



Committed to Safer Ships Cleaner Oceans

No. 101-2(3)/12

Dated



Submission of Plans and Documents for Steel Vessel Under Construction

When it is intended to build a Steel vessel for classification, the following plans and documents are to be submitted for approval of the Society before the work is commenced (in according to "Rules for the Classification of Steel Ships"). Submission of other plans and documents than specified in bellow may be required where deemed necessary by the Society.

1. General Plan

	DWG/DOC Title	Doc / DWG No.	Sheet	Rev	Date	Status	Remark
1.1	General arrangement						
1.2	Specification						
1.3	Preliminary stability data (intact & damage)						
1.4	Body Lines						
1.5	Tank Capacity Plan						
1.6	Final stability data (intact & damage)						

1.7	Freeboard Calculations and Plimsoll Mark plan						
1.8	Visibility Plan						

2. Hull & Outfitting Plan

	DWG/DOC Title	Doc / DWG No.	Sheet	Rev	Date	Status	Remark
2.1	Calculation sheets for longitudinal strength						
2.2	Calculation sheets for midship section modulus						
2.3	Special cargoes (distribution and loading arrangements)						
2.4	Calculation sheets for masts, derrick booms, boat davits, and similar structures requiring strength.						
2.5	Loading Manual						
2.6	Midship section						
2.7	Construction profile						

2.7.1	- Longitudinal Sections						
2.7.2	- Transverse Sections						
2.8	Shell expansion						
2.9	Watertight and Oiltight bulkheads						
2.10	Deck plans						
2.11	Single bottoms and double bottoms						
2.12	Stem, Stern frame & Rudder						
2.13	Superstructure and Deckhouses						
2.14	Fore and aft bodies						
2.15	Docking Plan						
2.16	Pillars						
2.17	Shaft tunnels						
2.18	Foundations and the relevant structure plan of boilers, main engines, thrust and plummer blocks, generators, and other heavy weight auxiliary machinery.						
2.19	Machinery casings						
2.20	Welding booklet						
2.20.1	- Welding List						
2.20.4	- NDT Plan						
2.20.5	- Welding Sequence						
2.21	Masts, derrick posts and derrick booms and the relevant structure plans						
2.22	Manholes						
2.23	Rudders						
2.24	Hatchways and other deck openings						
2.25	Bow doors, side and stern doors						
2.26	Bulwarks, Guard rail, Freeing ports						
2.27	Side Scuttles Rectangular windows Skylights						

2.28	Permanent Gangways						
2.29	Equipment number and equipment						
2.30	Hawse pipe						
2.31	Chain Locker						
2.32	Stairs & Ladders						
2.33	Bollard						
2.34	Skege / V-bracket						
2.35	Emergency Towing Arrangement						
2.36	Funnel Construction						
2.37	Ventilation Construction						
2.38	Cathodic protection of hull						
2.39	Cargo Securing Manual						
2.40	Plans of construction for fire protection						
2.41	Plans for details of escape route and width of escape route, etc. (Calculation method of stairway width for Passenger ships)						

3. Mechanical Plan

	DWG/DOC Title	Doc / DWG No.	Sheet	Rev	Date	Status	Remark
3.1	Machinery arrangement						
3.2	Machinery part specification, and specification and instructions in connection with automation.						
3.3	List of particulars on main engine, boiler, shaft arrangement, main auxiliaries, etc. in engine room.						
3.4	Material specifications for main component parts						
3.5	Strength calculations for main component parts						
3.6	Shafting alignment calculations						
3.7	Installation of main engine, reduction gear, reversing gear and boiler.						
3.8	Shaft arrangement (including the structural details of strut)						
3.9	Various piping diagrams on board and in engine room of the ship.						

3.10.1	- Sanitary System						
3.10.2	- Scupper						
3.10.3	- Exhaust System						
3.10.4	- Lubrication Oil						
3.10.5	- Fuel Oil System						
3.10.6	- Compressed Air System						
3.10.7	- Sea Water Cooling System						
3.10.8	- Bilge/Ballast System						
3.10.9	- Seachest System						
3.10.10	- CO2 System						
3.10.11	- Fire Fighting System						
3.10.12	- Dirty Oil System						
3.10.13	- Fresh Water System						
3.10.14	- Salt Water Cooling System						
3.10.15	- Fresh Water Cooling System						
3.10.16	- Sewage System						
3.10.17	- Filling Pipes						
3.10.18	- Pipe Penetration Detail						
3.11	Compressed Air System						
3.12	Oily Bilge Water & Oil Residues System						
3.13	Fixed Firefighting System						
3.15	Shaft Penetration						
3.16	Side Thrusters (arrangement)						
3.17	Portable tanks						
3.18	Welding of piping systems (Class I and Class II)						
3.19	Calculation sheets for torsional vibration						
3.20	Air vent & sounding						
3.21	Internal Combustion Systems						
3.22	Propeller & Shaft System						
3.23	Power Transmission System						

3.24	Essential Auxiliaries such as Air compressors, Fresh water generators, Pumps, Draught fans for boiler and auxiliary blowers for main engine, Deck auxiliaries, Cargo handling machinery, Auxiliaries for maneuvering and ...						
3.25	Steering Gears System Plan						
3.26	Windlasses and Mooring Winches						

4. Electrical Plan

	DWG/DOC Title	Doc / DWG No.	Sheet	Rev	Date	Status	Remark
4.1	Drawings of main and emergency switchboard (including battery charging and discharging board)						
4.2	Drawings of control panel in bridge						
4.3	Drawings of control panel in engine room						
4.4	Drawings of remote control system (for main engine, generator and boiler)						
4.5	Manufacturing drawings for alarm and control system (including list of alarm points)						
4.6	Drawing of control panel for electric propulsion unit (including electronic coupling and frequency changer)						
4.7	Investigation table of electrical load analysis (main and emergency sources including batteries)						
4.8	Wiring diagram for power systems (including emergency source)						
4.9	Wiring diagram for lighting systems (including emergency lightings)						
4.10	Wiring diagram for control systems						
4.11	Wiring diagram for navigation and communication systems						
4.12	Wiring diagram for radio systems						

4.13	Wiring diagram for fire detection and alarm systems						
4.13.1	- Co2 alarm system						
4.13.2	- Tank & Bilge alarm system						
4.13.3	- Sound power system						
4.13.4	- Whistle & Horn Electrical Drawings						
4.13.5	- Fire alarm system						
4.14	General arrangement for electrical systems (bridge, radio room, accommodation space, engine room, all decks, etc.)						
4.15	Arrangement for navigation and signal lights						
4.16	Drawings indicating dangerous spaces						
4.17	Drawings of measuring equipment for cargo tanks						
4.18	List of particulars of high voltage electrical equipment						
4.19	Calculation sheets of short-circuit current in the circuits (if the sum of rated power is 500 kVA (kW) and over)						

5. Safety Plan

	DWG/DOC Title	Doc / DWG No.	Sheet	Rev	Date	Status	Remark
5.1	Firefighting Plan						
5.2	Safety Plan						

6. Statutory Doc.

	DWG/DOC Title	Doc / DWG No.	Sheet	Rev	Date	Status	Remark
6.1	SOPEP						
6.2	Garbage plan						

7. Other Doc.

	DWG/DOC Title	Doc / DWG No.	Sheet	Rev	Date	Status	Remark
7.1	Cargo Handling Equipment						

7.2	Crane Foundation						
-----	------------------	--	--	--	--	--	--

Remarks on Status:

- Approved / Noted: The document is approved/noted and has been stamped to use, or is to be submitted to the society for stamping.

- Under Review: The document is now under the review of the society.
- With Comment: The document has been checked and commented on by the society.
- Not Submitted: The document has not been submitted to the society.
- Not Applicable: The submission of the document is not applicable.
- Pended: The review of the document is pended based on submitting other documents to the society.
- Covered: The item is covered by other submitted documents.