

(j) "Cargo Spaces" are all spaces used for cargo (including cargo oil tanks) and trunks to such spaces.

(k) "Machinery Spaces" include all spaces used for propelling, auxiliary or refrigerating machinery, boilers, pumps, workshops, generators, ventilation and air conditioning machinery, oil filling stations, and similar spaces and trunks to such spaces.

(l) "Steel or Other Equivalent Material."—Where the words "steel or other equivalent material" occur, "equivalent material" means any material which, by itself or due to insulation provided, has integrity properties equivalent to steel at the end of the applicable fire exposure (e.g., aluminium with appropriate insulation).

### Regulation 27

#### *Structure (Methods I, II and III)*

The hull, superstructure, structural bulkheads, decks and deckhouses shall be constructed of steel, except where the Administration may sanction the use of other suitable material in special cases.

### Regulation 28

#### *Main Vertical Zones (Methods I, II and III)*

(a) The hull, superstructure and deck houses shall be subdivided by "A" Class divisions into main vertical zones, the mean length of which above the bulkhead deck shall not in general exceed 131 feet (or 40 metres). Where steps are necessary they shall be of "A" Class divisions.

(b) As far as practicable the portions of such bulkheads above the bulkhead deck shall be in line with watertight subdivision bulkheads situated immediately below the bulkhead deck.

(c) Such bulkheads shall extend from deck to deck and to the shell or other boundaries.

(d) On ships designed for special purposes, such as automobile or railroad car ferries, where installation of such bulkheads would defeat the purpose for which the ship is intended, equivalent means for controlling and limiting a fire shall be substituted and specifically approved by the Administration.

### Regulation 29

#### *Openings in Main Vertical Zone Bulkheads (Methods I, II and III)*

(a) Where main vertical zone bulkheads are pierced for the passage of electric cables, pipes, trunks, &c., or for girders, beams or other structures, arrangements shall be made to ensure that the fire-resistance of the bulkheads is not impaired.

(b) Dampers are to be fitted in trunks passing through main vertical zone bulkheads and shall be fitted with suitable local control capable of being operated from both sides of the bulkhead. The operating positions