Coast Guard, DHS

subjected to the standard fire test, they are capable of preventing the passage of flame and smoke for one hour. In addition, they are insulated with approved structural insulation, bulkhead panels, or deck coverings so that the average temperature on the unexposed side does not rise more than 139° C (250 °F) above the original temperature, nor does the temperature at any one point, including any joint, rise more than 181° C (325 °F) above the original temperature, within the time listed below:

<table>
<thead>
<tr>
<th>Class</th>
<th>Time (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-60</td>
<td>60</td>
</tr>
<tr>
<td>A-30</td>
<td>30</td>
</tr>
<tr>
<td>A-15</td>
<td>15</td>
</tr>
<tr>
<td>A-0</td>
<td>0</td>
</tr>
</tbody>
</table>

(c) "B" Class bulkheads. Bulkheads of the "B" Class shall be constructed with approved incombustible materials and made intact from deck to deck and to shell or other boundaries. They shall be so constructed that, if subjected to the standard fire test, they would be capable of preventing the passage of flame for one-half hour.

(d) "C" Class divisions. Bulkheads or decks of the "C" Class shall be constructed of approved incombustible materials, but need meet no requirements relative to the passage of flame.

(e) Steel. Where the term "steel or other equivalent metal" is used in this subpart, it is intended to require a material which, by itself or due to insulation provided, has structural and integrity qualities equivalent to steel at the end of the applicable fire exposure.

(f) Approved material. Where in this subpart approved materials are required, they refer to materials approved under the applicable subparts of subchapter Q (Specifications) of this chapter, as follows:

- Deck Coverings: 164.006
- Structural Insulations: 164.007
- Bulkhead Panels: 164.008
- Incombustible Materials: 164.009
- Interior Finishes: 164.012

(g) Stairtower. A stairtower is a stairway which penetrates more than a single deck within the same enclosure.

§ 32.57–10 Construction—TB/ALL.

(a) The hull, superstructure, structural bulkheads, decks, and deckhouses shall be constructed of steel. Alternatively, the Commandant may permit the use of other suitable material in special cases, having in mind the risk of fire.

(b) Bulkheads of galleys, paint and lamp lockers, and emergency generator rooms shall be of "A" Class construction.

(c) The boundary bulkheads and decks separating the accommodations and control stations from cargo, and machinery spaces and from galleys, main pantries and storerooms other than small service lockers shall be of "A" Class Construction.

(d) The following conditions apply within accommodation, service, and control spaces:

1. Corridor bulkheads in accommodation areas shall be of "A" or "B" Class intact from deck to deck State-room doors in such bulkheads may have a louver in the lower half.

2. Stairtowers, elevator, dumbwaiter, and other trunks shall be of "A" Class construction.

3. Bulkheads not already specified to be of "A" or "B" Class construction may be of "A", "B", or "C" Class Construction.

4. The integrity of any deck in way of a stairway opening, other than a stairtower, shall be maintained by means of "A" or "B" Class divisions or bulkheads and doors at one level. The integrity of a stairtower shall be maintained by "A" Class doors at every level. The doors shall be of the self-closing type. No means shall be provided for locking such doors, except that crash doors or locking devices capable of being easily forced in an emergency may be employed provided a permanent and conspicuous notice to this effect is attached to both sides of the door. Holdback hooks or other means of permanently holding the door open will not be permitted. However, magnetic holdbacks operated from the bridge or from other suitable remote control positions are acceptable.

5. Interior stairs, including stringers and treads shall be of steel or other suitable material having in mind the
risk of fire. This is not intended to preclude the use of other material for nosing, walking surfaces, etc., over the steel.

(6) Except for washrooms and toilet spaces, deck coverings within accommodation spaces shall be of an approved type. However, overlays for leveling or finishing purposes which do not meet the requirements for an approved deck covering may be used in thicknesses not exceeding 3/8 of an inch.

(7) Except as provided in paragraph (d)(7–a) of this section, ceilings, linings, and insulation, including pipe and duct laggings, must be made of approved incombustible material.

(7–a) Combustible insulations and vapor barriers that have a maximum extent of burning of 122 millimeters (5 inches) or less when tested in accordance with ASTM D 4986, "Standard Test Method for Horizontal Burning Characteristics of Cellular Polymeric Materials" (incorporated by reference, see § 32.01–1), may be used within refrigerated compartments.

(8) Any sheathing, furring or holding pieces incidental to the securing of any bulkhead, ceiling, lining, or insulation shall be of approved incombustible materials.

(9) Bulkheads, linings and ceilings may have a combustible veneer within a room not to exceed 2 millimeters (.079 inch) in thickness. However, combustible veneers, trim, decorations, etc., shall not be used in corridors or hidden spaces. This is not intended to preclude the use of an approved interior finish or a reasonable number of coats of paint.

(e) Wood hatch covers may be used between cargo spaces or between stores spaces. Hatch covers in other locations shall be of steel or equivalent metal construction. Tonnage openings shall be closed by means of steel plates or equivalent metal construction.

(f) Nitrocellulose or other highly flammable or noxious fume-producing paints or lacquers shall not be used.