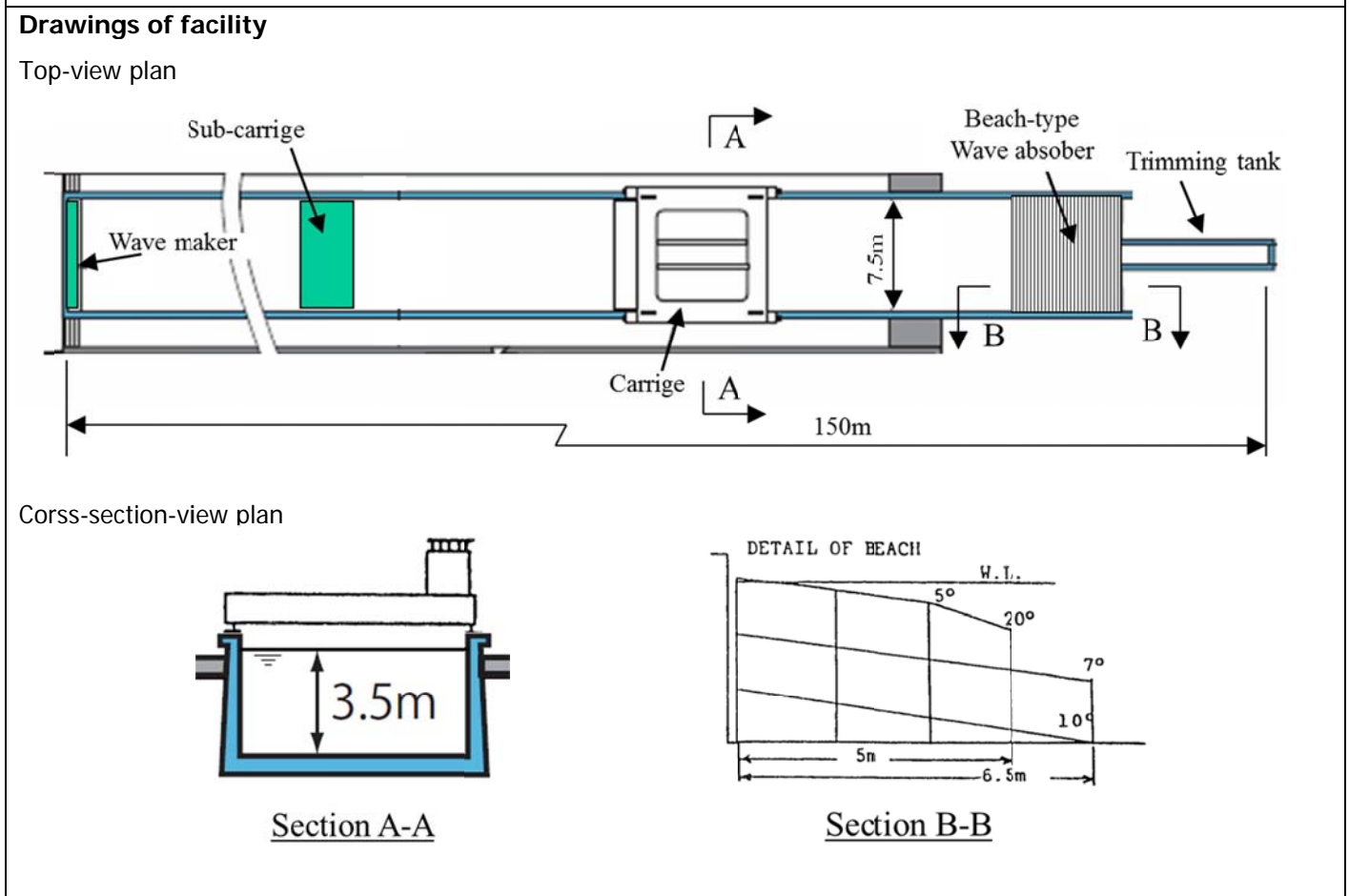


Name of organization National Maritime Research Institute	Year of information updating 2016
Year established 2001 (1916 established as the Ship Equipment Inspection Station)	Year of joining the ITTC
Address 6-38-1, Shinkawa, Mitaka-shi, Tokyo 181-0004, JAPAN	Status in the ITTC
Contact details (phone, fax, e-mail) [FAX] +81-422-41-3258 [E-mail] info2@nmri.go.jp	Website http://www.nmri.go.jp/english/research_facilities.html

Type of facility Towing Tank	Year constructed/upgraded 1972
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Name of facility No.3 Ship Model Tank(150m Towing Tank)	Location (if different from the above address)
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Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
Length 150m Width 7.5m Depth 3.5m Max. speed 6m/s



Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)
Description of carriage: 1 manned, 4 motor driven
Type of drive system and total Power: Thyristor Leonard system, 120kW(30 x 4 =120kW)
Maximum carriage speed: 6m/s
Other capability: Sub-carriage can be fitted
Wave generation capability: Regular and Irregular, Length 0.8 – 10m, Max. height 0.3m
Wave maker type and extent: Plunger type, 7.5m wide
Wave absorber and length: Beach-type(impermeable single layered beach), 5m and 6m
Wave measurement: Ultrasonic, capacitance and optical type sensor
Instrumentation: Computer system for data acquisition and analysis.
Model size: Normal 4.5m, Max. 6m

Applications (Tests performed)

- (1) Propeller open-water tests
- (2) Resistance and self-propulsion test
- (3) Maneuverability tests (PMM tests)
- (4) Waves resistance increase tests
- (5) Wave induced motion and loads on ships
- (6) Hydrodynamic forces on submerged bodies, etc.
- (7) Tests in shallow water.

Published description (Publications on this facility)

Journal of Soc. Naval Arch. Japan, Vol.132,1972

Report of SRI, Vol.10 No.6, 1973