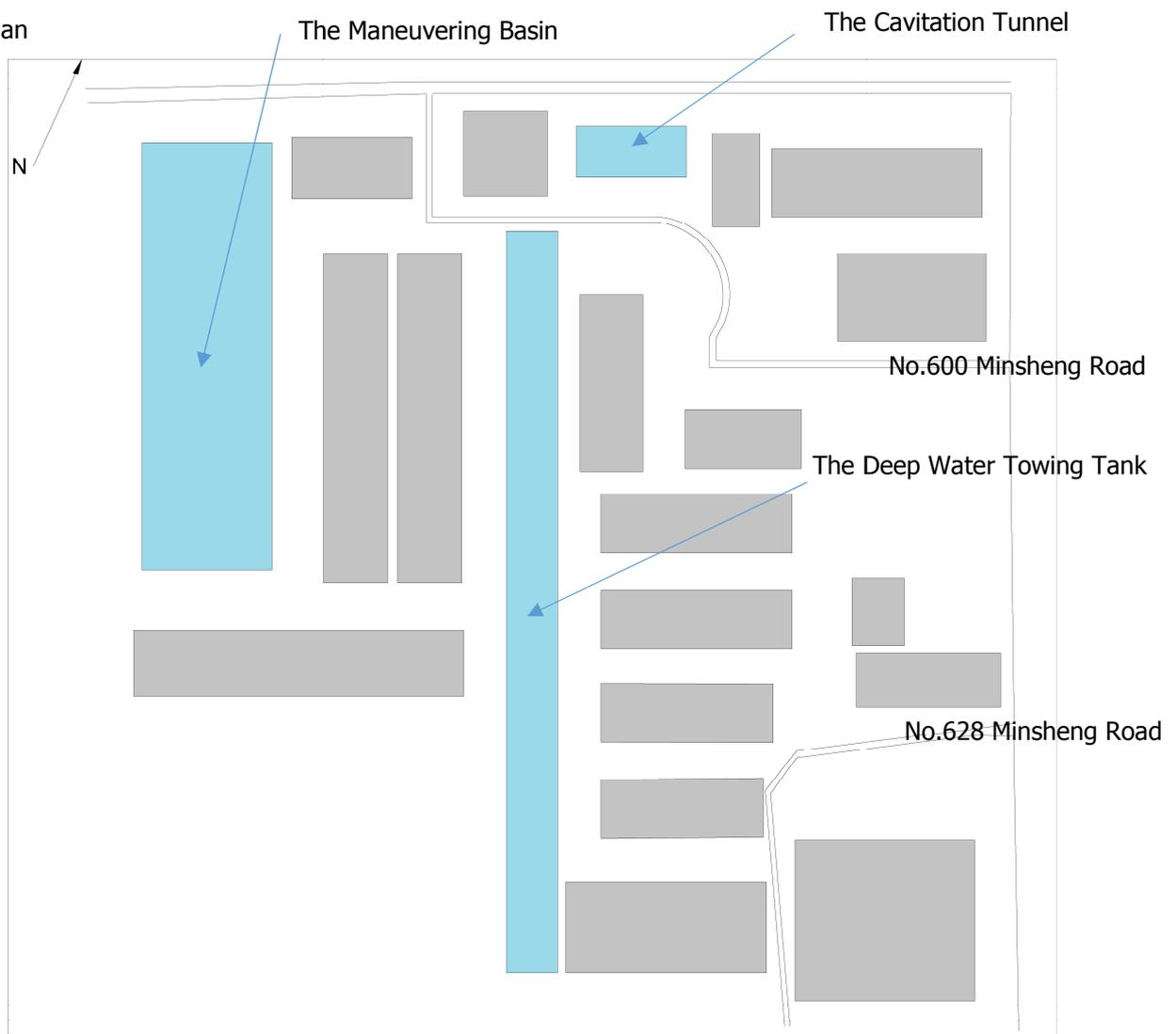


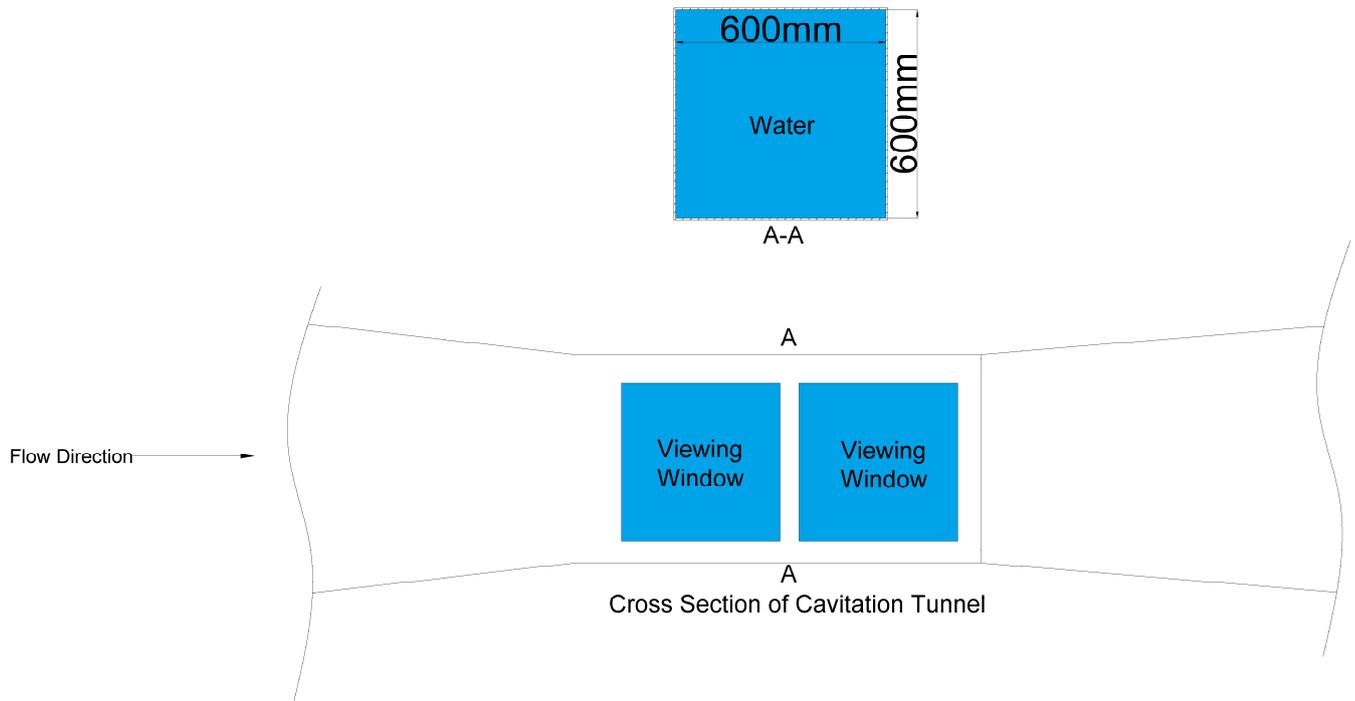
Name of organization Shanghai Ship and Shipping Research Institute		Year of information updating 2017
Year established SSSRI was founded in 1962		Year of joining the ITTC 1983
Address No.600 Minsheng Road, Pudong, Shanghai, China, 200135		Status in the ITTC Member of ITTC, AC member of ITTC
Contact details (phone, fax, e-mail) Phone: +8621-58856638 ext. 2514 Fax: +8621-58212824 e-mail: dongguoxiang@sssri.com		Website http://www.sssri.com/
Type of facility Cavitation Tunnel	Year constructed/updated Early 1980s	
Name of facility Cavitation Tunnel	Location (if different from the above address)	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) The Cavitation Tunnel has two sections with 0.6m*0.6m and 0.7m*1.45m cross section.		

Drawings of facility

Top-view plan



Cross-section-view plan



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

The Cavitation Tunnel has a minimum cavitation number 0.2, and the pressure can be adjusted from 0 to 2 Atm. The uncertainty of flow speed is less than 1%, the background noise is 75dB.

Applications(Tests performed)

Propeller model cavitation observation tests, energy saving device tests, noise measurement and fluctuate pressure tests are conducted in the Cavitation Tunnel. This facility is also capable of simulating wake field.

Published description (Publications on this facility)