1
		200	210	—	—	—	—	—	9 0	8 1	7 10	7 7	7 7	7 7	7 7
		190	200	—	—	—	10 7	9 2	8 2	7 6	7 3	7 2	7 2	7 2	7 2
		180	190	—	—	10 11	9 0	8 1	7 4	7 0	6 9	6 9	6 9	6 9	6 9
		170	180	—	—	9 2	7 11	7 1	6 8	6 5	6 5	6 5	6 5	6 5	6 5
		160	170	—	9 6	7 10	6 10	6 3	5 11	5 11	5 11	5 11	5 11	5 11	—
		150	160	—	8 1	6 8	5 11	5 8	5 5	5 5	5 5	5 5	5 5	—	—
		140	150	8 2	6 9	5 10	5 3	5 0	5 0	5 0	5 0	5 0	—	—	—
		—	140	6 11	5 9	5 2	4 8	4 7	4 7	4 7	4 7	—	—	—	—
—	6 6	240	250	—	—	—	—	—	—	—	—	—	11 2	10 8	10 5
		230	240	—	—	—	—	—	—	—	—	11 0	10 4	10 1	9 11
		220	230	—	—	—	—	—	—	—	10 8	10 0	9 7	9 6	9 5
		210	220	—	—	—	—	—	—	10 6	9 9	9 2	9 0	9 0	9 0
		200	210	—	—	—	—	—	10 7	9 7	9 0	8 7	8 6	8 6	8 6
		190	200	—	—	—	—	10 7	9 4	8 8	8 2	8 0	8 0	8 0	8 0
		180	190	—	—	—	10 10	9 4	8 4	7 10	7 6	7 6	7 6	7 6	7 6
		170	180	—	—	—	9 2	8 1	7 6	7 1	7 1	7 1	7 1	7 1	7 1
		160	170	—	—	9 0	7 9	7 0	6 8	6 7	6 7	6 7	6 7	6 7	—
		150	160	—	9 5	7 5	6 9	6 4	6 0	6 0	6 0	6 0	6 0	—	—
		140	150	—	7 10	6 8	5 10	5 6	5 6	5 6	5 6	5 6	—	—	—
		—	140	8 3	6 9	5 10	5 3	5 0	5 0	5 0	5 0	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part II—Kitchens

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	4	5	6	7	8	9	10	11	12
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
7 9	8 0	140	150	—	—	—	6 1	4 11	4 5	4 2	4 2	4 2
		130	140	—	—	—	5 11	4 10	4 4	4 1	4 1	4 1
		120	130	—	—	—	5 8	4 8	4 2	4 0	4 0	4 0
		110	120	—	—	—	5 6	4 7	4 1	3 11	3 11	3 11
		100	110	—	—	—	5 5	4 6	4 1	3 10	3 10	3 10
		90	100	—	—	—	5 2	4 5	4 0	3 9	3 9	3 9
		80	90	—	—	5 6	4 2	3 8	3 6	3 6	3 6	3 6
		70	80	—	—	4 2	3 5	3 1	3 1	3 1	3 1	3 1
		60	70	—	4 6	3 3	2 8	2 7	2 7	2 7	2 7	2 7
		50	60	—	3 1	2 6	2 3	2 3	2 3	2 3	2 3	2 3
		40	50	3 1	2 3	1 11	1 11	1 11	1 11	1 11	1 11	—
		—	40	2 0	1 8	1 7	1 7	1 7	1 7	1 7	—	—
7 6	7 9	140	150	—	—	—	6 8	5 3	4 7	4 4	4 4	4 4
		130	140	—	—	—	6 6	5 1	4 6	4 3	4 3	4 3
		120	130	—	—	—	6 2	5 0	4 5	4 2	4 2	4 2
		110	120	—	—	—	6 0	4 11	4 4	4 1	4 1	4 1
		100	110	—	—	—	5 11	4 10	4 3	4 1	4 1	4 1
		90	100	—	—	—	5 8	4 9	4 2	4 0	4 0	4 0
		80	90	—	—	—	4 6	3 11	3 7	3 7	3 7	3 7
		70	80	—	—	4 7	3 8	3 2	3 2	3 2	3 2	3 2
		60	70	—	4 10	3 5	3 1	2 10	2 10	2 10	2 10	2 10
		50	60	—	3 4	2 7	2 5	2 5	2 5	2 5	2 5	2 5
		40	50	3 4	2 5	2 0	1 11	1 11	1 11	1 11	1 11	—
		—	40	2 1	1 9	1 7	1 7	1 7	1 7	1 7	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	4	5	6	7	8	9	10	11	12
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
7 3	7 6	140	150	—	—	—	—	5 8	4 11	4 6	4 6	4 6
		130	140	—	—	—	—	5 7	4 10	4 5	4 5	4 5
		120	130	—	—	—	6 11	5 6	4 9	4 5	4 5	4 5
		110	120	—	—	—	6 8	5 5	4 8	4 4	4 4	4 4
		100	110	—	—	—	6 5	5 3	4 7	4 3	4 3	4 3
		90	100	—	—	—	6 2	5 1	4 6	4 2	4 2	4 2
		80	90	—	—	—	5 0	4 3	3 11	3 9	3 9	3 9
		70	80	—	—	5 0	4 0	3 6	3 4	3 4	3 4	3 4
		60	70	—	—	3 9	3 1	2 11	2 11	2 11	2 11	2 11
		50	60	—	3 7	2 10	2 6	2 6	2 6	2 6	2 6	2 6
		40	50	3 7	2 7	2 2	2 1	2 1	2 1	2 1	2 1	—
		—	40	2 3	1 10	1 7	1 7	1 7	1 7	1 7	—	—
7 0	7 3	140	150	—	—	—	—	6 5	5 5	4 11	4 10	4 10
		130	140	—	—	—	—	6 2	5 4	4 10	4 9	4 9
		120	130	—	—	—	—	6 1	5 3	4 10	4 9	4 9
		110	120	—	—	—	—	6 0	5 1	4 9	4 8	4 8
		100	110	—	—	—	—	5 11	5 0	4 7	4 7	4 7
		90	100	—	—	—	—	5 8	4 11	4 6	4 6	4 6
		80	90	—	—	—	5 7	4 8	4 3	4 1	4 1	4 1
		70	80	—	—	5 7	4 6	3 10	3 7	3 7	3 7	3 7
		60	70	—	—	4 1	3 4	3 1	3 1	3 1	3 1	3 1
		50	60	—	4 0	3 1	2 8	2 8	2 8	2 8	2 8	2 8
		40	50	3 11	2 9	2 3	2 2	2 2	2 2	2 2	2 2	—
		—	40	2 6	2 0	1 8	1 8	1 8	1 8	1 8	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part II—Kitchens—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	4	5	6	7	8	9	10	11	12
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
6 9	7 0	140	150	—	—	—	—	7 3	6 0	5 6	5 3	5 3
		130	140	—	—	—	—	7 0	5 11	5 4	5 2	5 2
		120	130	—	—	—	—	6 11	5 10	5 3	5 1	5 1
		110	120	—	—	—	—	6 10	5 9	5 2	5 1	5 1
		100	110	—	—	—	—	6 8	5 7	5 1	5 0	5 0
		90	100	—	—	—	—	6 5	5 6	5 0	4 10	4 10
		80	90	—	—	—	6 5	5 3	4 7	4 5	4 5	4 5
		70	80	—	—	—	5 0	4 2	3 11	3 10	3 10	3 10
		60	70	—	—	4 7	3 8	3 7	3 4	3 4	3 4	3 4
		50	60	—	4 6	3 3	2 10	2 9	2 9	2 9	2 9	2 9
		40	50	—	3 0	2 6	2 3	2 3	2 3	2 3	2 3	—
		—	40	2 8	2 1	1 9	1 9	1 9	1 9	1 9	—	—
6 6	6 9	140	150	—	—	—	—	—	7 0	6 1	5 9	5 9
		130	140	—	—	—	—	—	6 10	6 0	5 8	5 8
		120	130	—	—	—	—	—	6 8	5 11	5 7	5 7
		110	120	—	—	—	—	—	6 6	5 9	5 6	5 6
		100	110	—	—	—	—	7 9	6 3	5 8	5 5	5 5
		90	100	—	—	—	—	7 7	6 1	5 6	5 4	5 4
		80	90	—	—	—	—	6 0	5 1	4 9	4 9	4 9
		70	80	—	—	—	5 8	4 8	4 5	4 2	4 2	4 2
		60	70	—	—	5 2	4 1	3 9	3 7	3 7	3 7	3 7
		50	60	—	5 0	3 7	3 0	3 0	3 0	3 0	3 0	3 0
		40	50	—	3 2	2 8	2 5	2 5	2 5	2 5	2 5	—
		—	40	2 10	2 2	1 10	1 10	1 10	1 10	1 10	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part II—Kitchens—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	4	5	6	7	8	9	10	11	12
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
—	6 6	140	150	—	—	—	—	—	8 8	7 2	6 5	6 5
		130	140	—	—	—	—	—	8 3	6 10	6 3	6 3
		120	130	—	—	—	—	—	7 10	6 8	6 2	6 2
		110	120	—	—	—	—	—	7 6	6 5	6 0	6 0
		100	110	—	—	—	—	—	7 2	6 3	5 11	5 11
		90	100	—	—	—	—	—	6 11	5 10	5 10	5 10
		80	90	—	—	—	—	7 1	5 6	5 2	5 2	5 2
		70	80	—	—	—	6 6	5 3	4 8	4 6	4 6	4 6
		60	70	—	—	5 11	4 7	4 2	3 10	3 10	3 10	3 10
		50	60	—	—	3 11	3 3	3 3	3 3	3 3	3 3	3 3
		40	50	—	3 6	2 10	2 7	2 7	2 7	2 7	2 7	—
		—	40	3 1	2 4	2 0	2 0	2 0	2 0	2 0	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part III—Apartments other than living rooms

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	7	8	9	10	11	12	13	14	15
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
7 9	8 0	170	180	—	—	—	3 6	2 10	2 7	2 3	2 2	2 2
		160	170	—	—	3 6	2 11	2 6	2 3	2 1	2 1	2 1
		150	160	—	—	3 0	2 6	2 2	2 0	1 11	1 11	1 11
		140	150	3 4	3 0	2 6	2 1	1 11	1 10	1 10	1 10	1 10
		130	140	3 0	2 5	2 1	1 10	1 8	1 8	1 8	1 8	1 8
		120	130	2 7	2 0	1 9	1 7	1 7	1 6	1 6	1 6	1 6
		110	120	2 1	1 9	1 6	1 5	1 5	1 5	1 5	1 5	1 5
		100	110	1 9	1 6	1 4	1 4	1 4	1 4	1 4	1 4	1 4
		90	100	1 5	1 3	1 2	1 2	1 2	1 2	1 2	1 2	—
		80	90	1 2	1 1	1 1	1 1	1 1	1 1	—	—	—
		70	80	1 0	1 0	1 0	1 0	1 0	—	—	—	—
		—	70	11	11	11	11	—	—	—	—	—
7 6	7 9	170	180	—	—	—	3 10	3 2	2 10	2 6	2 6	2 6
		160	170	—	—	3 10	3 2	2 9	2 6	2 4	2 4	2 4
		150	160	—	4 0	3 3	2 9	2 5	2 2	2 2	2 2	2 2
		140	150	4 1	3 4	2 9	2 4	2 2	2 0	2 0	2 0	2 0
		130	140	3 4	2 9	2 4	2 1	1 11	1 10	1 10	1 10	1 10
		120	130	2 10	2 3	2 0	1 9	1 9	1 9	1 9	1 9	1 9
		110	120	2 3	2 0	1 9	1 7	1 7	1 7	1 7	1 7	1 7
		100	110	1 11	1 8	1 6	1 5	1 5	1 5	1 5	1 5	1 5
		90	100	1 7	1 5	1 4	1 4	1 4	1 4	1 4	1 4	—
		80	90	1 4	1 2	1 2	1 2	1 2	1 2	—	—	—
		70	80	1 2	1 1	1 1	1 1	1 1	—	—	—	—
		—	70	1 1	1 0	1 0	1 0	—	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part III—Apartments other than living rooms—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	7	8	9	10	11	12	13	14	15
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
7 3	7 6	170	180	—	—	5 6	4 3	3 6	3 1	2 10	2 9	2 9
		160	170	—	—	4 2	3 6	3 1	2 9	2 7	2 7	2 7
		150	160	—	4 4	3 8	3 1	2 8	2 6	2 4	2 4	2 4
		140	150	4 8	3 8	3 1	2 8	2 5	2 3	2 1	2 1	2 1
		130	140	3 10	3 1	2 8	2 3	2 1	2 0	2 0	2 0	2 0
		120	130	3 2	2 7	2 3	2 0	1 11	1 10	1 10	1 10	1 10
		110	120	2 7	2 2	1 11	1 9	1 9	1 9	1 9	1 9	1 9
		100	110	2 2	1 10	1 8	1 7	1 7	1 7	1 7	1 7	1 7
		90	100	1 10	1 7	1 6	1 6	1 6	1 6	1 6	1 6	—
		80	90	1 7	1 5	1 4	1 4	1 4	1 4	—	—	—
		70	80	1 4	1 3	1 3	1 3	1 3	—	—	—	—
		—	70	1 2	1 1	1 1	1 1	—	—	—	—	—
7 0	7 3	170	180	—	—	—	4 8	3 10	3 5	3 2	3 1	3 1
		160	170	—	—	4 8	3 11	3 5	3 1	2 10	2 10	2 10
		150	160	—	4 10	4 1	3 5	3 0	2 9	2 7	2 7	2 7
		140	150	—	4 2	3 6	3 0	2 8	2 6	2 5	2 5	2 5
		130	140	4 5	3 6	3 0	2 7	2 4	2 3	2 3	2 3	2 3
		120	130	3 8	2 11	2 6	2 3	2 1	2 1	2 1	2 1	2 1
		110	120	2 11	2 5	2 2	2 0	1 11	1 11	1 11	1 11	1 11
		100	110	2 5	2 1	1 10	1 9	1 9	1 9	1 9	1 9	1 9
		90	100	2 1	1 9	1 8	1 7	1 7	1 7	1 7	1 7	—
		80	90	1 9	1 6	1 6	1 6	1 6	1 6	—	—	—
		70	80	1 6	1 4	1 4	1 4	1 4	—	—	—	—
		—	70	1 4	1 3	1 3	1 3	—	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part III—Apartments other than living rooms—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	7	8	9	10	11	12	13	14	15
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
6 9	7 0	170	180	—	—	—	5 3	4 4	3 9	3 5	3 4	3 4
		160	170	—	—	5 4	4 4	3 9	3 4	3 1	3 1	3 1
		150	160	—	5 4	4 7	3 10	3 4	3 0	2 10	2 10	2 10
		140	150	—	4 8	4 0	3 4	2 11	2 9	2 7	2 7	2 7
		130	140	—	4 0	3 5	2 10	2 7	2 6	2 5	2 5	2 5
		120	130	4 6	3 5	2 10	2 5	2 3	2 3	2 3	2 3	2 3
		110	120	3 5	2 9	2 5	2 2	2 1	2 1	2 1	2 1	2 1
		100	110	2 9	2 4	2 1	1 11	1 11	1 11	1 11	1 11	1 11
		90	100	2 3	2 0	1 9	1 9	1 9	1 9	1 9	1 9	—
		80	90	1 11	1 9	1 8	1 8	1 8	1 8	—	—	—
		70	80	1 7	1 6	1 6	1 6	1 6	—	—	—	—
		—	70	1 5	1 5	1 5	1 5	—	—	—	—	—
6 6	6 9	170	180	—	—	—	5 10	4 10	4 2	3 9	3 8	3 8
		160	170	—	—	—	4 11	4 3	3 8	3 4	3 4	3 4
		150	160	—	—	5 2	4 3	3 8	3 4	3 1	3 1	3 1
		140	150	—	—	4 7	3 8	3 3	2 11	2 10	2 10	2 10
		130	140	—	4 7	3 9	3 2	2 10	2 7	2 7	2 7	2 7
		120	130	5 5	3 11	3 2	2 8	2 5	2 5	2 5	2 5	2 5
		110	120	4 3	3 2	2 7	2 4	2 3	2 3	2 3	2 3	2 3
		100	110	3 2	2 7	2 3	2 1	2 0	2 0	2 0	2 0	2 0
		90	100	2 7	2 2	1 11	1 10	1 10	1 10	1 10	1 10	—
		80	90	2 2	1 10	1 9	1 9	1 9	1 9	—	—	—
		70	80	1 10	1 8	1 7	1 7	1 7	—	—	—	—
		—	70	1 7	1 6	1 6	1 6	—	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor.

Part III—Apartments other than living rooms—continued

Height of head of window opening above floor†		Floor area of room		Width of room measured parallel to window, exceeding (feet)								
Exceeding ft. ins.	Not exceeding ft. ins.	Exceeding sq. ft.	Not exceeding sq. ft.	7	8	9	10	11	12	13	14	15
(1)	(2)	(3)	(4)	Minimum width of window opening (feet and inches) (5)								
—	6 6	170	180	—	—	—	6 7	5 5	4 7	4 1	3 11	3 11
		160	170	—	—	—	5 7	4 8	4 1	3 9	3 7	3 7
		150	160	—	—	—	4 9	4 1	3 8	3 5	3 4	3 4
		140	150	—	—	5 4	4 1	3 7	3 3	3 1	3 1	3 1
		130	140	—	5 2	4 3	3 6	3 1	2 11	2 10	2 10	2 10
		120	130	5 9	4 6	3 6	2 11	2 8	2 8	2 8	2 8	2 8
		110	120	5 6	3 6	2 11	2 7	2 4	2 4	2 4	2 4	2 4
		100	110	3 6	2 10	2 6	2 4	2 2	2 2	2 2	2 2	2 2
		90	100	2 10	2 5	2 2	2 1	2 0	2 0	2 0	2 0	—
		80	90	2 4	2 0	1 11	1 11	1 11	1 11	—	—	—
		70	80	2 0	1 10	1 9	1 9	1 9	—	—	—	—
		—	70	1 9	1 8	1 8	1 8	—	—	—	—	—

† (*a*) Height of foot of glazed portion of opening not exceeding 3 ft. 9 ins.
(*b*) The table gives minimum widths for ground floor windows on a level site; the height of window head may be reduced by up to 12 ins. on floors above the ground floor."

76. In Schedule 8, in Table 18—

(*a*) in the heading to column (3), for the words "Accommodation for living and eating (including kitchen)" there shall be substituted the words "Aggregate area of living room and kitchen‡";

(*b*) at the end there shall be inserted the following footnote—

"‡The area specified in this column includes any part of a living room or kitchen reserved for dining.".

77. In Schedule 9, in Head B—

(*a*) in the Specifications to regulation 14(2)—

(i) in Specification (1), for "B.S.449" there shall be substituted "B.S.449: 1959, (as read with Amendments PD 3857, July 1960, PD4311, November 1961, PD 4546, April 1962, and PD 5137, January 1964).";

(ii) in Specification (2), for "CP 114." there shall be substituted "CP 114: 1957 (as read with Amendment PD 5463, February, 1965).";

(iii) in Specifications (4) and (5), for "CP 111" where it twice occurs there shall be substituted "CP 111: 1964";

(iv) at the end in the column headed "Case dealt with or relevant conditions", and opposite, in the column headed "Specification", there shall be inserted—

Case dealt with or relevant conditions	Specification
"—of pre-cast concrete	(8) The design and construction of the structure are in accordance with CP 116: 1965.
—of composite construction in structural steel and concrete	(9) The design and construction of the beams are in accordance with CP 117: Part 1: 1965."

(*b*) before "*Part VI—Chimneys, flues, hearths and the installation of heat producing appliances*" there shall be inserted—

Provision of regulation deemed to be satisfied	Element of structure or fitting	Case dealt with or relevant conditions	Specification
		"Part IV—Structural Fire Precautions	
39A(2)—as to distance of groups of garages from boundary	All	—not exceeding 10 feet in height	No garage shall be nearer the boundary of the site than the distance specified below—

No. of garages to be erected on site	Distance from boundary (in feet)
Not more than 4 ...	14
Exceeding 4 but not more than 6	16
Exceeding 6 but not more than 10	18
Exceeding 10 but not more than 24	19

Provision of regulation deemed to be satisfied	Element of structure or fitting	Case dealt with or relevant conditions	Specification
41(6)—as to design and construction	Fuel oil storage tanks	—	The design and construction of the tank conforms to Sections 6 and 7 of B.S.799: Part 1: 1962, or Sections 8 and 9 of B.S. 799: Part 2: 1964, or B.S. 2594: 1955 (as read with Amendments PD 2242, July, 1955, PD 4517, April, 1962, and PD 5411, December, 1964), or B.S. 2654: Part 1: 1956, (as read with Amendments PD 2773, April, 1957 and PD 3020, April, 1958.)
41(6)—as to fitting of safety devices	Safety devices to fuel oil storage tanks	—	Safety devices are fitted conforming to Section 7 of B.S. 799: Part 1: 1962, or Section 9 of B.S. 799: Part 2: 1964."

(*c*) in the Specification to regulation 65(1)(*a*), for "B.S.41" there shall be substituted "B.S.41: 1964";

(*d*) in Specification (4) to regulation 101, for "B.S.882," there shall be substituted "B.S.882: 1965,";

(*e*) in the column headed "Case dealt with or relevant conditions" at Specification (1) to regulation 102, for the words "be exposed to moderate or severe gales and persistent rain" there shall be substituted—

'severe conditions of exposure as specified in the Building Research Station Digest No. 23 (Second Series) "An index of exposure to driving rain" ';

(*f*) in the column headed "Case dealt with or relevant conditions"at Specification (2) to regulation 102, for the words "be exposed to moderate or severe gales and persistent rain" there shall be substituted—

'severe conditions of exposure as specified in the Building Research Station Digest No. 23 (Second Series) "An index of exposure to driving rain" ';

(*g*) in the column headed "Case dealt with or relevant conditions" at Specification (5) to regulation 102, for the words "be exposed to moderate or severe gales and persistent rain" there shall be substituted—

'severe conditions of exposure as specified in the Building Research Station Digest No. 23 (Second Series) "An index of exposure to driving rain" ';

(*h*) in the column headed "Case dealt with or relevant conditions" at Specification (15) to regulation 102, there shall be deleted the words "with a slope of not less than 1 in 60 (2 inches in 10 feet)";

(*i*) in Specification (15) to regulation 102 for paragraphs (*a*), (*b*), (*c*) and (*d*) there shall be substituted the following paragraph—

"The zinc shall be laid and fixed in accordance with CP 143: Part 5: 1964";

(*j*) at Specification (22) to regulation 102, for the entries in the columns headed "Case dealt with or relevant conditions" and "Specification" there shall be substituted—

Case dealt with or relevant conditions	Specification
"Cedar shingled roof with a slope of not less than 14°	(22) (*a*) The shingles are of timber of Canadian Western Red Cedar, of no lower grading commercially than Grade No. 1, and (*b*) they are treated by a vacuum/pressure impregnation process, with a wood preservative of water-borne copper/chrome/arsenic composition conforming to B.S. 4072, and (*c*) they are laid to a gauge of 3¾ inches with one lap of 8½ inches, a second lap of 4¾ inches and a third lap of 1 inch, and (*d*) they are fixed direct through underslating felt, conforming to B.S. 747, to a background of sarking of not less than ¾-inch thick, and (*e*) the fixing nails are of copper 1¼ inches × 13 S.W.G. with 6 S.W.G. heads or of silicon bronze 1¼ inches × 15 S.W.G. with 6 S.W.G. heads, and (*f*) each shingle is held by two nails driven in at not more than ¾-inch from the sides of the shingle and at not less than 1 inch and not more than 2 inches above the gauge line.
Cedar shingled roof with a slope of not less than 22½°	(23) (*a*) as for Specification (22)(*a*), and (*b*) as for Specification (22)(*b*), and (*c*) as for Specification (22)(*c*), or they are laid to a gauge of 5 inches, with one lap of 6 inches and a second lap of 1 inch, and (*d*) as for Specification (22)(*d*), and (*e*) as for Specification (22)(*e*), and (*f*) as for Specification (22)(*f*)."

(*k*) in Specification (1) to regulation 104(2), for the figure "$\frac{3}{8}$" there shall be substituted the figure "$\frac{3}{16}$";

(*l*) in Specification (1) to regulation 108(1), at the end there shall be inserted the following sub-paragraph—

"(*e*) foamed or expanded sheeting of plastic or rubber ¾-inch thick having a density not exceeding 5 lbs. per cubic foot.";

(*m*) in Specification (2) to regulation 108(1), at the end there shall be inserted the following sub-paragraph—

"(*c*) foamed or expanded sheeting of plastic or rubber ½-inch thick having a density not exceeding 5 lbs. per cubic foot.";

(*n*) in Specification (4) to regulation 108(1)—

(i) in sub-paragraph (*c*) the words "or quilt" shall be deleted,

(ii) in sub-paragraph (*e*) for the words "plastic sheeting" there shall be substituted the words "sheeting of plastic or rubber";

(*o*) at Specification (5) to regulation 108(1), for the entries in the columns headed "Case dealt with or relevant conditions" and "Specification" there shall be substituted—

Case dealt with or relevant conditions	Specification
"Pitched or flat roof of any waterproof material bonded to a layer of insulation on top of a vapour barrier fixed to boarding or sarking as in Specification (1) above	Any of the following layers, the entire surface of which should be bonded to a vapour barrier of bitumen felt which complies with B.S. 747: 1961 (paragraph 5.*a*. Type 1c) having a weight of not less than 30 pounds per 12 square yards and nailed or bonded to the boarding or sarking in accordance with CP 144.101; the roof thus formed to be left exposed on the underside or to be in conjunction with a ceiling comprising ⅜-inch thick plasterboard or other sheet or boarding having a minimal thermal resistance and having no insulation laid thereon e.g., (*a*) fibre insulation board not less than ½-inch thick; (*b*) foamed or expanded plastic sheeting ½-inch thick and having a density not exceeding 5 pounds per cubic foot; (*c*) resin bonded glass or mineral wool ½-inch thick; (*d*) cork sheeting ½-inch thick; (*e*) compressed straw slabs 2 inches thick."

(*p*) in Specification (6) to regulation 108(1)—

(i) in the column headed "Case dealt with or relevant conditions" for the words "of concrete" there shall be substituted the words "of in situ concrete",

(ii) in sub-paragraph (*b*), for the words "having a mix of 1 : 5 cement and vermiculite" there shall be substituted the words "having a mix of 1 : 5 to 1 : 8 cement and vermiculite";

(*q*) in Specification (8) to regulation 108(1), in the column headed "Case dealt with or relevant conditions", after the word "concrete" where it first occurs there shall be inserted the words "cast in situ or precast";

(*r*) in the Specification to regulation 109(2), in sub-paragraph (*c*)—

(i) for the words "column (3)" there shall be substituted the words "columns (3) to (5)", and

(ii) for the table there shall be substituted the following table—

(1) Specification for Wall for regulation 109(1)		(2)	(3) 0.42	(4) For mean U-value 0.48	(5) 0.58
No.	Type	Percentage of glazing which is double glazing	Maximum percentage of glazed openings	Maximum percentage of glazed openings	Maximum percentage of glazed openings
		Per cent.	Per cent.	Per cent.	Per cent.
1 and 2	Unventilated cavity	Nil	17	26	40
		20	21	30	47
		40	24	36	56
18	Composite	60	30	45	70
		80	40	60	93
21 and 22	Solid	100	60	90	100
		Nil	23	30	44
		20	27	35	51
3, 4 and 12	Unventilated cavity	40	32	42	60
		60	38	51	73
19	Composite	80	50	66	94
23	Solid	100	68	92	100
		Nil	28	35	48
		20	32	40	54
5, 6 and 13	Unventilated cavity	40	37	47	63
		60	45	56	76
20	Composite	80	56	70	95
		100	73	93	100

(1) Specification for Wall for regulation 109(1)		(2)	(3) 0.42	(4) For mean U-value 0.48	(5) 0.58
No.	Type	Percentage of glazing which is double glazing	Maximum percentage of glazed openings	Maximum percentage of glazed openings	Maximum percentage of glazed openings
		Per cent.	Per cent.	Per cent.	Per cent.
7, 8, 9, 14 and 16	Unventilated cavity.....	Nil	28	35	48
		20	32	40	54
		40	37	47	63
		50	40	51	69
24	Solid	60	50	60	78
		80	61	73	96
		100	77	94	100
		Nil	28	35	48
		20	32	40	54
10, 11, 15 and 17	Unventilated cavity.....	40	37	47	63
		50	40	51	69
25 and 26	Solid	60	54	63	80
		80	64	76	96
		100	80	95	100

(*s*) in Specification (2) to regulation 142(2), for "B.S.540," there shall be substituted "B.S.540: 1964,";

(*t*) in the Specifications to regulation 152 (1)(*a*)—

(i) after Specification (3) there shall be inserted the following Specification—

"(3a) Copper tubes, in straight lengths, conforming to B.S. 3931: 1965,"

(ii) in Specification (5), for "B.S. 582" there shall be substituted "B.S. 582: 1965.";

(*u*) in Specification (3) to regulation 152(1)(*b*), for the words "Appendix E to B.S. 582." there shall be substituted "Clause 501(*b*) of CP 304: 1953.";

(*v*) in the Specifications to regulation 154(2)—as to provision of traps, in the column headed "Specification", at the end, there shall be inserted the following sub-paragraph—

"(*c*) the trap is a plastics trap conforming to B.S. 3943: 1965.";

(*w*) in Specification (2) to regulation 155(1)(*a*) to (*d*), for "B.S.1188" there shall be substituted "B.S. 488: 1965 or B.S.1329: 1956 (as read with Amendment PD5367, October 1964).";

(*x*) in the Specifications to regulation 160(1)(*a*)—

(i) for Specification (1) there shall be substituted—

"(1) Cast iron pipes and fittings (Medium grade) conforming to B.S. 416: 1957.",

(ii) in Specification (7) for "Table 1 of B.S. 460." there shall be substituted "B.S. 460: 1964.";

(*y*) at the Specification to regulation 162(2), in the columns headed "Case dealt with or relevant conditions" and "Specification" for the present entries there shall be substituted the following—

Case dealt with or relevant conditions	Specification
"(1) Art gallery, library or museum (2) Cinema, concert hall or theatre (3) Hospital (4) Hotel (5) Restaurant	(1) to (5) The sanitary conveniences provided contain appliances of a type and to a scale in accordance with CP 3: Chapter VII: 1950.
(6) Office premises	(6) The sanitary conveniences provided contain appliances of a type and to a scale in accordance with the Washing Facilities Regulations 1964(a) and the Sanitary Conveniences Regulations 1964(b).
(7) School	(7) The sanitary conveniences provided contain appliances of a type and to a scale in accordance with the School Premises (Standards and General Requirements) (Scotland) Regulations 1959(c).
(8) Shop Premises	(8) As for Specification (6)."

(*z*) at the Specifications for regulations 165 to 172, in the column headed "Provision of regulation deemed to be satisfied", for "165-172" substitute "165-172A".

(a) S.I. 1964/ 965 (1964 II, p. 2178).
(b) S.I. 1964/966 (1964 II, p. 2183).
(c) S.I. 1959/1096 (1959 I, p. 1075).

78. In Schedule 10—

(*a*) in Part I—

(i) in head 4, for "B.S.2028," where it twice occurs, there shall be substituted "B.S.2028: 1953 (as read with Amendments PD 3629, January 1960 and PD 5206, April 1964)",

(ii) in head 5, for—

(A) "B.S.882" where it twice occurs there shall be substituted "B.S.882 : 1965", and

(B) "B.S.2028", where it twice occurs, there shall be substituted "B.S.2028 : 1953 (as read with Amendments PD 3629, January 1960 and PD 5206, April 1964)",

(iii) in head 8, for "B.S.882", where it twice occurs, there shall be substituted "B.S.882 : 1965";

(*b*) in Part II, in column (1), after the word "exposure" where it occurs there shall be inserted "§" and at the end there shall be inserted the following footnote—

'§*References to exposure conditions shall be those defined in Building Research Station Digest No.* 23 (*Second Series*) "*An index of exposure to driving rain*".';

(*c*) in Part III, in columns (2) to (5) after the word "exposure" where it occurs there shall be inserted "§" and at the end there shall be inserted the following footnote—

'§*References to exposure conditions shall be those defined in Building Research Station Digest No.* 23 (*Second Series*) "*An index of exposure to driving rain.*".'

William Ross,
One of Her Majesty's Principal Secretaries of State

St. Andrew's House,
Edinburgh, 1.
24th July 1967.

EXPLANATORY NOTE

(*This Note is not part of the regulations.*)

These regulations in addition to making minor amendments to the Building Standards (Scotland) Regulations 1963 and 1964 alter *inter alia* the provisions governing the standards required for the construction of separating and compartment floors, garden huts, greenhouses, and other buildings ancillary to houses, certain types of oil storage tanks and the requirements as to daylighting and space about houses. The regulations also set special provisions for groups of garages erected on land reserved for that purpose, means of cleaning windows safely and the construction of stairs not forming part of any access to houses or of an exit.

NOTE.—Copies of publications referred to in these regulations may be purchased from the following:—

(*a*) British Standards and British Standard Codes of Practice: British Standards Institution, British Standards House, 2 Park Street, London, W.1.

(*b*) Building Research Station Digest No. 23 (Second Series): Her Majesty's Stationery Office.