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Nota di contenuto Front Cover; Ship Construction; Copyright; Contents; Preface;

Acknowledgments; Part One - Introduction to Shipbuilding; 1 - Basic design of the ship; Preparation of the design; Information provided by design; Purchase of a new vessel; Ship contracts; Further reading; Some useful websites; 2 - Ship dimensions, form, size, or category; Oil tankers; Bulk carriers; Container ships; IMO oil tanker categories; Panama canal limits; Suez canal limits; Some useful websites; 3 -

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Oil tankers; Passenger ships; Further reading

Part Two - Materials and Strength of Ships 4 - Classification societies; Rules and regulations; Lloyd's register; Classification of ships operating in ice; Structural design programs; Periodical surveys; Hull planned maintenance scheme; Damage repairs; Further reading; Some useful websites; 5 - Steels; Manufacture of steels; Heat treatment of steels; Steel sections; Shipbuilding steels; High tensile steels; Corrosion-resistant steels; Steel sandwich panels; Steel castings; Steel forgings;

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Production of aluminum Aluminum alloy sandwich panels; Fire

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## Sommario/riassunto

Ship Construction is the market leading text for the professional shipbuilding and naval architecture sector. Acting as both a reference on the latest developments in construction techniques, safety and shipyard practice for professionals and a comprehensive text for students of naval architecture, the book covers the complete construction process, from ship specification to competed vessel. Covering each core operation and providing detailed understanding of the key ship construction steps and techniques, this new edition includes the latest developments in computer-aided design and