

# SECTION 1

# GENERAL REQUIREMENTS

## 1 General

### 1.1 Characteristics of the materials

**1.1.1** The characteristics of the steel or aluminium materials to be used in the construction of ships are to comply with the applicable requirements of the Rule Note NR216 Materials and Welding.

**1.1.2** Materials with different characteristics may be accepted, provided their specification (manufacture, chemical composition, mechanical properties, welding, etc.) is submitted to the Society for approval.

### 1.2 Testing of materials

**1.2.1** Materials are to be tested in compliance with the applicable requirements of the Rule Note NR216 Materials and Welding.

### 1.3 Manufacturing processes

**1.3.1** The requirements of this Chapter presumes that welding and other cold or hot manufacturing processes are car-

ried out in compliance with current sound working practice and the applicable requirements of the Rule Note NR216 Materials and Welding:

- parent material and welding processes are to be within the limits stated for the specified type of material for which they are intended
- specific preheating may be required before welding
- welding or other cold or hot manufacturing processes may be need to be followed by an adequate heat treatment.

**1.3.2** Requirements for welding and weld connections are given in Ch 11, Sec 2 and Ch 11, Sec 3 .

### 1.3.3 Qualification of welders

The welders hired by the yard are to be duly qualified and their qualification duly checked, according to the requirements of the Rule Note NR216 Materials and Welding.

### 1.3.4 Qualification of welding procedures

The welding procedures used for the construction are to be qualified by qualification tests carried out under the Surveyor's supervision, according to the requirements of the Rule Note NR216 Materials and Welding.