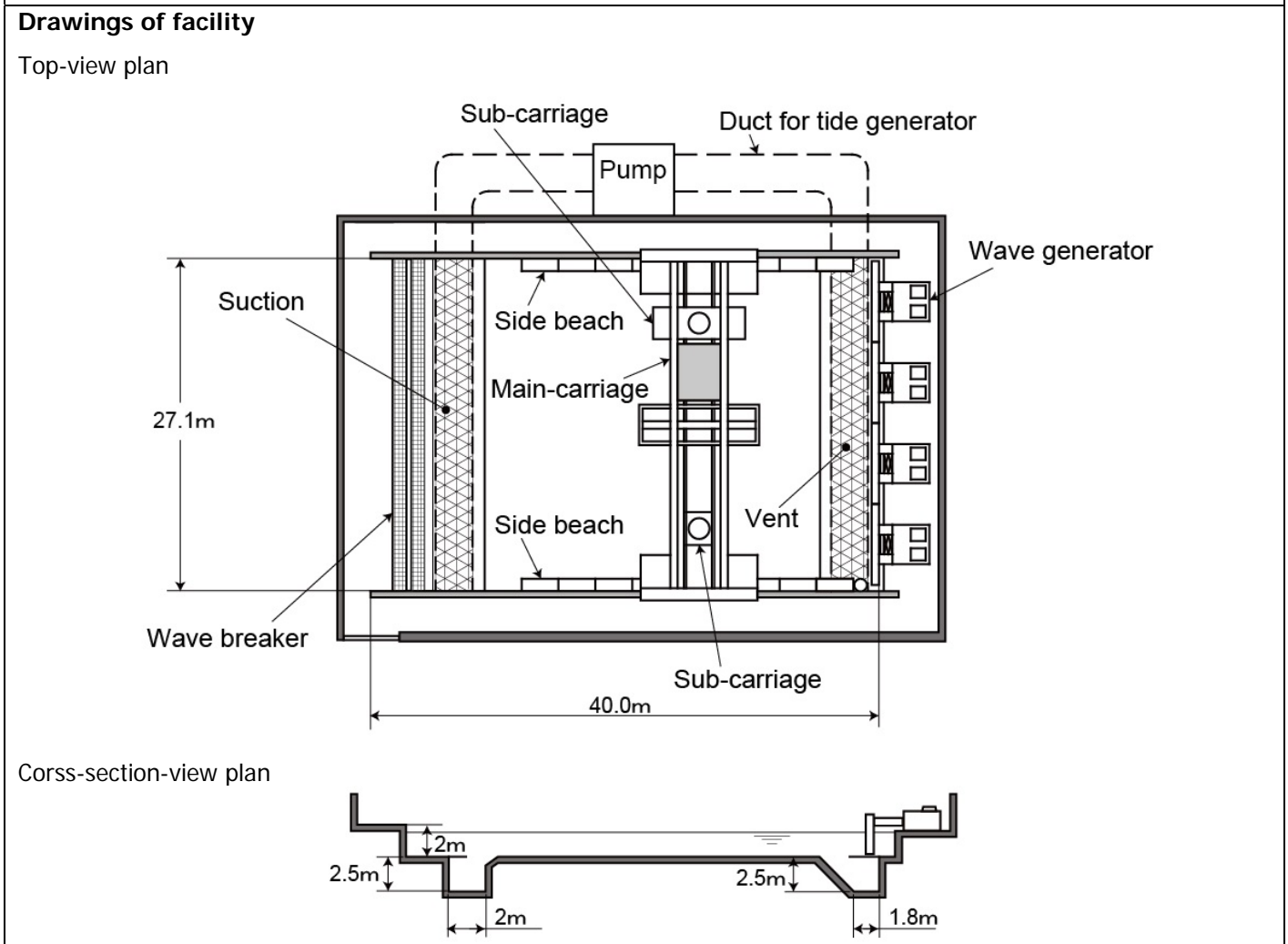


Name of organization National Maritime Research Institute	Year of information updating 2016
Year established 2001 (1916 established as the Ship Equipment Inspection Station)	Year of joining the ITTC
Address 6-38-1, Shinkawa, Mitaka, Tokyo, Japan	Status in the ITTC
Contact details (phone, fax, e-mail)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

Type of facility Ocean Engineering Basin	Year constructed/upgraded Constructed:1978 Upgraded:1995(Carrige), 2014(Wave generator)
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Name of facility Ocean Engineering Basin	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: 40m, Width: 27.1m, Depth: 2m



Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)

Carriage: X-Y Carriage which has two sub-carriages, 8-DC motors(15kW x 8) for X driven

Maximum Speed: x:1.0m/s, y:1.5m/s

Wave generator: Maximum wave height 0.6m at period 2.1sec in regular wave

Type and Extent: Piston type 27.1m wide

Wave breaker: Plastic mesh block, 27m x 2m x 1.5m+27m x 2m x 0.5m

Tide generation: max speed 0.3m/s at water depth 2m, max flow rate 18m³/sec

Wind generation: ten 0.7m diameter fans, 7m/s wind speed at 2m point from fans

Applications (Tests performed)

- (1) Station keeping test of moored offshore floater model
- (2) Station keeping test of floater with dynamic positioning system
- (3) Technological development of Logistics-hub floater
- (4) Technological development of mega-float
- (5) Measurement of hydrodynamic forces of offshore structures and equipment

Published description (Publications on this facility)