

SHIP DESIGN IN PRACTICE - VENTS

NOT ACCEPTABLE SOLUTIONS



It is not good idea to arrange a lot of freestanding vents on the forecastle deck (left). Sooner or later waves destroy them causing flooding of fore compartments. Such ventilator (right) from the Engine Room, placed just near ship's side can be dangerous.



Example of bad solution: vent of the under deck passage located just near ship's side, rectangular opening in the main deck, poor welding inside. This vent was rejected and air trunk was built on the hatch coaming near. It would be interesting to know how the opening in the deck was repaired.

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Vents look well protected by the wave breaker, but it will be much better to economise space and build vents integrated in the wave breaker structure.



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Built-in vent trunks with wall type hinged covers placed at height convenient for operation are to be arranged.

ACCEPTABLE SOLUTIONS



As far as possible vent trunks should be built inside in order to keep deck free.