

- (i) Fire main system plans and calculations;
 - (ii) Fixed gas fire extinguishing system plans and calculations;
 - (iii) Fire detecting system and smoke detecting system plans;
 - (iv) Sprinkler system diagram and calculations; and
 - (v) Portable fire extinguisher types, sizes and locations;
- (9) Fuel tanks;
- (10) Piping systems including: bilge, ballast, hydraulic, sanitary, compressed air, combustible and flammable liquids, vents, soundings, and overflows;
- (11) Hull penetrations and shell connections;
- (12) Marine sanitation device model number, approval number, connecting wiring and piping;
- (13) Lines and offsets, curves of form, cross curves of stability, and tank capacities including size and location on vessel; and
- (14) On sailing vessels:
- (i) Masts, including integration into the ship's structure; and
 - (ii) Rigging plan showing sail areas and centers of effort as well as the arrangement, dimensions, and connections of the standing rigging.
- (c) For a vessel, the construction of which was begun prior to approval of the plans and information required by paragraphs (a) and (b) of this section, the cognizant OCMI may require any additional plans and information, manufacturers' certifications of construction, testing including reasonable destructive testing, and inspections, which the OCMI determines are necessary to verify that the vessel complies with the requirements of this subchapter.

[CGD 85-080, 61 FR 900, Jan. 10, 1996; 61 FR 24464, May 15, 1996; USCG-2007-29018, 72 FR 53966, Sept. 21, 2007; USCG-2009-0702, 74 FR 49234, Sept. 25, 2009]

§ 116.210 Plans for sister vessels.

- (a) Plans are not required for a vessel that is a sister vessel, provided:
 - (1) Approved plans for the original vessel are on file at the Marine Safety Center or in the files of the cognizant OCMI;

- (2) The owner of the plans authorizes their use for the new construction of the sister vessel;
 - (3) The regulations used for the original plan approval have not changed since the original approval; and
 - (4) There are no major modifications to any of the systems to be used.
- (b) If approved plans for original vessel are not on file at the Marine Safety Center (MSC) or with the cognizant OCMI, the vessel owner shall submit plans as described in §116.202 of this part.

Subpart C—Hull Structure

§ 116.300 Structural design.

Except as otherwise allowed by this subpart, a vessel must comply with the structural design requirements of one of the standards listed below for the hull material of the vessel.

- (a) Steel hull vessels:
 - (1) Rules and Regulations for the Classification of Yachts and Small Craft, Lloyd's Register of Shipping (Lloyd's); or
 - (2) Rules for Building and Classing Steel Vessels Under 61 Meters (200 Feet) in Length, American Bureau of Shipping (ABS);
- (b) Aluminum hull vessels:
 - (1) Rules and Regulations for the Classification of Yachts and Small Craft, Lloyd's; or
 - (i) For a vessel of more than 30.5 meters (100 feet) in length—Rules for Building and Classing Aluminum Vessels, ABS; or
 - (ii) For a vessel of not more than 30.5 meters (100 feet) in length—Rules for Building and Classing Steel Vessels Under 61 Meters (200 Feet) in Length, ABS, with the appropriate conversions from the ABS Rules for Building and Classing Aluminum Vessels; or
 - (2) ABS Guide for High Speed Craft.
- (c) Steel hull vessels operating in protected waters—Rules for Building and Classing Steel Vessels for Service on Rivers and Intracoastal Waterways, ABS.

[CGD 85-080, 61 FR 900, Jan. 10, 1996, as amended at 62 FR 51348, Sept. 30, 1997]

§ 116.330 Sailing vessels.

The design, materials, and construction of masts, posts, yards, booms,