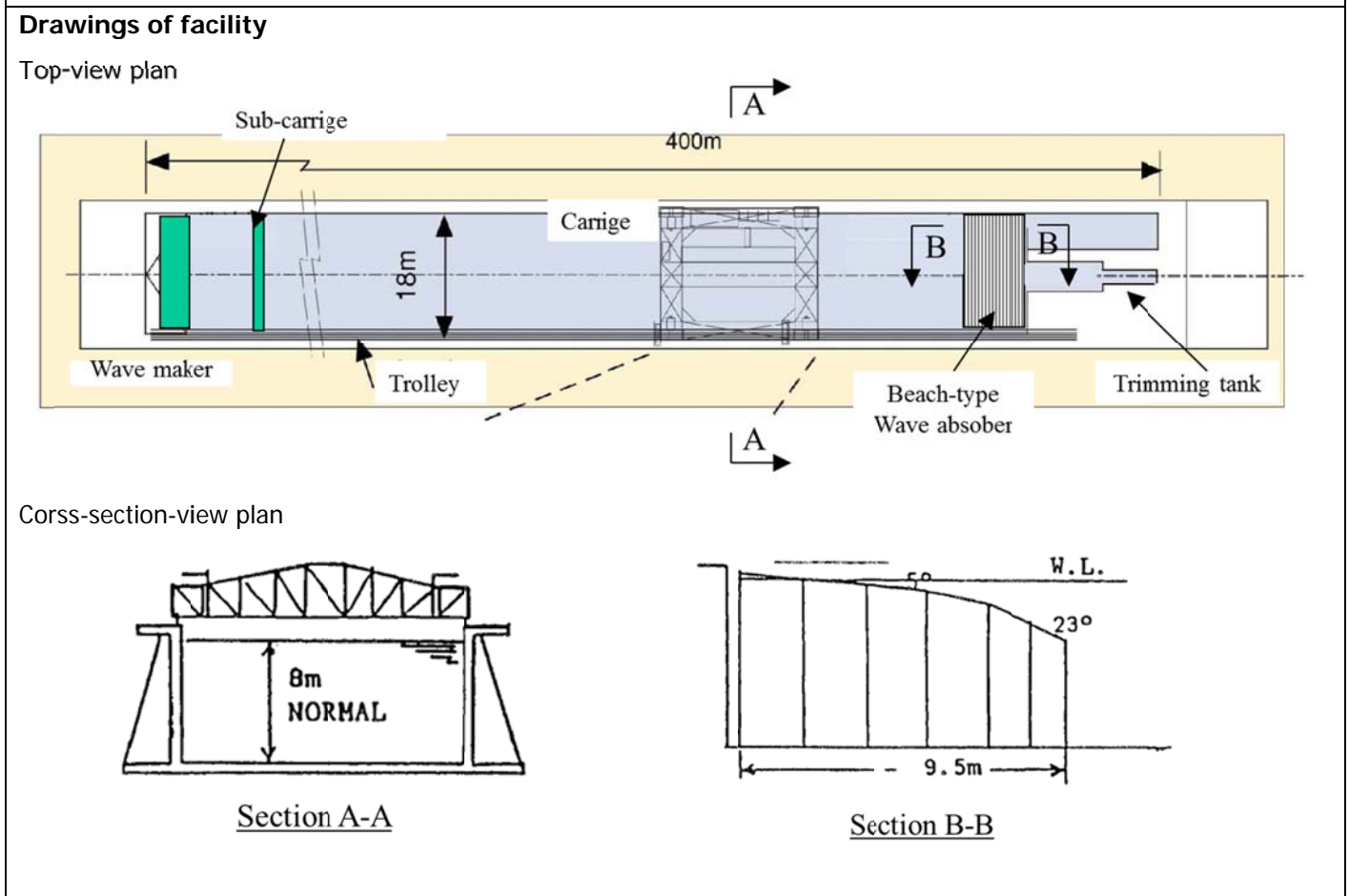


Name of organization National Maritime Research Institute	Year of information updating 2016
Year established 2001 (1916 established as the Ship Equipment Inspection Station)	Year of joining the ITTC
Address 6-38-1, Shinkawa, Mitaka-shi, Tokyo 181-0004, JAPAN	Status in the ITTC
Contact details (phone, 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 1966
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Name of facility No.2 Ship Model Tank(400m 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 400m Width 18m Depth 8m Max. speed 15m/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: Word Leonard system, 840kW(210 x 4 =840kW)
Maximum carriage speed: 15m/s
Other capability: Sub-carriage can be fitted
Wave generation capability: Regular and Irregular, Length 0.5 – 15m, Max. height 0.3m
Wave maker type and extent: Plunger type, 18m(4.5m x 4 segments)
Wave absorber and length: Beach-type(impermeable single layered beach), 9.5m
Wave measurement: Ultrasonic, capacitance and optical type sensor
Instrumentation: Computer system for data acquisition and analysis.
Model size: Normal 6-8 m

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.

Published description (Publications on this facility)

Journal of Soc. Naval Arch. Japan, Vol.124,1968

Report of SRI, Vol.6 No.4, 1969